

**ANEXO II**  
**CENTRO DE CIÊNCIAS**  
**PRODUÇÃO CIENTÍFICA EM PERIÓDICOS**

**QUALIS A1**

DE ARAUJO, D.B ; ALMEIDA, R.Q ; GADELHA, A.C ; REZENDE, N.P ; SALOMAO, F.C.C.S ; SILVA, F.W.N ; CAMPOS, L.C; BARROS, E.B., Controlling the electronic bands of a 2D semiconductor by force microscopy. 2D MATERIALS. V.7 , e045029, 2020. A1

MONTEIRO, JOSE MARIA; BRAYNER, Angelo ; ARAUJO, A. H. M.. Main Memory Database Recovery: a Survey. ACM COMPUTING SURVEYS. 2020.  
Qualis: A1

AGRESSOTT, E. V. H. ; BLÄTTE, D. ; CUNHA, F. A. ; NORONHA, V. T. ; CIESIELSKI, R. ; HARTSCHUH, A. ; PAULA, A. J. ; FECHINE, P. B. A. ; SOUZA FILHO, A. G.; PASCHOAL, A. R. Vibrational Spectroscopy and Morphological Studies on Protein-Capped Biosynthesized Silver Nanoparticles. ACS Omega, v. 5, p. 386-393, 2020. A1

ANDRADE, J. A. A.. Exact Posterior Computation for the Binomial-Kumaraswamy model. ADVANCES IN COMPUTATIONAL MATHEMATICS, v. 46, p. 1-14, 2020.A1

LEITÃO, R.; PIMENTEL, E. A. ; SANTOS, M. S. Geometric regularity for elliptic equations in double-divergence form. ANALYSIS & PDE. v. 13, p. 1129-1144, 2020. A1

CAMPÊLO, M.; FIGUEIREDO, T.; SILVA, A. The sociotechnical teams formation problem: a mathematical optimization approach. ANNALS OF OPERATIONS RESEARCH, v. 286, p. 201-216, 2020.A1

DE ANDRADE, R. C.; SARAIVA, R. D. MTZ-primal-dual model, cutting-plane, and combinatorial branch-and-bound for shortest paths avoiding negative cycles. ANNALS OF OPERATIONS RESEARCH, v. 286, p. 147-172, 2020. A1

ROCHA, C. A. ; LIMA, J. L. R. ; MENDONÇA, K. V. ; MARQUES, E. V. ; ZANELLA, M. E. ; RIBEIRO, J. P. ; BERTONCINI, B. V. ; BRANCO, V. T.F. C. ; CAVALCANTE, R. M. Health impact assessment of air pollution in the metropolitan region of Fortaleza, Ceará, Brazil. ATMOSPHERIC ENVIRONMENT, v. 155, p. 117751, 2020.A1

RÊGO, L. C.; SILVA, H. V. ; RODRIGUES, C. D. . Optimizing the cost of preference manipulation in the graph model for conflict resolution. APPLIED MATHEMATICS AND COMPUTATION, v. 392, p. 125729, 2020.A1

SILVA FILHO, C. J. A. ; FREITAS, P. G. C. ; OLIVEIRA, F. C. E. ; BARBOSA, F. G. ; OLIVEIRA, M. C. F. ; ELOY, J. O. ; PESSOA, C. ; Mafezoli, J. Nanoencapsulation of triterpene 3 $\beta$ ,6 $\beta$ ,16 $\beta$ -trihydroxylup-20(29)-ene from *Combretum leprosum* as strategy to improve its cytotoxicity against cancer cell lines. *BIOORGANIC & MEDICINAL CHEMISTRY LETTERS*, v. 30, p. 127469, 2020. A1

RECHENCHOSKI, D. Z. ; AGOSTINHO, K. F. ; FACCIN-GALHARDI, L. C. ; LONNI, A. A. S. G. ; DA SILVA, J. V. H. ; DE ANDRADE, F. G. ; CUNHA, A. P. ; RICARDO, N. M. P. S. ; Nozawa, C.s ; Linhares, R. E. C. Mangiferin: A promising natural xanthone from *Mangifera indica* for the control of acyclovir - resistant herpes simplex virus 1 infection. *BIOORGANIC & MEDICINAL CHEMISTRY*, v. 28, p. 115304, 2020. A1

MACHADO, E. G. ; PEREIRA, A. Q. Periferias urbanas, redes locais e movimentos sociais em Fortaleza, Ceará. *Boletim Goiano de Geografia*, v. 40, p. 1-27, 2020. A1

CAVALCANTE, T. V.; DANTAS, E. W. C. Geografia do litoral em Praias e Várzeas de Gustavo Barroso. *Boletim Goiano de Geografia*, v. 40, p. 1-26, 2020. A1

BRAGA, J. E. M. ; LEITÃO, R. A. ; OLIVEIRA, J. E. L. Free boundary theory for singular/degenerate nonlinear equations with right hand side: a non-variational approach. *CALCULUS OF VARIATIONS AND PARTIAL DIFFERENTIAL EQUATIONS*. v. 59, p. 1-29, 2020. A1

MONTEZUMA, R. A mountain pass theorem for minimal hypersurfaces with fixed boundary. *CALCULUS OF VARIATIONS AND PARTIAL DIFFERENTIAL EQUATIONS*. v. 59, p. 188, 2020. A1

ARARUNA, F. B. ; DE OLIVEIRA, T. M. ; QUELEMES, P. V. ; DE ARAÚJO NOBRE, A. R. ; PLÁCIDO, A. ; VASCONCELOS, A. G. ; de Paula, R. C. M. ; MAFUD, A. C. ; DE ALMEIDA, M. P. ; DELERUE-MATOS, C. ; MASCARENHAS, Y. P. ; EATON, P. ; DE SOUZA DE ALMEIDA LEITE, J. R. ; DA SILVA, D. A. Antibacterial application of natural and carboxymethylated cashew gum-based silver nanoparticles produced by microwave-assisted synthesis. *CARBOHYDRATE POLYMERS*, v. 241, p. 115260, 2020. A1

PEREIRA, A. L. S. ; FEITOSA, J. P. A. ; MORAIS, J. P. S. ; ROSA, M. F. Bacterial cellulose aerogels: Influence of oxidation and silanization on mechanical and absorption properties. *CARBOHYDRATE POLYMERS*, v. 249, p. 116927, 2020. A1

URTIGA, S. C. C. ; ALVES, V. M. O.; MELO, C. O. ; LIMA, M. N. ; SOUZA, E. ; CUNHA, A. P. ; Ricardo, N. M. P. S. ; Oliveira, E. E. ; EGITO, E. S. T. Xylan microparticles for controlled release of mesalamine: Production and physicochemical characterization. *CARBOHYDRATE POLYMERS*, v. 250, p. 116929, 2020. A1

LOVERA, M. ; DE CASTRO, G. M. C. ; DA ROCHA PIRES, N. ; DO SOCORRO ROCHA BASTOS, M. ; HOLANDA ARAÚJO, M. L.; LAURENTIN, A. ; DE AZEVEDO MOREIRA, R. ; DE OLIVEIRA, H. D. Pyrodextrinization of yam (*Dioscorea* sp.) starch isolated from tubers grown in Brazil and physicochemical characterization of yellow pyrodextrins. CARBOHYDRATE POLYMERS, v. 9999, p. 116382-9999, 2020.A1

VIEIRA, L. H. S. ; SGANZERLA SABINO, C. M. ; SOARES JÚNIOR, FRANCISCO HOLANDA ; ROCHA, J. S. ; CASTRO, M. O. ; ALENCAR, R. S.; SOUZA DA COSTA, L.; VIANA, B. C. ; JARDIM DE PAULA, AMAURI ; SOARES, J. M.; GOMES SOUZA FILHO, A. ; OTUBO, L.; FECHINE, P. B. A.; GHOSH, A. ; FERREIRA, O. P. Strategic design of magnetic carbonaceous nanocomposites and its application as multifunctional adsorbent. CARBON, v. 161, p. 758-771, 2020. A1

DE VASCONCELOS, F. M. ; Souza Filho, A. G.; Meunier, V. ; GIRÃO, E. C. Electronic and structural properties of tetragraphenes. CARBON, v. 167, p. 403-413, 2020. A1

COSTA, JOSÉ DE RIBAMAR M. ; SANTOS, REGINA C.R. ; COUTINHO, LUCAS P. ; SILVA, ODERLANDO R. ; BARROS, HELENILSON O. ; FREIRE, VALDER N. ; VALENTINI, A. . CO<sub>2</sub> role on the glycerol conversion over catalyst containing CaO-SiO<sub>2</sub> doped with Ag and Pt. CATALYSIS TODAY, v. 344, p. 199-211, 2020. A1

NETO, ANTONIO B.S. ; OLIVEIRA, ALCINEIA C. ; RODRIGUEZ-CASTELLÓN, ENRIQUE ; CAMPOS, ADRIANA F. ; FREIRE, PAULO T.C. ; SOUSA, FRANCISCO F.F. ; FILHO, JOSUÉ M.; ARAUJO, JESUINA C.S. ; LANG, ROSSANO . A comparative study on porous solid acid oxides as catalysts in the esterification of glycerol with acetic acid. CATALYSIS TODAY, v. 349, p. 57-67, 2020. A1

ARAÚJO, J. C.S. ; PINHEIRO, A. L.G. ; OLIVEIRA, A.C. ; CRUZ, M. G.A. ; BUENO, J. M.C. ; ARAUJO, R. S. ; LANG, R. . Catalytic assessment of nanostructured Pt/xLa<sub>2</sub>O<sub>3</sub>-Al<sub>2</sub>O<sub>3</sub> oxides for hydrogen production by dry reforming of methane: Effects of the lanthana content on the catalytic activity. CATALYSIS TODAY, v. 349, p. 141-149, 2020.A1

ARAUJO, F. P. ; HONORIO, L. M. C. ; LIMA, I. S. ; TRIGUEIRO, P. ; ALMEIDA, L. C. ; FECHINE, P. B. A. ; SANTOS, F. E. P. ; PEÑA-GARCIA, R. ; SILVA-FILHO, E. C. ; OSAJIMA, J. A. New composite TiO<sub>2</sub>/natural gums for high efficiency in photodiscoloration process. CERAMICS INTERNATIONAL, v. 46, p. 15534-15543, 2020. A1

SANTOS,F.M.; ALVARENGA, M.E.; VALDO, A.K.S.M.; RABELO, R.; GOMES, D.C.C.; DE FÁTIMA, A.; LARA, T.V.C. DA SILVA, C.M.; TASSO,T.T.; ARAUJO NETO, J.H.; BATISTA, A.A.; AYALA, A.P.; JAVIER ALCIDES ELLENA, J.A.; GUIMARÃES,V.F.; OLIVEIRA, C.M.A.; DA SILVA, L.C.; VAZ, B.G.; MARTINS, F.T. A GIANT Hybrid Organic-Inorganic Octahedron from a Narrow Rim Carboxylate

Calixarene. CHEMICAL COMMUNICATIONS (LONDON. 1996. PRINT) - VOL. 56, P15024-15027. A1

MOURA, C. L. ; GALLO, J.; GARCÍA'HEVIA, L. ; PESSOA, O. D. L. ; RICARDO, N. M. P. S. ; BAÑOBRE'LÓPEZ, M. Magnetic Hybrid Wax Nanocomposites as Externally Controlled Theranostic Vehicles: High MRI Enhancement and Synergistic Magnetically Assisted Thermo/Chemo Therapy. CHEMISTRY-A EUROPEAN JOURNAL, v. 26, p. 4531-4538, 2020. A1

BATISTA, R. ; RANIERI, M. ; RIBEIRO Jr., E. Remarks on complete noncompact Einstein warped products. COMMUNICATIONS IN ANALYSIS AND GEOMETRY. v. 28, p. 547-563, 2020. A1

QUEIROZ NETO, J. F. ; SANTOS, E. M. ; VIDAL, C. A. ; EBERT, D. S. A Visual Analytics Approach to Facilitate Crime Hotspot Analysis. COMPUTER GRAPHICS FORUM, v. 39, p. 139-151, 2020. A1

PRATA, B. A. ; RODRIGUES, C. D. ; FRAMINAN, J. M. . Customer order scheduling problem to minimize makespan with sequence-dependent setup times. COMPUTERS & INDUSTRIAL ENGINEERING, v. 1, p. 106962, 2020. A1

ABREU, L. R. ; CUNHA, J. O. ; PRATA, B. A. ; FRAMINAN, J. M. A genetic algorithm for scheduling open shops with sequence-dependent setup times. COMPUTERS & OPERATIONS RESEARCH, v. 113, p. 104793, 2020. A1

Sousa, E. H. S.; CAREPO, M. S. P. ; MOURA, J. J. G. Nitrate-nitrite fate and oxygen sensing in dormant Mycobacterium tuberculosis: A bioinorganic approach highlighting the importance of transition metals. COORDINATION CHEMISTRY REVIEWS, v. 423, p. 213476, 2020. A1

DE FRANÇA LOPES, LUIZ GONZAGA FRANÇA; CARVALHO, EDINILTON MUNIZ; SILVA SOUSA, EDUARDO HENRIQUE A bioinorganic chemistry perspective on the roles of metals as drug and targets against Mycobacterium tuberculosis - a journey of opportunities. DALTON TRANSACTIONS, v.49, p.15988 - 16003, 2020. A1

DA SILVA, JULIANA PAULA; FUGANTI, OTÁVIO; KRAMER, MARIA GABRIELA; FACCHIN, GIANELLA; NASCIMENTO, LUCAS EMANOEL AQUINO; ELLENA, Javier; BACK, DAVI FERNANDO; GONDIM, ANA CLÁUDIA SILVA; SILVA SOUSA, EDUARDO HENRIQUE; DE FRANÇA LOPES, LUIZ GONZAGA FRANÇA; MACHADO, SILVANE; DIMBARRE LAO GUIMARÃES, IVELISE; WOHNATH, KAREN; PERES DE ARAUJO, MARCIO PERES Electrochemical, mechanistic, and DFT studies of amines derived diphosphines containing Ru(II)-cymene complexes with potent in vitro cytotoxic activity against HeLa and the triple-negative breast cancer cells MDA-MB-231. DALTON TRANSACTIONS, v.49, p.16498 - 16514, 2020. A1

DUNKL, ISTVÁN VON EYNATTEN, HILMAR ANDÒ, SERGIO LÜNSDORF, KENO MORTON, ANDREW ALEXANDER, BRUCE ARADI, LÁSZLÓ AUGUSTSSON, CARITA BAHLBURG, HEINRICH BARBARANO, MARTA BENEDICTUS, AUKJE BERNDT, JASPER BITZ, IRENE BOEKHOUT, FLORA BREITFELD, TIM CASCALHO, JOÃO COSTA, PEDRO J.M. EKWENYE, OGECHI FEHÉR, KRISTÓF FLORES-AQUEVEQUE, VALENTINA FÜHRING, PHILIPP GIANNINI, PAULO GOETZ, WALTER GUEDES, CARLOS GYURICA, GYÖRGY , *et al.* ; Comparability of heavy mineral data - The first interlaboratory round robin test. EARTH-SCIENCE REVIEWS, v. 211, p. 103210, 2020. A1

BEZERRA, F. G. S. ; AGUIAR, A. P. D. ; ALVALÁ, R. C. S. ; GIAROLLA, A. ; BEZERRA, K. R. A. ; LIMA, P. V. P. S. ; DO NASCIMENTO, F. R. ; ARAI, E. Analysis of areas undergoing desertification, using EVI2 multi-temporal data based on MODIS imagery as indicator. ECOLOGICAL INDICATORS, v. 117, p. 106579, 2020.A1

DE SOUSA LOPES, L. ; DE CARVALHO, H. H. ; DE SOUZA MIRANDA, R. ; GALLÃO, M. I. ; GOMES-FILHO, E. The influence of dissolved oxygen around rice roots on salt tolerance during pre-tillering and tillering phases. ENVIRONMENTAL AND EXPERIMENTAL BOTANY, v. 178, p. 104169-12, 2020.A1

GAGO, J. ; DALOSO, D. M. ; CARRIQUÍ, M. ; NADAL, M. ; MORALES, M. ; ARAÚJO, W. L. ; NUNES-NESE, A. ; PERERA-CASTRO, A. V. ; CLEMENTE-MORENO, M. J. ; FLEXAS, J. The photosynthesis game is in the 'inter-play': Mechanisms underlying CO<sub>2</sub> diffusion in leaves. ENVIRONMENTAL AND EXPERIMENTAL BOTANY, v. 178, p. 104174-x, 2020.A1

MELO JUNIOR, L. ; NARDINI, F. M. ; RENSO, C. ; TRANI, R. ; Macedo, J. A. F. A novel approach to define the local region of dynamic selection techniques in imbalanced credit scoring problems. EXPERT SYSTEMS WITH APPLICATIONS, v. 152, p. 113351, 2020.A1

CAMPOS, L. C. ; CARIOCA, L. C. ; DE SOUSA FIDELES, L. ; DE MIRANDA, J. A. L. ; BARBOSA, M. L. L. ; Ricardo, N. M. P. S. ; RIBEIRO, M. E. N. P. ; CERQUEIRA, G. S. Rutin flavonoid attenuates oxidative stress and decreases morphological changes in experimental mucositis model. FASEB JOURNAL, v. 34, p. 1-1, 2020. A1

SILVA, M. Z. R. ; OLIVEIRA, J. P. B. ; Ramos, M. V. ; FARIAS, D. F. ; DE SÁ, C. A. ; RIBEIRO, J. A. C. ; SILVA, A. F. B. ; DE SOUSA, J. S. ; ZAMBELLI, R. A. ; DA SILVA, A. C. ; FURTADO, G. P. ; Grangeiro, T B. ; VASCONCELOS, M. S. ; SILVEIRA, S. R. ; FREITAS, CLEVERSON D. T. Biotechnological potential of a cysteine protease (CpCP3) from *Calotropis procera* latex for cheesemaking. FOOD CHEMISTRY, v. 307, p. 125574-x, 2020.A1

LIMA DE MEDEIROS, J. ; SILVA DE ALMEIDA, T. ; JOAQUIM LOPES NETO, J. ; CARLOS PEREIRA ALMEIDA FILHO, L. ; RICELI VASCONCELOS RIBEIRO, P. ; SOUSA BRITO, E. ; ANTONIO MORGANO, M. ; GOMES DA SILVA, M. ; FELIPE FARIAS, D. ; FONTENELE URANO CARVALHO, A. Chemical composition, nutritional properties, and antioxidant activity of *Licania tomentosa* (Benth.) fruit. *FOOD CHEMISTRY*, v. 313, p. 126117, 2020.A1

CUNHA, A. G. ; ALVES FILHO, E. G. ; SILVA, L. M. A. ; RIBEIRO, P. R. V. ; RODRIGUES, T. H. S. ; BRITO, E. S.; MIRANDA, M. R. A. Chemical composition of thermally processed coconut water evaluated by GC-MS, UPLC-HRMS, and NMR. *FOOD CHEMISTRY*, v. 324, p. 126874, 2020.A1

DO VALE, D. A. ; VIEIRA, C. B. ; DE OLIVERIA, J. M. ; VITAL, M. F. ; DE ALCÂNTARA, L. O.; DA SILVA, A. I. M. ; DE LIMA SILVA, J. M. ; ANDRADE, F. K. ; SOUSA, J. R.; MOREIRA SOUZA FILHO, M. S. ; da Silva, A. L. C. ; DE SOUZA, B. W. S. Determining the wetting capacity of the chitosan coatings from *Ucides cordatus* and evaluating the shelf-life quality of *Scomberomorus brasiliensis* fillets. *FOOD CONTROL*, v. 2, p. 107329, 2020.A1

NASCIMENTO, T.C.E.S. ; MOLINO, J.V.D. ; SANTOS-DONADO, P.R. ; MONTALVO, G. S.A. ; SANTOS, W.L. ; GOMES, J.E.G. ; SANTOS, J.H.P.M. ; DA SILVA, R. ; SETTE, L.D.; PESSOA JUNIOR, A. ; MOREIRA, K.A. . Antarctic fungus proteases generate bioactive peptides from caseinate. *FOOD RESEARCH INTERNATIONAL*, v. 00, p. 109944, 2020. A1

RABELO, J. ; MAIA, R. P. ; BEZERRA, F. H. R. ; SILVA, C. C. N. Karstification and fluid flow in carbonate units controlled by propagation and linkage of mesoscale fractures, Jandaíra Formation, Brazil. *GEOMORPHOLOGY*, v. 357, p. 1-17, 2020.A1

ALBUQUERQUE, ANDRÉ CARDOSO ; RODRIGUES-FILHO, CARLOS ALBERTO DE SOUSA ; MATIAS, LÍGIA QUEIROZ . Influence of climatic variables on CSR strategies of aquatic plants in a semiarid region. *HYDROBIOLOGIA*, v. 847, p. 61-74, 2020.A1

DE FIGUEIREDO, R. P. ; FERREIRA FILHO, J. B. ; SOUSA, F. R. C. ; WEBER, P. ; LITCHFIELD, I. Automated Verification of Care Pathways Using Constraint Programming. *IEEE Journal of Biomedical and Health Informatics*, v. 1, p. 1-1, 2020.A1

LIMA, F. ; PEREIRA, L. ; CHAVES, I. ; MACHADO, J.; GOMES, J. Predicting the Health Degree of Hard Disk Drives with Asymmetric and Ordinal Deep Neural Models. *IEEE TRANSACTIONS ON COMPUTERS*, v. 69, p. 1-1, 2020.A1

REGO, L. C.; VIEIRA, G. I. A. Interactive Unawareness in the Graph Model for Conflict Resolution. *IEEE Transactions on Systems Man Cybernetics-Systems*, v. 50, p. 829-839, 2020. A1

RÊGO, L. C.; VIEIRA, G. I. A. A Note on Policy Equilibrium and Generalized Metarationalities for Multiple Decision-Maker Conflicts. IEEE Transactions on Systems Man Cybernetics-Systems, v. 50, p. 3757-3759, 2020. A1

RÊGO, L. C.; VIEIRA, G. I. A. Maximin\_h Stability in the Graph Model for Conflict Resolution for Bilateral Conflicts. IEEE Transactions on Systems Man Cybernetics-Systems, v. 50, p. 3760-3769, 2020. A1

PEIXOTO, S. A. ; VASCONCELOS, F. F. X. ; GUIMARÃES, M. T. ; MEDEIROS, A. G. ; REGO, P. A. L. ; LIRA NETO, A. V. ; DE ALBUQUERQUE, V. H. C. ; REBOUÇAS FILHO, P. P. A high-efficiency energy and storage approach for IoT applications of facial recognition. IMAGE AND VISION COMPUTING, v. 1, p. 103899, 2020.A1

MARQUES, F. P. ; SILVA, L. M. A. ; Lomonaco, D. ; ROSA, M. F. ; LEITÃO, R. C. Steam explosion pretreatment to obtain eco-friendly building blocks from oil palm mesocarp fiber. INDUSTRIAL CROPS AND PRODUCTS, v. 143, p. 111907, 2020.A1

SOUZA, D. P. ; PIMENTEL, R. B. Q. ; SANTOS, A. S. ; ALBUQUERQUE, P. M. ; FERNANDES, A. V. ; JUNIOR, S. D. ; OLIVEIRA, J. T. A. ; Ramos, Marcio V. ; RATHINASABAPATHI, B. ; GONÇALVES, J. F. C. Fungicidal properties and insights on the mechanisms of the action of volatile oils from Amazonian Aniba trees. INDUSTRIAL CROPS AND PRODUCTS, v. 143, p. 111914, 2020.A1

DA FOSECA, A. L. ; SANTOS, J. C. S. ; SOUZA, M. C. M. ; OLIVEIRA, M. M. ; COLARES, R. P. ; DE LEMOS, T. L. G. ; BRAZ FILHO, R. The use of new hydrogel microcapsules in coconut juice as biocatalyst system for the reaction of quinine. INDUSTRIAL CROPS AND PRODUCTS, v. 145, p. 111890, 2020.A1

RIOS, I. C. ; CORDEIRO, J. P. ; ARRUDA, T. B. M. G. ; RODRIGUES, F. E. A. ; UCHOA, A. F. J. ; LUNA, F. M. T. ; CAVALCANTE, C. L. ; Ricardo, N. M. P. S. Chemical modification of castor oil fatty acids (*Ricinus communis*) for biolubricant applications: An alternative for Brazil's green market. INDUSTRIAL CROPS AND PRODUCTS, v. 145, p. 112000, 2020.A1

BEZERRA, R. C. F. ; RODRIGUES, F. E. A. ; ARRUDA, T. B. M. G. ; MOREIRA, F. B. F. ; CHAVES, P. O. B. ; ASSUNÇÃO, J. C. C. ; RICARDO, N. M. P. S. Babassu-oil-based biolubricant: Chemical characterization and physicochemical behavior as additive to naphthenic lubricant NH-10. INDUSTRIAL CROPS AND PRODUCTS, v. 154, p. 112624, 2020.A1

MOREIRA, D. R. ; CHAVES, P. O. B. S ; FERREIRA, E. N. ; ARRUDA, T. E. B. M. G. ; RODRIGUES, F. E. A. ; NETO, J. F. C. ; PETZOLD, C. L. ; MAIER, M. E. ; RICARDO, N. M. P. S. Moringa polyesters as eco-friendly lubricants and its blends with naphthalenic lubricant. INDUSTRIAL CROPS AND PRODUCTS, v. 158, p. 112937, 2020.A1

NUNES, E. D. ; VILLELA, A. D.; Basso, L. A. ; TEIXEIRA, E. H. ; ANDRADE, A. L. ; VASCONCELOS, M. A. ; DO NASCIMENTO NETO, L. G. ; GONDIM, A. C. S. ; DIÓGENES, I. C. N. ; ROMO, A. I. B. ; NASCIMENTO, O. R. ; ZAMPIERI, D. ; PAULO, T. F. ; DE CARVALHO, I. M. M. ; DE FRANÇA LOPES, L. G. ; SOUSA, E. H. S. Light-induced disruption of an acyl hydrazone link as a novel strategy for drug release and activation: isoniazid as a proof-of-concept case. *Inorganic Chemistry Frontiers*, v. 7, p. 859-870, 2020. A1

DE OLIVEIRA, D. R. ; AVELINO, F. ; MAZZETTO, S. E. ; Lomonaco, D. Microwave-assisted selective acetylation of Kraft lignin: Acetic acid as a sustainable reactant for lignin valorization. *INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES*, v. 1, p. 1, 2020. A1

SALES, T. M. A. L. ; Nicolau, L. A. D. ; RODRIGUES, R. L. M. ; NASCIMENTO, R. R.; PAULA, S. M. ; DA COSTA-FILHO, H. B. ; BEZERRA, F. F. ; SANTOS, G. R. C. ; Barros, F. C. N. ; ALENCAR, P. O. C. ; FREITAS, A. L. P. ; NOBRE-SOUZA, M. A. ; SANTOS, A. A. ; SIFRIM, D. ; SOARES, P. M. G. ; Silva, R. O. ; SOUZA, M. H. L. P. Polysaccharide from *Gracilaria caudata* protects the human esophageal mucosal barrier: A differential topical effect and structural dependence. *INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES*, v. 1, p. 1-2, 2020.A1

DA SILVA NETO, J. X. ; DA COSTA, H. P. S. ; VASCONCELOS, I. M.; PEREIRA, M. L. ; OLIVEIRA, J. T. A. ; LOPES, T. D. P. ; DIAS, L. P. ; ARAÚJO, N. M. S. ; MOURA, L. F. W. G. ; VAN TILBURG, M. F. ; GUEDES, M. I. F. ; LOPES, L. A. ; MORAIS, E. G. ; DE OLIVEIRA BEZERRA DE SOUSA, D. Role of membrane sterol and redox system in the anti-candida activity reported for Mo-CBP2, a protein from *Moringa oleifera* seeds. *INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES*, v. 143, p. 814-824, 2020.A1

DE ARAÚJO, J. S. F. ; DE SOUZA, E. L. ; OLIVEIRA, J. R. ; GOMES, A. C. A. ; KOTZEBUE, L. R. V. ; DA SILVA AGOSTINI, D. L. ; DE OLIVEIRA, D. L. V. ; MAZZETTO, S. E. ; DA SILVA, A. L.; CAVALCANTI, M. T. Microencapsulation of sweet orange essential oil (*Citrus aurantium* var. *dulcis*) by liophylization using maltodextrin and maltodextrin/gelatin mixtures: Preparation, characterization, antimicrobial and antioxidant activities. *INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES*, v. 143, p. 991-999, 2020. A1

NASCIMENTO, K. S.; SILVA, M. T. L. ; OLIVEIRA, M. V. ; LOSSIO, C. F. ; PINTO-JUNIOR, V. R. ; OSTERNE, V. J. S. ; Cavada, B. S. Dalbergieae lectins: A review of lectins from species of a primitive Papilionoideae (leguminous) tribe. *INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES*, v. 144, p. 509-526, 2020.A1

CAVADA, B. S.; BARI, A. U. ; PINTO-JUNIOR, V. R. ; LOSSIO, C. F. ; SILVA, M. T. L.; SOUZA, L. A. G. ; OLIVEIRA, M. V.; SOUZA-FILHO, C. H. D. ; CORREIA, S. E. G.; VITAL, A. P. M. S.; LIMA, L. D.; OSTERNE, V. J. S.; Nascimento, K. S.



Purification and partial characterization of a new lectin from *Parkia panurensis* Benth. ex H.C. Hopkins seeds (Leguminosae family; Mimosoideae subfamily) and evaluation of its biological effects. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 145, p. 845-855, 2020.A1

SANTOS, V. F. ; ARAÚJO, A. C. J. ; SILVA, A. L. F. ; ALMEIDA, D. V. ; FREITAS, P. R. ; SANTOS, A. L. E. ; Rocha, B. A. M. ; Garcia, W. ; LEME, A. M. ; BONDAN, E. ; BORGES, F. T. ; CUTRIM, B. S. ; SILVA, L. C. N. ; COUTINHO, H. D. M. ; TEIXEIRA, C. S. Dioclea violacea lectin modulates the gentamicin activity against multi-resistant strains and induces nephroprotection during antibiotic exposure. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 146, p. 841-852, 2020.A1

SOMBRA, F. M. ; RICHTER, A. R. ; DE ARAÚJO, A. R. ; DE OLIVEIRA SILVA RIBEIRO, F. ; SOUZA MENDES, J. F. ; DOS SANTOS FONTENELLE, R. O. ; DA SILVA, D. A. ; Paula, H. C. B. ; Feitosa, J. P. A. ; GOYCOOLEA, F. M. ; de Paula, R. C. M. Development of amphotericin B-loaded propionate Sterculia striata polysaccharide nanocarrier. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 146, p. 1133-1141, 2020. A1

LOPES, T. D. P. ; SOUZA, P. F. N ; DA COSTA, H. P. S.; PEREIRA, M. L. ; DA SILVA NETO, J. X. ; DE PAULA, P. C. ; BRILHANTE, R. S. N. ; OLIVEIRA, J. T. A. ; VASCONCELOS, I. M. ; SOUSA, D. O. B. Mo-CBP4, a purified chitin-binding protein from *Moringa oleifera* seeds, is a potent antidermatophytic protein: In vitro mechanisms of action, in vivo effect against infection, and clinical application as a hydrogel for skin infection. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 149, p. 432-442, 2020.A1

RIBEIRO N. A. ; CHAVES, H. V. ; RIVANOR, R. L. C. ; VAL, D. R. ; ASSIS, E. L. ; SILVEIRA, F. D. ; GOMES, F. I. F. ; FREITAS, H. C. ; VIEIRA, L. V. ; COSTA, D. V. S. ; BRITO, G. A. C. ; BEZERRA, M. M. ; BENEVIDES, N. M. B. Sulfated polysaccharide from the green marine algae *Caulerpa racemosa* reduces experimental pain in the rat temporomandibular. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 150, p. 253-260, 2020. A1

RICHTER, A. R. ; CARNEIRO, M. J. ; DE SOUSA, N. A. ; PINTO, V. P. T. ; FREIRE, R. S. ; DE SOUSA, J. S. ; MENDES, J. F. S. ; FONTENELLE, R. O. S. ; FEITOSA, J. P. A. ; PAULA, H. C. B. ; GOYCOOLEA, F. M. ; DE PAULA, R. C. M. Self-assembling cashew gum-graft-poly(lactide) copolymer nanoparticles as a potential amphotericin B delivery matrix. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 152, p. 492-502, 2020. A1

CAVADA, B. S.; OSTERNE, V. J. S.; OLIVEIRA, M. V. ; PINTO-JUNIOR, V. R. ; SILVA, M. T. L. ; BARI, A. U. ; LIMA, L. D. ; LOSSIO, C. F. ; Nascimento, K. S. Reviewing Mimosoideae lectins: A group of under explored legume lectins.

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 154, p. 159-165, 2020.

A1

SOUSA, ANTÔNIO J.S. ; SOUZA, PEDRO F.N. ; GIFONI, JULIANA M. ; DIAS, LUCAS P. ; FREITAS, CLEVERSON D.T. ; OLIVEIRA, JOSE T.A. ; SOUSA, DANIELE O.B. ; VASCONCELOS, ILKA M. . Scanning electron microscopy reveals deleterious effects of *Moringa oleifera* seed exuded proteins on root-knot nematode *Meloidogyne incognita* eggs. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 154, p. 1237-1244, 2020.

A1

NASCIMENTO, K. S. ; ANDRADE, M. L. L. ; SILVA, I. B. ; DOMINGUES, D. L. ; CHICAS, L. S. ; SILVA, M. T. L. ; BRINGEL, P. H. S. F. ; MARQUES, G. F. O. ; MARTINS, M. G. Q. ; LÓSSIO, C. F. ; NASCIMENTO, A. P. M. ; WOLIN, I. A. V. ; Leal, R. B. ; Assreuy, A. M. S. ; Cavada, B. S. Heterologous production of  $\alpha$ -chain of *Dioclea sclerocarpa* lectin: Enhancing the biological effects of a wild-type lectin. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 156, p. 1-9, 2020.A1

GOMES, R. F. ; LIMA, L. R. M. ; FEITOSA, J. P. A. ; PAULA, H. C. B. ; DE PAULA, R. C. M. Influence of galactomannan molar mass on particle size galactomannan-grafted-poly-N-isopropylacrylamide copolymers. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 156, p. 446-453, 2020. A1

DE OLIVEIRA SILVA RIBEIRO, F. ; DE FRANÇA DOURADO, F. ; SILVA, M. F. S.; BRITO, L. M. ; PESSOA, C. ; DE LIMA, L. R. M. ; de Paula, R. C. M. ; DE SOUZA DE ALMEIDA LEITE, J. R. ; DE ARAÚJO, A. R. ; DA SILVA, D. A. Anti-proliferative profile of *Anacardium occidentale* polysaccharide and characterization by AFM. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 156, p. 981-987, 2020. A1

CHAGAS, F. D. S. ; LIMA, G. C. ; DOS SANTOS, V. I. N. ; COSTA, L. E. C. ; DE SOUSA, W. M ; SOMBRA, V. G.; DE ARAÚJO, D. F. ; Barros, F. C. N.; MARINHO-SORIANO, E. ; DE ANDRADE FEITOSA, J. P. ; DE PAULA, R. C. MONTEIRO ; PEREIRA, M. G. ; FREITAS, A. L. P. Sulfated polysaccharide from the red algae *Gelidiella acerosa*: Anticoagulant, antiplatelet and antithrombotic effects. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 159, p. 415-421, 2020.A1

COSTA, L. E. C. ; BRITO, T. V. ; DAMASCENO, R. O. S. ; SOUSA, W. M. ; BARROS, F. C. N. ; SOMBRA, V. G. ; JÚNIOR, J. S. C. ; MAGALHÃES, D. A. ; SOUZA, M. H. L. P. ; MEDEIROS, J. V. R. ; DE PAULA, R. C. M. ; BARBOSA, A. L. R. ; FREITAS, A. L. P. Chemical structure, anti-inflammatory and antinociceptive activities of a sulfated polysaccharide from *Gracilaria intermedia* algae. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 159, p. 966-975, 2020.A1

OLIVEIRA, F. F. B. ; BINGANA, R. D. ; MORAIS, P. A. F. ; OLIVEIRA, S. R. B. D. ; BARBOSA, A. L. R. ; CHAVES, L. S.; ALENCAR, P. O. C. ; SOARES, P. M. G.; SOUZA, M. H. L. P. ; FREITAS, A. L. P. ; Barros, F. C. N. ; Medeiros, J. V. R. ; DAMASCENO, R. O. S. Sulfated polysaccharide from *Gracilaria caudata* reduces hypernociception and inflammatory response during arthritis in rodents. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 161, p. 1061-1069, 2020.A1

CAVADA, B. S.; PINTO-JUNIOR, V. R. ; OSTERNE, V. J. S. ; OLIVEIRA, M. V.; LOSSIO, C. F. ; SILVA, M. T. L. ; BARI, A. U. ; LIMA, L. D. ; SOUZA-FILHO, C. H. D. ; Nascimento, K. S. Comprehensive review on Caelsalpinioideae lectins: From purification to biological activities. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 162, p. 333-348, 2020.A1

DIAS, L. P. ; SANTOS, A. L. E. ; ARAÚJO, N. M.S. ; SILVA, R. R. S. ; SANTOS, M. H. C. ; ROMA, R. R. ; Rocha, B. A. M. ; OLIVEIRA, J. T. A. ; TEIXEIRA, C. S. *Machaerium acutifolium* lectin alters membrane structure and induces ROS production in *Candida parapsilosis*. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 163, p. 19-25, 2020.A1

PAULA, H. C. B. ; SILVA, R. B. C. ; SANTOS, C. M. ; DANTAS, F. D. S. ; DE PAULA, R. C. M. ; DE LIMA, L. R. M. ; DE OLIVEIRA, E. F. ; FIGUEIREDO, E. A. T. ; DIAS, F. G. B. Eco-friendly synthesis of an alkyl chitosan derivative. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 163, p. 1591-1598, 2020. A1

DOS SANTOS, S. B. F. ; PEREIRA, S. A. ; RODRIGUES, F. A. M. ; DA SILVA, A. C. C. ; DE ALMEIDA, R. R. ; SOUSA, A. C. C. ; FECHINE, L. M. U. D. ; DENARDIN, J. C. ; ARANEDA, F. ; SÁ, L. G. A. V. ; DA SILVA, C. R. ; NOBRE JÚNIOR, H. V. ; Ricardo, N. M. P. S. Antibacterial activity of fluoxetine-loaded starch nanocapsules. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 164, p. 2813-2817, 2020. A1

AZEVEDO, M. I. G. ; OLIVEIRA, S. T. ; SILVA, C. F. B. ; CARNEIRO, R. F. ; NAGANO, C. S. ; GADELHA, A. C. S. ; TORRES, D. C. ; MONTEIRO-JÚNIOR, J. E. ; GIRÃO, M. S. ; MUNIZ, C. R. ; FREITAS, C. D. T. ; Grangeiro, T. B. Secretory production in *Escherichia coli* of a GH46 chitosanase from *Chromobacterium violaceum*, suitable to generate antifungal chitooligosaccharides. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. x, p. x-x, 2020.A1

SOUZA, P. F. N. ; LOPES, F. E. S. ; AMARAL, J. L. ; FREITAS, C. D. T. ; OLIVEIRA, J. T. A. A molecular docking study revealed that synthetic peptides induced conformational changes in the structure of SARS-CoV-2 spike glycoprotein, disrupting the interaction with human ACE2 receptor. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. x, p. x-x, 2020.A1

P.E.A; BEZERRA, J.R.; NASCIMENTO, T.S.; TAVARES, J; LUSTOSA, I.R.; CHAVES FILHO, A.J.M.; MOTTIN, M; GASPAR, D.M.; ANDRADE, G.M.; NEVES, K.R.T.; BIAGINI, G; SILVEIRA, E.R.; VIANA, G.S.B. A Proline Derivative-Enriched Fraction from *Sideroxylon obtusifolium* Protects the Hippocampus from Intracerebroventricular Pilocarpine-Induced Injury Associated with *Status Epilepticus* in Mice de Aquino, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Volume: 21, e 4188, 2020. A1

DIAS, M. L. D. ; MAIA, Á. N. ; DA ROCHA NETO, A. R. ; GOMES, J. P. P. Parsimonious Minimal Learning Machine via Multiresponse Sparse Regression. International Journal of Neural Systems, v. 30, p. 2050023, 2020.A1

Miranda, M. R. A.; UCHOA, A. F. ; FERREIRA, S. R. ; VENTURY, K. E. ; COSTA, E. P. ; CARMO, P. R. L. ; MACHADO, O. L. ; FERNANDES, K. V. S. ; OLIVEIRA, A. E. A. Chemical Modifications of Vicilins Interfere with Chitin-Binding Affinity and Toxicity to *Callosobruchus maculatus* (Coleoptera: Chrysomelidae) Insect: A Combined In Vitro and In Silico Analysis. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, p. 5596-5605, 2020.A1

VASCONCELOS, J. M. ; CINTRA, R. J. S. ; NASCIMENTO, A. D. C. ; REGO, L. C. The compound truncated Poisson Cauchy model: A descriptor for multimodal data. JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, p. 112887, 2020.A1

SILVA, W. B. ; MARTINEZ, R. O.; SOUZA, F. C. ; RÊGO, L. C. ; PEREIRA, F. . Risk curves: a methodology to evaluate the risk of fraud by stock price manipulation based on game theory and detection software. JOURNAL OF ECONOMICS AND BUSINESS, p. 105953, 2020. A1

LOPES NETO, J.J. ; SILVA DE ALMEIDA, T. ; ALMEIDA FILHO, L. C. P. ; ROCHA, T. M. ; NOGARA, P. A. ; NOGARA, K. F. ; TEIXEIRA DA ROCHA, J. B. ; ALMEIDA MOREIRA LEAL, L. K. ; URANO CARVALHO, A. F. Triplaris gardneriana seeds extract exhibits in vitro anti-inflammatory properties in human neutrophils after oxidative treatment. JOURNAL OF ETHNOPHARMACOLOGY, v. 250, p. 112474, 2020.A1

GARCIA, F. A. C. ; MOURA, R. R. ; OGAWA, C. Y. ; ZANETTE, L. R. S. ; FEITOSA SILVA, J. R. ; Rezende, C. F. Never forget where you came from: Microhabitat of origin influences boldness and exploration in the hermit crab *Clibanarius symmetricus* (Diogenidae). JOURNAL OF EXPERIMENTAL MARINE BIOLOGY AND ECOLOGY, v. 527, p. 151365, 2020.A1

BRAGA, J. E. M. Free Boundary Theory for non-homogeneous fully nonlinear equations with unbounded ingredients and quadratic growth in the gradient. JOURNAL OF GEOMETRIC ANALYSIS. v. XX, p. 1-33, 2020. A1

SASAHARA, G. L. ; JÚNIOR, F. S. G. ; DE OLIVEIRA RODRIGUES, R. ; DE SOUZA ZAMPIERI, D. ; DA CRUZ FONSECA, S. G. ; DE CÁSSIA RIBEIRO GONÇALVES, R. ; ATHAYDES, B. R. ; KITAGAWA, R. R. ; SANTOS, F. A. ; DE SOUSA, E. H. S. ; NAGAO DIAS, A. T. ; DE FRANÇA LOPES, L. G. Nitroimidazole-based ruthenium complexes with antioxidant and anti-inflammatory activities. JOURNAL OF INORGANIC BIOCHEMISTRY, v. 1, p. 111048, 2020. A1

CARVALHO, E. M. ; RIDNOUR, L. A. ; JÚNIOR, F. S. G. ; CABRAL, P. H. B. ; DO NASCIMENTO, N. R. F. ; WINK, D. A. ; FRANCO, D. W. ; DE MEDEIROS, M. J. C. ; DE LIMA PONTES, D. ; Longhinotti, E. ; DE FREITAS PAULO, T. ; BERNARDES-GÉNISSON, V. ; CHAUVIN, R. ; SOUSA, E. H. S. ; LOPES, L. G. F. A divergent mode of activation of a nitrosyl iron complex with unusual antiangiogenic activity. JOURNAL OF INORGANIC BIOCHEMISTRY, v. 210, p. 111133, 2020.A1

LIMA, PATRÍCIA G. ; SOUZA, PEDRO F.N. ; FREITAS, CLEVERSON D.T. ; BEZERRA, LEANDRO P. ; NETO, NILTON A.S. ; SILVA, AYRLES F.B. ; OLIVEIRA, JOSE T.A. ; SOUSA, DANIELE O.B. . Synthetic peptides against Trichophyton mentagrophytes and T. rubrum: Mechanisms of action and efficiency compared to griseofulvin and itraconazole. LIFE SCIENCES, v. x, p. 118803-x, 2020A1

SOARES, M. O. ; TEIXEIRA, C. E. P. ; BEZERRA, L. E. A. ; PAIVA, S. V. ; TAVARES, T. C. L. ; GARCIA, T. M. ; DE ARAÚJO, J. T. ; CAMPOS, C. C. ; FERREIRA, S. M. C. ; MATTHEWS-CASCON, H. ; FROTA, A. ; MONTALVERNE, T. C. F. ; SILVA, S. T. ; RABELO, E. F. ; BARROSO, C. X. ; FREITAS, J. E. P. ; MELO JÚNIOR, M. ; CAMPELO, R. P. S. ; SANTANA, C. S. ; CARNEIRO, P. B. M. ; MEIRELLES, A. J. ; SANTOS, B. A. ; OLIVEIRA, A. H. B. ; HORTA, P. ; CAVALCANTE, R. M. Oil spill in South Atlantic (Brazil): Environmental and governmental disaster. MARINE POLICY, v. 115, p. 103879, 2020.A1

DANTAS, N. C. F. M. ; DUARTE, O. S. ; FERREIRA, W. C. ; AYALA, A. P. ; Rezende, C. F. ; FEITOSA, C. V. Plastic intake does not depend on fish eating habits: Identification of microplastics in the stomach contents of fish on an urban beach in Brazil. MARINE POLLUTION BULLETIN, v. 153, p. 110959, 2020.A1

MOURA, VICTOR LACERDA ; RABELO, JÚLIA NUNES ; BEZERRA, MOISÉS FERNANDES ; SILVA, GUELSON BATISTA DA ; FARIA, VICENTE VIEIRA ; REZENDE, CARLOS EDUARDO ; BASTOS, WANDERLEY RODRIGUES ; LACERDA, LUIZ DRUDE DE . Ecological and biological factors associated to mercury accumulation in batoids (Chondrichthyes: Batoidea) from northeastern Brazil. MARINE POLLUTION BULLETIN, v. 161, p. 111761, 2020. A1

BIRBRAIR, L. ; FERNANDES, A. ; SAMPAIO, J. E. ; VERBITSKY, M. Multiplicity of singularities is not a bi-Lipschitz invariant. MATHEMATISCHE ANNALEN. v. 377, p. 115-121, 2020. A1

FIDELES, L. S. ; DE MIRANDA, J. A. L. ; MARTINS, C. S. ; BARBOSA, M. L. L. ; PIMENTA, H. B. ; PIMENTEL, P. V. S. ; TEIXEIRA, C. S. ; SCAFURI, M. A. S. ; FACANHA, S. O. ; BARRETO, J. E. F. ; CARVALHO, P. M. M. ; SCAFURI, A. G. ; ARAÚJO, J. L.; ROCHA, J. A. ; VIEIRA, I. G. P. ; RICARDO, N. M. P. S ; CAMPELO, M. S. ; PINHO, M. E. N. ; DE CASTRO BRITO, G. A.; CERQUEIRA, G. S. Role of Rutin in 5-Fluorouracil-Induced Intestinal Mucositis: Prevention of Histological Damage and Reduction of Inflammation and Oxidative Stress. MOLECULES, v. 25, p. 1-23, 2020. A1

FIDELES, L. S. ; DE MIRANDA, J. A. L. ; MARTINS, C. S. ; BARBOSA, M. L. L. ; PIMENTA, H. B. ; PIMENTEL, P. V. S. ; TEIXEIRA, C. S. ; SCAFURI, M. A. S. ; FACANHA, S. O. ; BARRETO, J. E. F. ; CARVALHO, P. M. M. ; SCAFURI, A. G. ; ARAÚJO, J. L.; ROCHA, J. A. ; VIEIRA, I. G. P. ; RICARDO, N. M. P. S ; CAMPELO, M. S. ; PINHO, M. E. N. ; DE CASTRO BRITO, G. A.; CERQUEIRA, G. S. Role of Rutin in 5-Fluorouracil-Induced Intestinal Mucositis: Prevention of Histological Damage and Reduction of Inflammation and Oxidative Stress. MOLECULES, v. 25, p. 1-23, 2020. A1

SOUZA, P. F. N. ; LIMA, P. G. ; FREITAS, C. D. T. ; SOUSA, D. O. B. ; NETO, N. A. S. ; DIAS, L. P. ; Vasconcelos, I. M. ; FREITAS, L. B. N. ; SILVA, R. G. G. ; SOUSA, J. S. ; SILVA, A. F. B. ; OLIVEIRA, J. T. A. Antidermatophytic Activity of Synthetic Peptides: Action mechanisms and clinical application as adjuvants to enhance the activity and decrease the toxicity of Griseofulvin. MYCOSES, v. 63, p. 979-992, 2020. A1

MUELLER, N. S. ; OKAMURA, Y.; VIEIRA, B. G. M. ; JUERGENSEN, S. ; LANGE, H. ; Barros, E. B. ; SCHULZ, F. ; REICH, S. Deep strong light-matter coupling in plasmonic nanoparticle crystals. NATURE, v. 583, p. 780-784, 2020.A1

FENG, SHAOHONG STILLER, JOSEFIN DENG, YUAN ARMSTRONG, JOEL FANG, QI REEVE, ANDREW HART XIE, DUO CHEN, GUANGJI GUO, CHUNXUE FAIRCLOTH, BRANT C. PETERSEN, BENT WANG, ZONGJI ZHOU, QI DIEKHANS, MARK CHEN, WANJUN ANDREU-SÁNCHEZ, SERGIO MARGARYAN, ASHOT HOWARD, JASON TRAVIS PARENT, CAROLE PACHECO, GEORGE SINDING, MIKKEL-HOLGER S. PUETZ, LARA CAVILL, EMILY RIBEIRO, ÂNGELA M. ECKHART, LEOPOLD , [et al.](#) ; Dense sampling of bird diversity increases power of comparative genomics. NATURE, v. 587, p. 252-257, 2020A1

PAULA, A. J.; HWANG, G.; KOO, H. Dynamics of bacterial population growth in biofilms resemble spatial and structural aspects of urbanization. NATURE COMMUNICATIONS, v. 11, p. 1354, 2020. A1

FLORÊNCIO, J. A. V. ; OLIVEIRA, S. A. F. ; GOMES, J. P. P. ; Neto, A. R. R. A new perspective for Minimal Learning Machines: A lightweight approach. NEUROCOMPUTING, v. -, p. -, 2020.A1

SOUZA, BC ; CARVALHO, E. C. D. ; OLIVEIRA, R S ; ARAUJO, F.S. DE ; LIMA, A. L. A. ; RODAL, M. J. N.. Drought response strategies of deciduous and evergreen woody species in a seasonally dry neotropical forest. OECOLOGIA, v. 194, p. 221-236, 2020.A1

PIRES, R.'S. ; MOREIRA, A.'A. ; HERRMANN, H.'J. ; ANDRADE, J.'S. . Frustrated Bearings. PHYSICAL REVIEW LETTERS, v. 125, p. 104301, 2020. A1

SHARMA, K. ; COSTA, N. L. M. ; KIM, Y. A. ; Muramatsu, H. ; BARBOSA NETO, N. M. ; MARTINS, L. G. P. ; KONG, J. ; PASCHOAL, A. R. ; ARAUJO, P. T. Anharmonicity and Universal Response of Linear Carbon Chain Mechanical Properties under Hydrostatic Pressure. PHYSICAL REVIEW LETTERS, v. 125, p. 105501, 2020. A1

FONSECA PEREIRA, P. ; SOUZA, P. V. L. ; HOU, L. ; SCHWAB, S. ; GEIGENBERGER, P. ; NUNES NESI, A. ; TIMM, S. ; Fernie, A. R. ; THORMÄHLEN, I. ; Araújo, W. L. ; Daloso, D. M. Thioredoxin h2 contributes to the redox regulation of mitochondrial photorespiratory metabolism. PLANT CELL AND ENVIRONMENT, v. 43, p. 188-208, 2020.

A1

MARTINS, T. F. ; SOUZA, P. F. N. ; Alves, M. S. ; SILVA, F. D. A. ; ARANTES, M. R. ; VASCONCELOS, I. M. ; OLIVEIRA, J. T. A. Identification, characterization, and expression analysis of cowpea (*Vigna unguiculata* [L.] Walp.) miRNAs in response to cowpea severe mosaic virus (CPSMV) challenge. PLANT CELL REPORTS, v. 1, p. 1, 2020.A1

TABOSA, PEDRO M S ; ALMEIDA FILHO, LUIZ C P ; FRANCA, RUTE X ; ROCHA'BEZERRA, LADY CLARISSA B ; VASCONCELOS, ILKA M ; CARVALHO, ANA F U . Trypsin inhibitor from *Enterolobium contortisiliquum* seeds impairs *Aedes aegypti* development and enhances the activity of *Bacillus thuringiensis* toxins. PEST MANAGEMENT SCIENCE, v. 76, p. 1-8, 2020. A1

ARANTES, M. R. ; DIAS, L. P. ; COSTA, J. H. ; SARAIVA, K. D. C. ; MORAIS, J. K. S. ; SOUSA, D. O. B. ; SOARES, A. A. ; VASCONCELOS, I. M. ; OLIVEIRA, J. T. A. Gene expression during development and overexpression after *Cercospora kikuchii* and salicylic acid challenging indicate defensive roles of the soybean toxin. PLANT CELL REPORTS, v. 39, p. 713-726, 2020.A1

QUEIROZ, C. S. ; PEREIRA, I. M. C. ; LIMA, K. R. P. ; BRET, R. S. C. ; ALVES, M. S. ; GOMES-FILHO, E. ; CARVALHO, H. H. Combined NaCl and DTT diminish harmful ER-stress effects in the sorghum seedlings CSF 20 variety. PLANT PHYSIOLOGY AND BIOCHEMISTRY, v. 147, p. 223-234, 2020.A1

OLIVEIRA, F. D. B. ; DE SOUZA MIRANDA, R. ; ARAÚJO, G. S. ; COELHO, D. G. ; PINTO LOBO, M. D. ; PAULA-MARINHO, S. O. ; LOPES, L. S. ; MONTEIRO-MOREIRA, A. C. O. ; CARVALHO, H. H. ; GOMES-FILHO, E. New insights into molecular targets of salt tolerance in sorghum leaves elicited by ammonium nutrition. *PLANT PHYSIOLOGY AND BIOCHEMISTRY*, v. 154, p. 723-734, 2020.A1

NASCIMENTO, J. R. S. ; NETO, D. F. M. ; COUTINHO, I. A. C. ; DOMONT, G. ; Nogueira, F. C. S. ; Campos, F. A. P. Proteome Dynamics of the Cotyledonary Haustorium and Endosperm in the Course of Germination of *Euterpe oleracea* Seeds. *PLANT SCIENCE*, v. 298, p. 110569, 2020.A1

CRUZ, W. T. ; BEZERRA, E. H. S. ; RAMOS, M. V. ; Rocha, B. A. M. ; MEDINA, M. C. ; DEMARCO, D. ; CARVALHO, C. P. S. ; OLIVEIRA, J. S. ; SOUSA, J. S. ; SOUZA, P. F. N. ; FREIRE, V. N. ; DA SILVA, F. M. S. ; FREITAS, C. D. T. Crystal structure and specific location of a germin-like protein with proteolytic activity from *Thevetia peruviana*. *PLANT SCIENCE*, v. 298, p. 110590, 2020.A1

Menezes, B. S. ; MARTINS, F. R. ; CARVALHO, E. C. D. ; Souza, B. C. ; SILVEIRA, A. P. ; LOIOLA, M. I. B. ; ARAÚJO, F. S. Assembly rules in a resource gradient: Competition and abiotic filtering determine the structuring of plant communities in stressful environments. *PLoS One*, v. 15, p. e0230097, 2020.A1

TOMAZ, P. ; JEPSON, W. ; SANTOS, J. O. Urban Household Water Insecurity from the Margins: Perspectives from Northeast Brazil. *PROFESSIONAL GEOGRAPHER*, v. 1, p. 1-18, 2020. A1

AMBROZIO, L. ; MONTEZUMA, R. On the two-systole of real projective spaces. *REVISTA MATEMATICA IBEROAMERICANA*. v. N/A, p. N/A, 2020. A1

BESSA, G. P.; GIMENO, V. ; JORGE, L. Green functions and the Dirichlet spectrum. *REVISTA MATEMATICA IBEROAMERICANA*. v. 36, p. 1-36, 2020. A1

LEITÃO, R. Almgrens frequency formula for an extension problem related to the anisotropic fractional Laplacian. *REVISTA MATEMATICA IBEROAMERICANA*. v. 36, p. 641-660, 2020. A1

DE SOUSA, J. S. ; FREIRE, R. S. ; SOUSA, F. D. ; RADMACHER, M. ; SILVA, A. F. B. ; RAMOS, M. V. ; MONTEIRO-MOREIRA, A. C. O. ; MESQUITA, F. P. ; MORAES, M. E. A. ; MONTENEGRO, R. C. ; OLIVEIRA, C. L. N. Double power-law viscoelastic relaxation of living cells encodes motility trends. *SCIENTIFIC REPORTS*, v. 10, p. 4749-4749, 2020. A1

EBERHARD, U; SEYBOLD, HJ; SECCHI, E; JIMENEZ-MARTINEZ, J; RUHS, PA; OFNER, A; ANDRADE, JS; HOLZNER, M., Mapping the local viscosity of non-Newtonian fluids flowing through disordered porous structures. *SCIENTIFIC REPORTS*. V. 10, 11733, 2020. A1



BRAGA, J. E. M.; GOMES, D. E. M. ; MOREIRA, D. R. ; WANG, L. Krylov's Boundary Gradient Type Estimates for Solutions to Fully Nonlinear Differential Inequalities with Quadratic Growth on the Gradient. SIAM JOURNAL ON MATHEMATICAL ANALYSIS. v. 52, p. 4469-4505, 2020. A1

PAULA, D. P. ; MEDEIROS, D. H. M. ; BARROS, E. L. ; GUERRA, R. G. P. ; SANTOS, J. O. ; LIMA, J. S. Q. ; MONTEIRO, R. M. L. Diffusion of Covid-19 in the Northern Metropolis in Northeast Brazil: territorial dynamics and risks associated with Social Vulnerability. SOCIEDADE & NATUREZA (UFU. ONLINE), v. 32, p. 639-656, 2020. A1

ALIAS, J. L. ; RIGOLI, M. ; LIRA, J. H. Mean Curvature Flow Solitons in the Presence of Conformal Vector Fields. THE JOURNAL OF GEOMETRIC ANALYSIS. v. 30, p. 1466-1529, 2020. A1

FERNANDES, A.; SAMPAIO, J. E. On Lipschitz Rigidity of Complex Analytic Sets. THE JOURNAL OF GEOMETRIC ANALYSIS (ONLINE). v. 30, p. 706-718, 2020. A1

OLIVEIRA, T. M. B. F. ; RIBEIRO, F. W. P. ; SOUSA, C. P. ; SALAZAR-BANDA, G.R ; LIMA NETO, P. ; CORREIA, A. N. ; MORAIS, S. Current overview and perspectives on carbon-based (bio)sensors for carbamate pesticides electroanalysis. TRAC-TRENDS IN ANALYTICAL CHEMISTRY, v. 124, p. 115779, 2020.A1

MURITIBA, A. E. F. ; BONATES, T. O. ; DA SILVA, S. O. ; IORI, M.L. . Branch-and-Cut and Iterated Local Search for the Weighted -Traveling Repairman Problem: An Application to the Maintenance of Speed Cameras. TRANSPORTATION SCIENCE, v. 1, p. trsc.2020.1005, 2020. A1

## **QUALIS A2**

ALMEIDA, N. M.; ALVES, T. M. ; Nepomuceno Filho ; FREIRE, G. S. S.; SOUZA, A. C. B. ; NORMANDO, M. N. ; OLIVEIRA, K. M. L. ; BARBOSA, T. H. S. Tectono-sedimentary evolution and petroleum systems of the Mundau subbasin: A new deep-water exploration frontier in Equatorial Brazil. AAPG BULLETIN, v. 104, p. 795-824, 2020.A2

FARIAS, KAIO ; DA COSTA, RONER F. ; MEIRA, ASSUERO S ; DINIZ-FILHO, JAIRO ; BEZERRA, EVELINE M. ; FREIRE, VALDER N. ; GUEST, PRUE ; NIKAH, MARYAM ; MA, XINGHUA ; GARDINER, MICHAEL G. ; BANWELL, MARTIN G ; DE OLIVEIRA, MARIA DA C. F. ; DE MORAES, MANOEL O. ; PESSOA, CLAUDIA DO Ó. . The Antitumor Potential of the Isoflavonoids (+)- and (-)-2,3,9-Trimethoxypterocarpan: Mechanism-of-Action Studies. ACS Medicinal Chemistry Letters, v. 11, p. 1274-1280, 2020. A2

ARAÚJO, J. ; CAMPOS, V. A. ; MAIA, A. K. ; SAU, I. ; SILVA, A. On the Complexity of Finding Internally Vertex-Disjoint Long Directed Paths. *ALGORITHMICA*, v. 82, p. 1616-1639, 2020.A2

ARAÚJO, J. ; CAMPOS, V. A. ; LIMA, C. V. G. C. ; DOS SANTOS, V. F. ; SAU, I. ; Silva, A. Dual Parameterization of Weighted Coloring. *Algorithmica (New York. Internet)*, v. 82, p. 2316-2336, 2020.A2

LOPES, J. M. L. ; CARVALHO, H. H. ; ZORZATTO, C. ; AZEVEDO, A. L. S. ; MACHADO, M. A. ; SALIMENA, F. R. G. ; GRAZUL, R. M. ; GITZENDANNER, M. A. ; SOLTIS, D. E. ; SOLTIS, P. S. ; VICCINI, L. F. Genetic relationships and polyploid origins in the *Lippia alba* complex. *AMERICAN JOURNAL OF BOTANY*, v. 107, p. 1-11, 2020. A2

LEANDRO, B. ; PINA, H. ; RIBEIRO, E. Volume growth for geodesic balls of static vacuum space on 3-manifolds. *ANNALI DI MATEMATICA PURA ED APPLICATA*. v. 199, p. 863-873, 2020. A2

DZIEGIELOWSKI, J. ; METCALFE, B. ; VILLEGAS-GUZMAN, P. ; MARTÍNEZ-HUITLE, C. A. ; GORAYEB, A.; WENK, J. ; DI LORENZO, M. Development of a functional stack of soil microbial fuel cells to power a water treatment reactor: From the lab to field trials in North East Brazil. *APPLIED ENERGY*, v. 278, p. 115680-10, 2020. A2

OLIVEIRA, M. J. S. ; RUBIRA, R. J. G. ; FURINI, L. N. ; BATAGIN-NETO, A. ; CONSTANTINO, C. J. L. Detection of thiabendazole fungicide/parasiticide by SERS: quantitative analysis and adsorption mechanism. *APPLIED SURFACE SCIENCE*, v. 1, p. 145786, 2020. A2

MARQUES, T. M. F. ; SALES, D. ; SILVA, L. S. ; BEZERRA, R. D. S. ; SILVA, M. S. ; OSAJIMA, J. A. ; Ferreira, O. P. ; GHOSH, A. ; SILVA FILHO, E C. ; Viana, B. C. ; MATOS, J. Amino-functionalized titanate nanotubes for highly efficient removal of anionic dye from aqueous solution. *APPLIED SURFACE SCIENCE*, v. 512, p. 145659, 2020. A2

FIGUEIREDO, M. L. B. ; MARTIN, C. S. ; FURINI, L. N. ; RUBIRA, R. J. G. ; BATAGIN-NETO, A.; ALESSIO, P. ; CONSTANTINO, C. J. L. Surface-enhanced Raman scattering for dopamine in Ag colloid: adsorption mechanism and detection in the presence of interfering species. *APPLIED SURFACE SCIENCE*, v. 522, p. 146466, 2020. A2

DIOGO, I. J. S. ; SANTOS, K. ; COSTA, I. R. ; SANTOS, F. A. M. . Effects of topography and climate on Neotropical mountain forests structure in the semiarid region. *APPLIED VEGETATION SCIENCE*, v. 1, p. on line, 2020. A2

COELHO, D. G. ; MIRANDA, R. S. ; PAULA-MARINHO, S. O. ; DE CARVALHO, H. H. ; PRISCO, J. T. ; GOMES-FILHO, E. Ammonium nutrition modulates K<sup>+</sup> and N uptake, transport and accumulation during salt stress acclimation of sorghum plants. ARCHIVES OF AGRONOMY AND SOIL SCIENCE, v. 66, p. 1-14, 2020.A2

SOUSA, R. M. S. ; MENDES, L. W. ; ANTUNES, J. E. L. ; OLIVEIRA, L. M. S.; SOUSA, A. M. C. B. ; GOMES, R. L. F. ; LOPES, A. C. A. ; ARAÚJO, F. F. ; MELO, V. M. M. ; ARAUJO, A. S. F. Diversity and structure of bacterial community in rhizosphere of lima bean. APPLIED SOIL ECOLOGY, v. 00, p. 103490-00, 2020.A2

ROCHA, S. M. B. ; MENDES, L. W. ; OLIVEIRA, L. M. S. ; MELO, V. M. M. ; ANTUNES, J. E. L. ; ARAUJO, F. F. ; HUNGRIA, M. ; ARAUJO, A. S. F. Nodule microbiome from cowpea and lima bean grown in composted tannery sludge-treated soil. APPLIED SOIL ECOLOGY, v. 151, p. 103542, 2020.A2

GUERRA, M. D.F. ; DE SOUZA, M.J.N ; SILVA, E.V . Veredas da Chapada do Araripe: subespaços de exceção no semiárido do estado do Ceará, Brasil. Ateliê geográfico (UFG), v. 14, p. 51-66, 2020. A2

ALMEIDA, F. L. ; NASCIMENTO, F. R. ; SALES, C. The cycle of supercontinents and morpho-structural impacts on northwestern Ceará/Brazil. Ateliê geográfico (UFG), v. 14, p. 67-90, 2020.A2

NOGUEIRA, Y. L. B. ; BRITO, C. E. F. ; VIDAL, C. A. ; CAVALCANTE NETO, J. B. Towards Intrinsic Autonomy through Evolutionary Computation. ARTIFICIAL INTELLIGENCE REVIEW, v. 53, p. 4449-4473, 2020.A2

DIAS, L. P. ; SOUZA, P. F. N. ; OLIVEIRA, J. T. A. ; VASCONCELOS, I. M. ; ARAÚJO, N. M. S. ; TILBURG, MAURICIO F.V. ; GUEDES, M. I. F. ; CARNEIRO, R. F. ; LOPES, J. L. S. ; SOUSA, D. O. B. RcAlb-PepII, a synthetic small peptide bioinspired in the 2S albumin from the seed cake of Ricinus communis, is a potent antimicrobial agent against Klebsiella pneumoniae and Candida parapsilosis. BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES, v. 1862, p. 183092, 2020.A2

SOUZA, P. F. N. ; MARQUES, L. S. M. ; OLIVEIRA, J. T. A. ; LIMA, P. G. ; DIAS, L. P. ; NETO, N. A. S. ; LOPES, F. E. S. ; SOUSA, J. S. ; Silva, A. F.B. ; CANEIRO, R. F. ; LOPES, J. L. S. ; RAMOS, M. V. ; FREITAS, C. D. T. Synthetic antimicrobial peptides: From choice of the best sequences to action mechanisms. BIOCHIMIE, v. 175, p. 132-145, 2020. A2

SEYFULLAH, L. J. ; ROBERTS, E. A. ; SCHMIDT, A. R. ; RAGAZZI, E. ; ANDERSON, K. B. ; NASCIMENTO, D. R. ; SILVA FILHO, W. F. ; KUNZMANN, L. Revealing the diversity of amber source plants from the Early Cretaceous Crato Formation, Brazil. BMC EVOLUTIONARY BIOLOGY, v. 20, p. 107-128, 2020.A2

PINTO, A. M. ; NOGUEIRA, Y. L. B. "Weeping Angel": Biblioteca cross platform de baixo custo para detecção de atenção em dispositivos móveis. *Brazilian Journal of Development*, v. 6, p. 19868-19875, 2020.A2

MAIA, LUIS FERNANDO ; VIANA, WINDSON ; TRINTA, F. A. M.. Balancing and Transposition of Maps for AUGUST, P. M. ; GRINGS, M. ; GRUNWALD, M. S.; Zanatta, G. ; STONE, V. ; RODRIGUES, P. I. L.; STOCHER, D. P. ; MOREIRA, J. C. F.; LEIPNITZ, G.; MATTÉ, C. Tricarboxylic acid cycle dehydrogenases inhibition by naringenin: experimental and molecular modeling evidence. *British Journal of Nutrition*, v. ., p. 1-33, 2020. A2

GIRÃO, F.; RODRIGUES, D. Weighted geometric inequalities for hypersurfaces in sub-static manifolds. *BULLETIN OF THE LONDON MATHEMATICAL SOCIETY*. v. 52, p. 121-136, 2020. A2

PEIXOTO, F. S. ; CAVALCANTE, I. N. ; ARAÚ ; SILVEIRA, R. N. M. C. Conservação e proteção da água subterrânea: uma revisão de metodologias de mapeamento de aquíferos para o ordenamento territorial. *CAMINHOS DA GEOGRAFIA (UFU. Online)*, v. 21, p. 1-14, 2020.A2

SANTOS, L. E. N. ; COSTA, M. C. L. O PLANEJAMENTO URBANO EM SÃO LUÍS PELA LEGISLAÇÃO DE ZONEAMENTO, PARCELAMENTO, USO E OCUPAÇÃO DO SOLO: LIMITES AO DIREITO À CIDADE PELO PROCESSO DE PRODUÇÃO DO ESPAÇO. *Caminhos da Geografia (UFU. Online)*, v. 21, p. 36-50, 2020.A2

LEANDRO, G. R. S. ; SOUZA, C. A. ; NASCIMENTO, F. R. VARIAÇÃO DOS SEDIMENTOS DE FUNDO E EVOLUÇÃO MORFOLÓGICA NO CORREDOR FLUVIAL DO RIO PARAGUAI, CÁCERES – MATO GROSSO. *Caminhos da Geografia (UFU. Online)*, v. 21, p. 164-182, 2020.A2

VIEIRA, LEONARDO ; Hissa, Denise Cavalcante ; SOUZA, TEREZINHA ; SOUSA GONÇALVES, ÍRIS FLÁVIA ; MEDEIROS EVARISTO, JOSEPH ALBERTO ; SOUSA NOGUEIRA, FÁBIO CÉSAR ; URANO CARVALHO, ANA FONTENELE ; FARIAS, DAVI FELIPE . Assessing the effects of an acute exposure to worst-case concentration of Cry proteins on zebrafish using the embryotoxicity test and proteomics analysis. *CHEMOSPHERE*, v. 1, p. 128538, 2020.A2

PERLATTI, F. ; MARTINS, E. P. ; OLIVEIRA, D. P. ; RUIZ, F. ; FANDINO, V. A. ; Rezende, C. F. ; Perez, X. L. O. ; Osorio, T. F. Copper release from waste rocks in an abandoned mine (NE, Brazil) and its impacts on ecosystem environmental quality. *CHEMOSPHERE*, v. XX, p. 127843, 2020.A2

COUTINHO, F ; DIÓGENES, R ; LEANDRO, B ; RIBEIRO, E. Static perfect fluid space-time on compact manifolds. *CLASSICAL AND QUANTUM GRAVITY*. v. 37, p. 015003, 2020. A2

GUTIÉRREZ-PACHECO, M. M. ; ORTEGA-RAMÍREZ, L. A. ; SILVA-ESPINOZA, B. A. ; CRUZ-VALENZUELA, M. R. ; GONZÁLEZ-AGUILAR, G. A. ; LIZARDI-MENDOZA, J.; MIRANDA, R.; AYALA-ZAVALA, J. F. Individual and Combined Coatings of Chitosan and Carnauba Wax with Oregano Essential Oil to Avoid Water Loss and Microbial Decay of Fresh Cucumber. COATINGS, v. 10, p. 614, 2020.A2

LIMA, C.N.; MOURA, D.S.; SILVA, Y.S.S.; SOUZA, T.H. ; CRISAFULI, F.A.P.; SILVA, D.C.N.; PERES, J.C.; CESAR, C.L.; DE ARAUJO, R.E.; FONTES, A., Evaluating viscoelastic properties and membrane electrical charges of red blood cells with optical tweezers and cationic quantum dots - applications to beta-thalassemia intermedia hemoglobinopathy , COLLOIDS AND SURFACES B-BIOINTERFACES – V. 186 ,110671,2020. A2

MENEZES, M. L. L. R. ; RIBEIRO, H. L. ; ABREU, F. O. M. S. ; FEITOSA, J. P. A. ; FILHO, M. S. M. S. Optimization of the collagen extraction from Nile tilapia skin (*Oreochromis niloticus*) and its hydrogel with hyaluronic acid. COLLOIDS AND SURFACES B-BIOINTERFACES, v. 189, p. 110852, 2020.A2

OLIVEIRA, J. R. ; VIANA KOTZEBUE, L. R.; FREITAS, D. B. ; ALBUQUERQUE MATTOS, A. L. ; EUFRÁSIO DA COSTA JÚNIOR, A. ; MAZZETTO, S. E. ; Lomonaco, D. Towards novel high-performance bio-composites: Polybenzoxazine-based matrix reinforced with *Manicaria saccifera* fabrics. COMPOSITES PART B-ENGINEERING, v. 194, p. 108060, 2020.A2

IVO, R. F. ; V., C. A. ; CAVALCANTE NETO, J. B.. Improved Silhouette Rendering and Detection of Splat-Based Models. COMPUTERS & GRAPHICS-UK. v. 93, p. 39-50, 2020. A2

TORRES, A. B. B. ; DA ROCHA, A. R. ; COELHO DA SILVA, T. L. ; de Souza, J. N. ; GONDIM, R. S. Multilevel data fusion for the internet of things in smart agriculture. COMPUTERS AND ELECTRONICS IN AGRICULTURE, v. 171, p. 105309, 2020.A2

COSTA FILHO, J. S. ; CAVALCANTE, D. M. ; MOREIRA, L. O. ; MACHADO, J. C. An adaptive replica placement approach for distributed key-value stores. CONCURRENY AND COMPUTATION (ONLINE), v. 32, p. 2, 2020.A2

BEZERRA, B. P. ; POGODA, D. ; PERRY, M. L. ; VIDAL, L. M. T. ; ZAWOROTKO, M. J. ; Ayala, A. P. Cocrystal Polymorphs and Solvates of the Anti-*Trypanosoma cruzi* Drug Benznidazole with Improved Dissolution Performance. CRYSTAL GROWTH & DESIGN, v. 20, p. 4707-4718, 2020. A2

SANTOS SOUZA, G. D. ; AMADO, A. M. ; TEIXEIRA, A. M. R. ; Freire, P. T. C. ; SARAIVA, G. D. ; PINHEIRO, G. S. ; MOREIRA, S. G. C. ; de Sousa, F. F. ; NOGUEIRA, C. E. S. Low-Temperature Phase Transition of Dodecanoic Acid Crystals:

A Study Using Raman, Powder X-ray Diffraction, and Density Functional Theory Calculations. CRYSTAL GROWTH & DESIGN, v. 20, p. 281-290, 2020. A2

VIDAL, LAURA MARIA TEODORIO ; BEZERRA, BEATRIZ PINHEIRO ; FONSECA, JÉSSICA CASTRO DE ; MALLMANN, AURIANA SERRA VASCONCELOS ; DE SOUSA, FRANCISCA CLÉA FLORENÇO ; BARBOSA-FILHO, JOSÉ MARIA ; AYALA, ALEJANDRO PEDRO . Polymorphism in natural alkaloids from *Aniba riparia* (Nees) Mez ( Lauraceae ). CRYSTENGCOMM, v. 22, p. 7607-7616, 2020. A2

DE PAULA, D. M. ; LOMONACO, D. ; PONTE, A. M. P. ; CORDEIRO, K. E. ; MOREIRA, M. M. ; Mazzetto, S. E. ; FEITOSA, V. P. Influence of collagen cross-linkers addition in phosphoric acid on dentin biomodification and bonding of an etch-and-rinse adhesive. DENTAL MATERIALS, v. 36, p. e1-e8, 2020.A2

MOTA, E. ; ROCHA, L. ; SILVA, A. Connected greedy coloring of H -free graphs. DISCRETE APPLIED MATHEMATICS. v. 284, p. 572-584, 2020. A2

IBIAPINA, A.; SILVA, A. b-continuity and partial Grundy coloring of graphs with large girth. DISCRETE MATHEMATICS. v. 343, p. 111920, 2020. A2

Amorim, EM; Santana, SL; Silva, AS; Aquino, NC; Silveira, ER; Ximenes, RM; Rohde, C. Genotoxic Assessment of the Dry Decoction of *Myracrodruon urundeuva* Allemão (Anacardiaceae) Leaves in Somatic Cells of *Drosophila melanogaster* by the Comet and SMART Assays. ENVIRONMENTAL AND MOLECULAR MUTAGENESIS, Volume: 61 , Edição: 3, Páginas: 2020 ,329-337 . A2

VIEIRA, L. R. ; HISSA, D. C. ; SOUZA, T. M. ; SÁ, C. A. ; EVARISTO, J. A. M. ; NOGUEIRA, F. C. S. ; CARVALHO, A. F. U. ; FARIAS, D. F. Proteomics analysis of zebrafish larvae exposed to 3,4-dichloroaniline using the fish embryo acute toxicity test. ENVIRONMENTAL TOXICOLOGY, v. 35, p. 22921, 2020.A2

DE LUCENA, I. C. ; DO NASCIMENTO, W. M. ; PINHEIRO, A. P. ; CASCON, P. Ecological responses of two shrimp populations (Palaemonidae) to seasonal abiotic factor variations in a Brazilian semiarid reservoir. ETHOLOGY ECOLOGY & EVOLUTION, v. 32, p. 1-24, 2020.A2

FREITAS, L. F. F. ; Alencar, G. ; Landim, R. R. Consistency conditions for fields localization on braneworlds. EUROPEAN PHYSICAL JOURNAL C, v. 80, p. 432, 2020. A2

LESSA, L. A. ; SILVA, J. E. G ; Maluf, R. V. ; Almeida, C. A. S. Modified black hole solution with a background Kalb-Ramond field. EUROPEAN PHYSICAL JOURNAL C, v. 80, p. 334, 2020. A2

MALUF, R. V. ; DANTAS, D. M.; ALMEIDA, C. A. S. The Casimir effect for the scalar and Elko fields in a Lifshitz-like field theory. EUROPEAN PHYSICAL JOURNAL C, v. 80, p. 442, 2020. A2

NASCIMENTO, J. P. S. ; OLIVEIRA, A.C. ; ARAUJO, J. C.S. ; DE SOUSA, F.F. ; SARAIVA, G. D. ; RODRÍGUEZ-AGUADO, E. ; RODRÍGUEZ-CASTELLÓN, E. . Combined promoting effect of molybdenum on the bimetallic Al<sub>2</sub>O<sub>3</sub>-La<sub>2</sub>O<sub>3</sub> catalysts for NO<sub>x</sub> reduction by CO. FUEL, v. 275, p. 117872, 2020.A2

SILVA, F. L. F. ; NASCIMENTO, G. O. ; LOPES, G. S. ; MATOS, W. O. ; CUNHA, R. L. ; MALTA, M. R. ; LISKA, G. R. ; OWEN, R. W. ; TREVISAN, M. T. S. The concentration of polyphenolic compounds and trace elements in the Coffea arabica leaves: Potential chemometric pattern recognition of coffee leaf rust resistance. FOOD RESEARCH INTERNATIONAL, v. 134, p. 109221, 2020.A2

WANG, PENG ; ZHANG, JIE ; DUN, HONGCHAO ; Herrmann, Hans J. ; HUANG, NING . Aeolian Creep Transport: Theory and Experiment. GEOPHYSICAL RESEARCH LETTERS, v. 47, p. 088644, 2020. A2

RÊGO, L. C.; OLIVEIRA, F. E. G. Higher-order Sequential Stabilities in the Graph Model for Conflict Resolution for Bilateral Conflicts. GROUP DECISION AND NEGOTIATION, v. 29, p. 601-626, 2020.A2

VIEIRA, G. I. A. ; Rêgo, L. C. Berge Solution Concepts in the Graph Model for Conflict Resolution. Group Decision and Negotiation (Online), v. 29, p. 103-125, 2020.A2

RÊGO, L. C.; VIEIRA, G. I. A. Alternative Generalized Metarationalities for Multiple Decision-Maker Conflicts. Group Decision and Negotiation (Online), v. 29, p. 461-490, 2020.A2

ASSREUY, ANA MARIA S. ; AMORIM, RENATA MORAIS FERREIRA ; MARTINS, STEPHANIE LIAN ; DE QUEIROZ MARTINS, MARIA GLEICIANE ; CAJAZEIRAS, JOÃO BATISTA ; DA SILVA, MAYARA TORQUATO LIMA ; PIRES, ALANA FREITAS ; NASCIMENTO, KYRIA SANTIAGO ; CAVADA, BENILDO SOUSA ; MOTA, MÁRIO ROGÉRIO LIMA . Antinociceptive effect of Lonchocarpus araripensis lectin: activation of l-arginine/NO/cGMP/K<sup>+</sup>ATP signaling pathway. INFLAMMOPHARMACOLOGY, v. 28, p. 1623-1631, 2020.A2

VIANA, L. A. C. ; CAMPÊLO, M. Two dependency constrained spanning tree problems. International Transactions in Operational Research, v. 27, p. 867-898, 2020. A2

TRUKHANOV, A.V; ASTAPOVICH, K.A; TURCHENKO, V.A; ALMESSIERE, M.A; SLIMANI, Y; BAYKAL, A; SOMBRA, A.S.B; ZHOU, D; JOTANIA, R.B; SINGH, C; ZUBAR, T.I; TISHKEVICH, D.I; TRUKHANOV, S.V., In fluence of the dysprosium ions on structure, magnetic characteristics and origin of the reflection

losses in the Ni-Co spinels, JOURNAL OF ALLOYS AND COMPOUNDS - Volume: 841, 155667, 2020. A2

OLIVEIRA, F. G. S. ; BOHN, F. ; Correia, A. N. ; VASCONCELOS, I. F. ; LIMA NETO, P. Fe-Co coatings electrodeposited from eutectic mixture of choline chloride-urea: Physical characterizations and evaluation as electrocatalysts for the hydrogen evolution reaction. JOURNAL OF ALLOYS AND COMPOUNDS, v. 851, p. 156330, 2020.A2

NASCIMENTO, P. A. M. ; SILVA, A. J. S. ; CARVALHO, I. S. ; SILVA, R. S. ; DOS S. REZENDE, M. V. ; MOULTON, B. J. A. ; SAMPAIO, D. V. ; FREIRE, R. S. ; Paschoal, C. W. A. Effects of Li addition on the luminescent properties of LiSrPO<sub>4</sub>:Eu<sup>3+</sup> excited with X-ray and ultraviolet radiation. JOURNAL OF ALLOYS AND COMPOUNDS, v. -, p. 155388, 2020. A2

JÚNIOR, G. J. D. ; LEMOS, S. I. A. ; DE BRITO, T. V. ; PEREIRA, C. M. C. ; DA CRUZ JÚNIOR, J. S. ; DOS SANTOS FERREIRA, J. ; DA ROCHA RODRIGUES, L. ; DO NASCIMENTO LIMA, J. V. ; DA SILVA MONTEIRO, C. E. ; FRANCO, A. X. ; SOARES, P. M. G. ; ALVES, E. H. P. ; VASCONCELOS, D. F. P. ; Barros, F. C. N. ; FREITAS, A. L. P. ; DOS REIS BARBOSA, AL. Macromolecule extracted from Gracilaria caudata reduces inflammation and restores hepatic function in nimesulide-induced hepatic damage. JOURNAL OF APPLIED PHYCOLOGY, v. 32, p. 1511-1520, 2020.A2

CARNEIRO, R. F.; DUARTE, P. L. ; CHAVES, R. P. ; DA SILVA, S. R. ; FEITOSA, R. R.; DE SOUSA, B. L. ; DA SILVA ALVES, A. W. ; de Vasconcelos, M. A. ; da Rocha, B. A. M. ; Teixeira, E. H. ; SAMPAIO, A. H. ; Nagano, C. S. New lectins from Codium isthmocladum Vickers show unique amino acid sequence and antibiofilm effect on pathogenic bacteria. JOURNAL OF APPLIED PHYCOLOGY, v. XX, p. XX, 2020.A2

DA SILVA JÚNIOR, J. N.; SANTOS DE LIMA, P. R. ; SOUSA LIMA, M. A.; MONTEIRO, A. C. ; SILVA DE SOUSA, U. ; MELO LEITE JÚNIOR, A. J. ; VEGA, K. B. ; ALEXANDRE, F. S. O. ; MONTEIRO, A. J. Time Bomb Game: Design, Implementation, and Evaluation of a Fun and Challenging Game Reviewing the Structural Theory of Organic Compounds. JOURNAL OF CHEMICAL EDUCATION, v. 97, p. 565-570, 2020.A2

DA SILVA JÚNIOR, J. N.; SOUSA LIMA, M. A. ; SILVA DE SOUSA, U. ; DO NASCIMENTO, D. M. ; MELO LEITE JUNIOR, A. J. ; VEGA, K. B. ; ROY, B. ; WINUM, J.-Y. Reactions: An Innovative and Fun Hybrid Game to Engage the Students Reviewing Organic Reactions in the Classroom. JOURNAL OF CHEMICAL EDUCATION v. 97, p. 749-753, 2020.A2

DA SILVA JÚNIOR, JOSÉ NUNES ; ZAMPIERI, DÁVILA ; DE MATTOS, MARCOS CARLOS ; DUQUE, BRUNA RIBEIRO ; MELO LEITE JÚNIOR,



ANTONIO JOSÉ ; SILVA DE SOUSA, ULISSES ; DO NASCIMENTO, DAVID MACEDO ; SOUSA LIMA, MARY ANNE ; MONTEIRO, ANDRÉ JALLES . A Hybrid Board Game to Engage Students in Reviewing Organic Acids and Bases Concepts. JOURNAL OF CHEMICAL EDUCATION, v. 97, p. 3720-3726, 2020. A2

DA SILVA JÚNIOR, JOSÉ NUNES; DE SOUSA OLIVEIRA, JOSÉ MARIANO ; WINUM, JEAN-YVES ; MELO LEITE JUNIOR, ANTONIO JOSÉ ; ALEXANDRE, FRANCISCO SERRA OLIVEIRA ; DO NASCIMENTO, DAVID MACEDO ; SILVA DE SOUSA, ULISSES ; PIMENTA, ANTÔNIA TORRES ÁVILA ; MONTEIRO, ANDRÉ JALLES . Interactions 500: Design, Implementation, and Evaluation of a Hybrid Board Game for Aiding Students in the Review of Intermolecular Forces During the COVID-19 Pandemic. JOURNAL OF CHEMICAL EDUCATION, v. 00, p. 4049-4054, 2020. A2

GORAYEB, A. ; VICENTE DA SILVA, E. ; SOARES, L. S. ; GUIMARÃES DE CARVALHO, R. ; DAVY BRAZ RABELO, F.; OTÁVIO LANDIM NETO, F. ; FARIAS, J F. ; SOPCHAKI, C. H. Planning and Management of the Estuarine Zones of the Coastal Regions of Northern - Northeastern Brazil: An Approach Based on Landscape Geoecology. JOURNAL OF COASTAL RESEARCH, v. 95, p. 814-818, 2020.A2

FREIRE, J. M. A. ; MATOS, M. A. F. ; ABREU, D. S. ; BECKER, H. ; Diógenes, I. C. N. ; VALENTINI, A. ; LONGHINOTTI, E. Nitrate photocatalytic reduction on TiO<sub>2</sub>: metal loaded, synthesis and anions effect. JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, v. 8, p. 103844-103852, 2020.A2

BATISTA, J. A. ; MAGALHÃES, D. A. ; SOUSA, S. G. ; FERREIRA, J. S. ; PEREIRA, C. M. C.; LIMA, J. V. N. ; DE ALBUQUERQUE, I. F. ; BEZERRA, N. L. S. D. ; DE BRITO, T. V. ; MONTEIRO, C. E. S. ; FRANCO, A. X. ; DI LENARDO, D. ; OLIVEIRA, L. A. ; FEITOSA, J. P. A. ; DE PAULA, R. C. M. ; BARROS, F. C. N. ; FREITAS, A. L. P. ; DE OLIVEIRA, J. S. ; VASCONCELOS, D.L FERNANDO PEREIRA ; SOARES, PEDRO MARCOS GOMES ; BARBOSA, ANDRÉ LUIZ DOS REIS . Polysaccharides derived from *Morinda citrifolia* Linn reduce inflammatory markers during experimental colitis. JOURNAL OF ETHNOPHARMACOLOGY, v. 248, p. 112303, 2020.A2

SERRA, D. S. ; MATIAS DE SOUSA, A. ; COSTA DA SILVA ANDRADE, L. ; DE LIMA GONDIM, F. ; EVANGELISTA DE ÁVILA DOS SANTOS, J. ; MOURA DE OLIVEIRA, M. L. ; ÁVILA PIMENTA, A. T. Effects of fixed oil of *Caryocar coriaceum* Wittm. Seeds on the respiratory system of rats in a short-term secondhand-smoke exposure model. JOURNAL OF ETHNOPHARMACOLOGY, v. 252, p. 112633, 2020.A2

MORAIS, F. S. ; CANUTO, K. M. ; RIBEIRO, P. R. V. ; SILVA, A. B. ; PESSOA, O. D. L. ; FREITAS, C. D. T. ; ALENCAR, N. M. N. ; OLIVEIRA, A. C. ; RAMOS, M. V. Chemical profiling of secondary metabolites from *Himatanthus drasticus* (Mart.)

Plumel latex with inhibitory action against the enzymes  $\alpha$ -amylase and  $\alpha$ -glucosidase: In vitro and in silico assays. JOURNAL OF ETHNOPHARMACOLOGY, v. 253, p. 112644-1126653, 2020. A2

DE FARIAS SILVA, DIEGO ; SIMÕES BEZERRA, PEDRO HENRIQUE ; LOPES DE SOUSA RIBEIRO, LEONARDO ; VIANA, MAX DENISSON MAURÍCIO ; DE LIMA, ALYNE ALMEIDA ; DA SILVA NETO, GERALDO JOSÉ ; TEIXEIRA, CLAUDENER SOUZA ; MACHADO, SÔNIA SALGUEIRO ; ALEXANDRE MOREIRA, MAGNA SUZANA ; DELATORRE, PLINIO ; CAMPESATTO, ELIANE APARECIDA ; DA ROCHA, BRUNO ANDERSON MATIAS . *Costus spiralis* (Jacq.) Roscoe leaves fractions have potential to reduce effects of inflammatory diseases. JOURNAL OF ETHNOPHARMACOLOGY, v. XX, p. 113607, 2020.A2

DOS SANTOS MESQUITA, J. M. ; DE OLIVEIRA, S. S. ; PEREZ, R. ; Ávila, R. W. Helminths associated with (Squamata, Dactyloidae) in highland marshes of the Brazilian semi-arid. JOURNAL OF HELMINTHOLOGY, v. 94, p. e153, 2020.A2

MORAIS, D.H. ; MÜLLER, M.I. ; MELO, F.T.V. ; AGUIAR, A. ; WILLKENS, Y. ; DE SOUSA SILVA, C. ; GIESE, E.G. ; Ávila, R.W. ; DA SILVA, REINALDO JOSÉ . A new species of *Rhabdias* (Nematoda: Rhabdiasidae), a lung parasite of *Pseudopaludicola pocoto* (Anura: Leptodactylidae) from north-eastern Brazil: description and phylogenetic analyses. JOURNAL OF HELMINTHOLOGY, v. 94, p. 1-11, 2020.A2

GJERDING, M. N. ; CAVALCANTE, L. S. R. ; Chaves, A.; THYGESSEN, K. S. Efficient Ab Initio Modeling of Dielectric Screening in 2D van der Waals Materials: Including Phonons, Substrates, and Doping. Journal of Physical Chemistry C, v. 124, p. 11609-11616, 2020. A2

DO VALE, DIEGO ALVES ; VIEIRA, CLAUDIA BRANDÃO ; VIDAL, MANUELLA FERREIRA ; CLAUDINO, RAYANNE LEITÃO ; ANDRADE, FÁBIA KARINE ; SOUSA, JULIANA RABELO ; SOUZA FILHO, MEN DE SÁ MOREIRA ; da Silva, André Luis Coelho ; DE SOUZA, BARTOLOMEU WARLENE SILVA . Chitosan-Based Edible Films Produced from Crab-Uçá (*Ucides cordatus*) Waste: Physicochemical, Mechanical and Antimicrobial Properties. JOURNAL OF POLYMERS AND THE ENVIRONMENT, v. xx, p. xx, 2020A2

ANDRADE, MOAB T. ; NETO, DOMINGOS F. M. ; NASCIMENTO, JOSÉ R. S. ; SOARES, EMANOELLA L. ; COUTINHO, ÍTALO C. ; VELÁSQUEZ, ERIKA ; DOMONT, GILBERTO B. ; NOGUEIRA, FÁBIO C. S. ; CAMPOS, FRANCISCO A. P. . Proteome Dynamics of the Developing Açai Berry Pericarp ( *Euterpe oleracea* Mart.). JOURNAL OF PROTEOME RESEARCH, v. 19, p. 437-445, 2020. A2

SOUSA, A. M. P. ; SALLES, H. O. ; DE OLIVEIRA, H. D. ; DE SOUZA, B. B. P. ; DE LIMA CARDOZO FILHO, J. ; SIFUENTES, D. N. ; PRATES, M. V.; JUNIOR, C. B. ; BEMQUERER, M. P. ; DO EGITO, A. S. Mo-HLPs: New flocculating agents

identified from *Moringa oleifera* seeds belong to the hevein-like peptide family. JOURNAL OF PROTEOMICS, v. 217, p. 103692-99999, 2020.A2

OLIVEIRA JR., J. V. ; CRIBARI NETO, F. ; NOBRE, J. S. Influence diagnostics and model validation for the generalized extreme value nonlinear regression model. JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, v. 90, p. 515-549, 2020.A2

DE SOUSA, A. ; LONGHINOTTI, E. ; VALENTINI, A. ; DIÓGENES, I. Furfural Hydrodeoxygenation over a Ruthenium-Based Bifunctional Catalyst in the Presence of a Direct Source of H<sub>2</sub>. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, v. 00, p. 1-8, 2020. A2

VIDAL, C. ; BARBOSA, P. ; PESSOA, G. ; BUARQUE, P. ; NASCIMENTO, J. ; FARIAS FILHO, A. ; PAZ, M. ; DOS SANTOS, A. ; CAVALCANTE, R. ; Nascimento, R. Multiresidue Determination of Endocrine Disrupting Compounds in Sewage Treatment Plants (SPE-HPLC-DAD). JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, v. 00, p. 1-13, 2020. A2

FREGOLENTE, L.; DE CASTRO, A. ; MOREIRA, A. ; FERREIRA, O. P. ; BISINOTI, M. New Proposal for Sugarcane Vinasse Treatment by Hydrothermal Carbonization: An Evaluation of Solid and Liquid Products. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, v. 31, p. 40-50, 2020. A2

PINTO, F. ; Silveira, E. ; VASCONCELOS, A. C. ; FLORÊNCIO, K. ; OLIVEIRA, F. ; SAHM, B. ; COSTA LOTUFO, L. ; BAUERMEISTER, A.; LOPES, N.; WILKE, D. ; PESSOA, O. Dextrorotatory Chromomycins from the Marine *Streptomyces* sp. Associated to *Palythoa caribaeorum*. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, v. 31, p. 143-152, 2020.A2

GUEDES, J. ; ALVES FILHO, E. ; SILVA, M. ; RODRIGUES, T. ; RAMIRES, C. ; LIMA, M. ; SILVA, G. ; PESSOA, C. ; CANUTO, K. ; BRITO, E. ; ALVES, R. ; NASCIMENTO, R. ; ZOCCOLO, G.. GC-MS-Based Metabolomic Profiles Combined with Chemometric Tools and Cytotoxic Activities of Non-Polar Leaf Extracts of *Spondias mombin* L. and *Spondias tuberosa* Arr. Cam. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, v. 31, p. 331-3340, 2020. A2

GONZAGA, M. ; CAMPELO, M. ; SARAIVA, K. ; SANTOS, A.; LEAL, L. ; RICARDO, N. ; SOARES, S. ; RIBEIRO, M. E. Chitosan and *Agaricus brasiliensis* Polysaccharides Films: A Preliminary Study. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, v. 31, p. 990-998, 2020.A2

BENTO, L.; CONSTANTINO, I. ; TADINI, A. ; MELO, C. ; FERREIRA, O.; MOREIRA, A. ; BISINOTI, M. Chemical and Spectroscopic Characteristics of Anthrosol (Amazonian Dark Earth) and Surrounding Soil from the Brazilian Amazon Forest: Evaluation of Mineral and Organic Matter Content by Depth. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, v. 31, p. 1623-1634, 2020. A2

BOMFIM, R ; SEN PEI ; SHAMAN, J ; YAMANA, T ; MAKSE, HA ; ANDRADE, JS JR.; NETO, ASL ; FURTADO, V; Predicting dengue outbreaks at neighbourhood level using human mobility in urban areas . JOURNAL OF THE ROYAL SOCIETY INTERFACE. V. 17, e20200691, 2020.A2

BEZERRA, F. H. ; DE CASTRO, D. L. ; MAIA, R. P. ; SOUSA, M. O. L. ; MOURA-LIMA, E. N. ; ROSSETTI, D. F. ; BERTOTTI, G. ; SOUZA, Z. S. ; NOGUEIRA, F. C. C. Postrift stress field inversion in the Potiguar Basin, Brazil - Implications for petroleum systems and evolution of the equatorial margin of South America. MARINE AND PETROLEUM GEOLOGY, v. 111, p. 88-104, 2020. A2

MENEZES, D. F. ; BEZERRA, F. H. R. ; BALSAMO, F.; ARCARI, A. ; MAIA, R. P. ; CAZARIN, C. L. Subsidence rings and fracture pattern around dolines in carbonate platforms - Implications for evolution and petrophysical properties of collapse structures. MARINE AND PETROLEUM GEOLOGY, v. 113, p. 104113, 2020. A2

BAGNI, F. L. ; BEZERRA, F. H. R. ; BALSAMO, F.; MAIA, R. P. ; DALL'AGLIO, M. Karst dissolution along fracture corridors in an anticline hinge, Jandaíra Formation, Brazil: Implications for reservoir quality. MARINE AND PETROLEUM GEOLOGY, v. 115, p. 104249, 2020. A2

LEOPOLDINO OLIVEIRA, K. M. ; BEDLE, H. ; CASTELO BRANCO, R. M. G. ; DE SOUZA, A. C. B. ; NEPOMUCENO FILHO, F. ; NOMANDO, M. N. ; DE ALMEIDA, N. M. ; DA SILVA BARBOSA, T. H. Seismic stratigraphic patterns and characterization of deepwater reservoirs of the Mundaú sub-basin, Brazilian Equatorial Margin. MARINE AND PETROLEUM GEOLOGY, v. 2020, p. 104310, 2020.A2

CIBOTARU, D. Bioriented flags and resolutions of Schubert varieties. MATHEMATISCHE NACHRICHTEN. v. 293, p. 449-474, 2020. A2

FERNANDES, A.; GRANDJEAN, V.; SOARES, H. A note on the local Lipschitz triviality of values of complex polynomial functions. MATHEMATISCHE ZEITSCHRIFT. v. 296, p. 861-874, 2020. A2

BESSA, R. ; PEREIRA, A. L. S. ; ALEXANDRE, N. P. ; PEREZ-PAGE, M. ; HOLMES, S. ; NASCIMENTO, R. F ; Rosa, M. F ; ANDERSON, M. W. ; LOIOLA, A. R. . Hierarchical zeolite based on multiporous zeolite A and bacterial cellulose: An efficient adsorbent of Pb<sup>2+</sup>. MICROPOROUS AND MESOPOROUS MATERIALS, p. 110752-10, 2020. A2

SOUSA, BRANDON FERRAZ ; SILVA, AYRLES FERNANDA BRANDÃO DA ; LIMA-FILHO, JOSÉ VITOR ; AGOSTINHO, ANDERSON GOMES ; OLIVEIRA, DENISE NUNES ; DE ALENCAR, NYLANE MARIA NUNES ; DE FREITAS, CLEVERSON DINIZ TEIXEIRA ; RAMOS, MÁRCIO VIANA . Latex proteins downregulate inflammation and restores blood-coagulation homeostasis in acute

Salmonella infection. MEMÓRIAS DO INSTITUTO OSWALDO CRUZ, v. 115, p. e200458-x, 2020.A2

OTON, L.F. ; COELHO, D. C. ; OLIVEIRA, A. C. ; DE ARAUJO, J. C.S. ; LANG, R. ; RODRÍGUEZ-CASTELLÓN, E. ; RODRÍGUEZ-A., ELENA ; LUCREDIO, A. F. ; ASSAF, E. M. ; REYNA-ALVARADO, J. ; LÓPEZ-GALÁN, O. A. ; RAMOS, M. . Structural transformation of vanadate nanotubes into vanadate oxides nanostructures during the dry reforming of methane. *Molecular Catalysis*, v. 480, p. 110641, 2020.A2

FONSECA, T. S. ; VEGA, K. B. ; DA SILVA, M. R. ; DE OLIVEIRA, M. C. F. ; DE LEMOS, T. L. G.; CONTENTE, M. L. ; MOLINARI, F. ; CESPUGLI, M. ; FORTUNA, S. ; GARDOSSI, L. ; de Mattos, M. C. Lipase mediated enzymatic kinetic resolution of phenylethyl halohydrins acetates: A case of study and rationalization. *Molecular Catalysis*, v. 485, p. 110819-110825, 2020. A2

FERREIRA, A. R.O. ; SILVESTRE ALBERO, J. ; MAIER, M. E. ; Ricardo, N. M. P. S. ; CAVALCANTE, C. L. ; LUNA, F. M. T.. Sulfonated activated carbons as potential catalysts for biolubricant synthesis. *Molecular Catalysis*, v. 488, p. 110888, 2020. A2

DE ALMEIDA, D. K. C.; DA SILVA, M. R. ; DE MATTOS, M. C. ; NUNES, F. M. ; BALLEREAU, S. ; GÉNISSON, Y. ; MARAVAL, V. ; CHAUVIN, R. ; OLIVEIRA, M. C. F. Lipase-catalysed enantioselective kinetic resolution of rac-lipidic alkynylcarbinols and a C5 synthon thereof via a hydrolysis approach. *Molecular Catalysis*, v. 488, p. 110926, 2020.A2

OTON, L. F. ; OLIVEIRA, A. C. ; TEHUACANERO-CUAPA, S. ; SARAIVA, G.D. ; DE SOUSA, F. F. ; CAMPOS, A. ; DUARTE, G.; BEZERRA, J.R. . Catalytic acetalization of glycerol to biofuel additives over NiO and Co<sub>3</sub>O<sub>4</sub> supported oxide catalysts: experimental results and theoretical calculations. *MOLECULAR CATALYSIS*, v. 496, p. 111186, 2020.A2

ARAUJO, FDV ; OLIVEIRA, VV ; GADELHA, AC ; CARVALHO, TCV ; FERNANDES, TFD ; SILVA, FWN ; LONGUINHOS, R ; RIBEIRO-SOARES, J ; JORIO, A ; SOUZA, AG ALENCAR, RS; VIANA, BC., Temperature-dependent phonon dynamics and anharmonicity of suspended and supported few-layer gallium sulfide. *NANOTECHNOLOGY*. V.31,e 495702, 2020.A2

OLIVEIRA, G. F. S. ; GOUVEIA, F. S. ; PINHEIRO, A. A. ; DO NASCIMENTO NETO, L. G. ; DE VASCONCELOS, M. A. ; TEIXEIRA, E. H. ; GONDIM, A. C. S. ; LOPES, L. G. F. ; DE CARVALHO, I. M. M. ; SOUSA, E. H. S. An anthracene-pendant ruthenium( ii ) complex conjugated to a biotin anchor, an essential handle for photo-induced anti-cancer activity. *NEW JOURNAL OF CHEMISTRY*, v. 44, p. 6610-6622, 2020. A2

CARVALHO, E. M. ; RECHIGNAT, L. ; SOUSA, E. H. S. ; LOPES, L. G. F. ; CHAUVIN, R. ; BERNARDES GÉNISSON, V. Mechanistic insights into the in vitro

metal-promoted oxidation of (di)azine hydroxamic acids: evidence of HNO release and N , O -di(di)azinoyl hydroxylamine intermediate. NEW JOURNAL OF CHEMISTRY, v. 44, p. 11965-11973, 2020.A2

MORAIS, P. A. ; MAIA, F. F. ; SOLIS-CALERO, C. ; CAETANO, E. W. S. ; FREIRE, V. N.; CARVALHO, H. F. The urokinase plasminogen activator binding to its receptor: a quantum biochemistry description within an in/homogeneous dielectric function framework with application to uPA-uPAR peptide inhibitors. PHYSICAL CHEMISTRY CHEMICAL PHYSICS, v. 22, p. 3570-3583, 2020. A2

SILVA, PV ; FADEL, M ; SOUZA, AG ; MEUNIER, V ; GIRAO, EC; Tripentaphenes: two-dimensional acepentalene-based nanocarbon allotropes . PHYSICAL CHEMISTRY CHEMICAL PHYSICS. V. 22, p.23195-23206, 2020. A2

WO'NIAK, T. ; FARIA JUNIOR, P. E. ; SEIFERT, G. ; Chaves, A. ; KUNSTMANN, J. Exciton g factors of van der Waals heterostructures from first-principles calculations. PHYSICAL REVIEW B, v. 101, p. 235408, 2020. A2

CUNHA, S. M. ; DA COSTA, D. R. ; FELIX, L. C. ; Chaves, A. ; Pereira, J. M. Electronic and transport properties of anisotropic semiconductor quantum wires. PHYSICAL REVIEW B, v. 102, p. 045427, 2020. A2

ALENCAR, RS ; LONGUINHOS, R ; RABELO, C; MIRANDA, H; VIANA, BC; SOUZA, AG; CANCELO, LG; JORIO, A; RIBEIRO-SOARES, J. Raman spectroscopy polarization dependence analysis in two-dimensional gallium sulfide, PHYSICAL REVIEW B . V.: 102, e165307, 2020. A2

LIMA, A. P. C. M. ; Alencar, G. ; LANDIM, R. R. Asymptotic states of accelerated qubits in nonzero background temperature. PHYSICAL REVIEW D, v. 101, p. 125008, 2020. A2

MALUF, R. V. ; SILVEIRA, F. A. G. ; SILVA, J. E. G ; ALMEIDA, C. A. S. Dual equivalence between self-dual and topologically massive BF models coupled to matter in 3+1 dimensions. PHYSICAL REVIEW. D. PARTICLES, FIELDS, GRAVITATION, AND COSMOLOGY (ONLINE), v. 102, p. 025006, 2020. A2

BORBA, A. D. ; DOMINGOS, J. L. C. ; MORAES, E. C. B. ; POTIGUAR, F. Q. ; FERREIRA, W. P. Controlling the transport of active matter in disordered lattices of asymmetrical obstacles. PHYSICAL REVIEW E, v. 101, p. 022601-1-022601-7, 2020. A2

RIBEIRO, H. E. ; FERREIRA, W. P. ; Potiguar, F. Q. Trapping and sorting of active matter in a periodic background potential. PHYSICAL REVIEW E, v. 101, p. 032126, 2020. A2

FREITAS, C. D. T.; SILVA, R. O. ; Ramos, M. V. ; PORFÍRIO, C. T. M. N. ; FARIAS, D. F. ; SOUSA, J. S. ; OLIVEIRA, J. P. B. ; SOUZA, P. F. N. ; DIAS, L. P. ;

Grangeiro, T. B. Identification, characterization, and antifungal activity of cysteine peptidases from *Calotropis procera* latex. *PHYTOCHEMISTRY*, v. 169, p. 112163, 2020.A2

BRITO, L. S. O. ; Pinto, F. C. L. ; DE FILHO, M. O. M. ; Rocha, D. D. ; MENDOZA, M. F. M. ; AYALA, A. P. ; BEZERRA, B. P. ; LOIOLA, M. I. B. ; CANUTO, K. M. ; Silveira, E. R. ; Pessoa, O. D. L. Tropane alkaloids from the stem bark of *Erythroxylum bezerrae*. *PHYTOCHEMISTRY*, v. 178, p. 112458, 2020.A2

OLIVEIRA, S. T. ; AZEVEDO, M. I. G. ; CUNHA, R. M. S. ; SILVA, C. F. B. ; MUNIZ, C. R. ; MONTEIRO-JÚNIOR, J. E. ; CARNEIRO, R. F. ; NAGANO, C. S. ; GIRÃO, M. S. ; FREITAS, C. D. T. ; Grangeiro, T. B. Structural and functional features of a class VI chitinase from cashew (*Anacardium occidentale* L.) with antifungal properties. *PHYTOCHEMISTRY*, v. 180, p. 112527-x, 2020.A2

LEIFER, IAN ; MORONE, FLAVIANO ; REIS, SAULO D. S. ; ANDRADE, JOSÉ S.; SIGMAN, MARIANO ; MAKSE, HERNÁN A. . Circuits with broken fibration symmetries perform core logic computations in biological networks. *PLOS COMPUTATIONAL BIOLOGY (ONLINE)*, v. 16, p. e1007776, 2020.A2

FILHO, F. O. ; SILVA, E. O. ; LOPES, M. M. A. ; RIBEIRO, P. R. V. ; OSTER, A. H. ; GUEDES, J. A. C. ; ZAMPIERI, D. S. ; BORDALLO, P. N. ; ZOCCOLO, G. J. Effect of pulsed light on postharvest disease control-related metabolomic variation in melon (*Cucumis melo*) artificially inoculated with *Fusarium pallidoroseum*. *PLoS One*, v. 15, p. e0220097, 2020.A2

MARENCO, L; CARMONA, H.A; CARDOSO, F.M; ANDRADE, J.S; CESAR, C.L.;Time evolution of the behaviour of Brazilian legislative Representatives using a complex network approach - *PLOS ONE* – V.15 , e0226504, 2020. A2

PAIVA, J. O. V.; ANDRADE, R.M. C.; DE OLIVEIRA, P. A. M.; DUARTE, P.; SANTOS, I. S.; EVANGELISTA, A. L. DE P.; THEOPHILO, R. L.; DE ANDRADE, L. O. M.; BARRETO, I. C. H. C. Mobile applications for elderly healthcare: A systematic mapping. *PLoS One.*, v.15, p.e0236091 - , 2020. A2

FEITOSA, R. A. New public policy for teacher training in Brazil: Vincent van Gogh as an inspiration for the action of the Pedagogical Residency program?. *POLICY FUTURES IN EDUCATION (ONLINE)*, v. 1s Pub, p. 147821032094012-18, 2020. A2

BRAGA, J. E. M.; MOREIRA, D. R. Classification of Nonnegative  $g$ -Harmonic Functions in Half-Spaces. *POTENTIAL ANALYSIS*. p. XX-XX, 2020. A2

FARIAS, A. R. B. ; ALMEIDA, N. ; Domont, G. B. ; Nogueira, F. C. S. ; Campos, F. A. P. Quantitative Proteome Analysis of *Jatropha curcas* L. Genotypes with Contrasting Levels of Phorbol Esters'. *PROTEOMICS*, v. 4, p. 1-12, 2020.A2

PEREIRA, V. A. ; RIBEIRO, I. S. ; Paula, H. C. B. ; DE PAULA, R. C. M. ; SOMMER, R. L.; RODRIGUEZ, R. J. S. ; ABREU, F. O. M. S. Chitosan-based

hydrogel for magnetic particle coating. REACTIVE & FUNCTIONAL POLYMERS, v. 146, p. 104431, 2020.A2

DA SILVA, R. C. ; DE AGUIAR, S. B. ; DA CUNHA, P. L. R. ; DE PAULA, R. C. M. ; FEITOSA, J. P. A. Effect of microwave on the synthesis of polyacrylamide-g-chitosan gel for azo dye removal. REACTIVE & FUNCTIONAL POLYMERS, v. 148, p. 104491, 2020.A2

RODRIGUES, J. S. ; DO VALLE, C. P.; UCHOA, A. F. J. ; RAMOS, D. M. ; DA PONTE, F. A. F. ; RIOS, M. A. S. ; DE QUEIROZ MALVEIRA, J. ; PONTES SILVA RICARDO, N. M. Comparative study of synthetic and natural antioxidants on the oxidative stability of biodiesel from Tilapia oil. RENEWABLE ENERGY, v. 156, p. 1100-1106, 2020.A2

NOGUEIRA, T. R. ; DE MESQUITA FIGUEREDO, I. ; TAVARES LUNA, F. M. ; CAVALCANTE, C. L. ; EVANGELISTA DE ÁVILA DOS SANTOS, J. ; Sousa Lima, M. A. ; JOSINO DA SILVA, T. S. ; ALMEIDA MOREIRA LEAL, L. K. ; NUNES, F. M. ; ALEXSANDRA DE SOUSA RIOS, M. ; ÁVILA PIMENTA, A. T. Evaluation of oxidative stability of soybean biodiesel using ethanolic and chloroform extracts of *Platymiscium floribundum* as antioxidant. RENEWABLE ENERGY, v. 159, p. 767-774, 2020. A2

CAVALCANTE, G. S. ; MORAIS, S. M. ; ANDRÉ, W. P. P. ; ARAÚJO-FILHO, J. V. ; MUNIZ, C. R. ; ROCHA, L. O. ; RIBEIRO, W. L. C. ; RODRIGUES, A. L. M. ; OLIVEIRA, L. M. B. ; BEVILAQUA, C. M. L. ; Ramos, M. V. Chemical constituents of *Calotropis procera* latex and ultrastructural effects on *Haemonchus contortus*. REVISTA BRASILEIRA DE PARASITOLOGIA VETERINARIA, v. 29, p. e001320, 2020.A2

BRUNO DE OLIVEIRA DANTAS, A. ; HERON DE CARVALHO JUNIOR, F. ; Barbosa, L. S. A component-based framework for certification of components in a cloud of HPC services. SCIENCE OF COMPUTER PROGRAMMING, v. 191, p. 102379, 2020A2

LEDRU, M. P. ; JESKE-PIERUSCHKA, V. ; BREMOND, L. ; DEVELLE, A. L. ; SABATIER, P. ; MARTINS, E. S. P. R. ; DE FREITAS FILHO, M. R. ; FONTENELE, D. P. ; ARNAUD, F. ; FAVIER, C. ; BARROSO, F. R. G. ; Araújo, F. S.. When archives are missing, deciphering the effects of public policies and climate variability on the Brazilian semi-arid region using sediment core studies. SCIENCE OF THE TOTAL ENVIRONMENT, v. 723, p. 137989, 2020.A2

DA SILVA, G.S.; OLIVEIRA, L.P.; COSTA, G.F.; GIORDANO, G.F.; NICOLICHE, C.Y.N.; SILVA, A.A.; SOUFAZZIO, A.; MARTINEZ, D.S.T.; LIMA, R.S. Ordinary microfluidic electrodes combined with bulk nanoprobe produce multidimensional electric double-layer capacitances towards metal ion recognition. SENSORS AND ACTUATORS B-CHEMICAL - Volume: 305, 127482, 2020. A2



C. DOMINGOS, J. L. ; DE FREITAS, E. A. ; FERREIRA, W. P. Steady states of non-axial dipolar rods driven by rotating fields. *Soft Matter*, v. 16, p. 1201-1210, 2020. A2

ARAÚJO, J. C. H. ; SOUZA, W. F. ; MEIRELES, A. J. A; BRANNSTROM, C. Sustainability Challenges of Wind Power Deployment in Coastal Ceará State, Brazil. *SUSTAINABILITY*, v. 12, p. 5562, 2020.A2

ROBERTO, I. J. ; BITTENCOURT, P. S. ; MUNIZ, F. L. ; HERNÁNDEZ-RANGEL, S. M. ; NÓBREGA, Y. C. ; Ávila, R. W. ; SOUZA, B. C. ; ALVAREZ, G. ; MIRANDA-CHUMACERO, G. ; CAMPOS, Z. ; FARIAS, I. P. ; HRBEK, T. Unexpected but unsurprising lineage diversity within the most widespread Neotropical crocodylian genus *Caiman* (Crocodylia, Alligatoridae). *SYSTEMATICS AND BIODIVERSITY*, v. 18, p. 377-395, 2020.A2

BARBOSA JOBIM, G. S. ; COSTA LIRA, E. ; RALPH, A. C. L. ; GREGÓRIO, L. ; LEMOS, T. L. G. ; BURBANO, R. R. ; CALCAGNO, D. Q. ; SMITH, M. A. C. ; MONTENEGRO, R. C. ; VASCONCELLOS, M. C. Biflorin inhibits the proliferation of gastric cancer cells by decreasing MYC expression. *TOXICOLOGY IN VITRO*, v. 63, p. 104735, 2020. A2

## **QUALIS B1**

BRASILEIRO, A. C. ; PASSOS, D. C. ; Lima-Araújo, F. ; Cascon, P. Are good fighters also good singers? The relationship between acoustic traits and fight success in the treefrog *Pithecopus nordestinus* (Phyllomedusidae). *ACTA ETHOLOGICA*, v. 2020, p. <https://doi.org>, 2020.B1

OTON, L.F. ; OLIVEIRA, A. C. ; DE ARAUJO, J. C.S. ; ARAUJO, R. S. ; DE SOUSA, F. F. ; SARAIVA, G. D. ; LANG, R. ; OTUBO, L.; DUARTE, G.C.S. ; Campos, Adriana . Selective catalytic reduction of NO<sub>x</sub> by CO (CO-SCR) over metal-supported nanoparticles dispersed on porous alumina. *ADVANCED POWDER TECHNOLOGY*, v. 31, p. 464-476, 2020.B1

FONTELES, C. S. R.F ; MONTEIRO, F. C. ; VASCONCELOS, R.B. ; MONTEIRO, A.J.; CHAVES JÚNIOR, C.M. ; MARÇAL, FELIPE ; MARTINS, R. A.R.C. ; OLIVEIRA, A. L.P. ; CAVALCANTE, G.S. ; TOSCANO, B.P. ; LOPES, T. E. C.F. ; COSTA, F. W. G.; RIBEIRO, T. R. ; VERÇOSA, I. M. C. ; PESSOA, A. L. S.; CAVALCANTI, L. P.G. ; RIBEIRO, E. M. . Defining dysmorphic facial features in congenital Zika syndrome. *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*, v. 97, p. [ajmg.a.61980](https://doi.org), 2020.B1

GOMES, D. A. ; Maluf, R. V. ; Almeida, C. A. S. Thermodynamics of Schwarzschild-like black holes in modified gravity models. *ANNALS OF PHYSICS*, v. 418, p. 168198, 2020. B1

FONTELES, H. R. N. ; VERISSIMO, C. U. V. ; GARCIA, P.H. ; BARBOSA, I.G. . A hybrid multivariate typological model for the banded iron formations from the Bonito Mine, Northeastern Brazil. *APPLIED GEOCHEMISTRY*, v. 123, p. 104779, 2020.B1

Lima, F.C.E.; Gomes, D.A.; Almeida; C.A.S.; Transforming kinks into compactons in the O(3)-sigma model ANNALS OF PHYSICS - VOL. 422, P. 168315, 2020. B1

DE SOUZA, A. C. P. ; DA COSTA, R. C. Differences in leaf phenology between juvenile and adult individuals of two tree species in a seasonally dry tropical woodland. AUSTRAL ECOLOGY, v. 45, p. 240-248, 2020.B1

DE PAIVA PINHEIRO, S. K. ; DE MEDEIROS CHAVES, M.; RANGEL MIGUEL, T. B. A. ; DE FREITAS BARROS, F. C.; FARIAS, C. P. ; Ferreira, O. P. ; DE CASTRO MIGUEL, E. Toxic effects of silver nanoparticles on the germination and root development of lettuce (*Lactuca sativa*). AUSTRALIAN JOURNAL OF BOTANY, v. 68, p. 127-136, 2020. B1

COSTA, I. S. C. ; LUCENA, E. M. ; BONILLA, O. H. ; GUESDON, I. R. ; COUTINHO, ITALO . Seasonal variation in colleter exudates in *Myrcia splendens* (Myrtaceae). AUSTRALIAN JOURNAL OF BOTANY, V.68p. 403-412, 2020.B1

MAFEZOLI, J. ; MOURAO, G. S. M. M. ; SOUZA, E. D. R. ; SILVA JR., J. N. ; OLIVEIRA, M. C. F. ; BARBOSA, F. G. ; ANDRADE NETO, M. Chemical constituents of *Sigmatanthus trifolius* Huber ex Emmerich (Rutaceae). BIOCHEMICAL SYSTEMATICS AND ECOLOGY, v. 93, p. 104139, 2020.B1

CORDEIRO, R. A. ; DE ANDRADE, A. R. C. ; PORTELA, F. V. M.; PEREIRA, L. M. G.; MOURA, S. G. B. ; SAMPAIO, M. D. ; PEREIRA, E. M. A. ; DE MELO GUEDES, G. M. ; BANDEIRA, S. P. ; DE LIMA-NETO, R. G. ; MELO, V. M. M. ; BRILHANTE, R. S. N. ; CASTELO-BRANCO, D. S. C. M. ; ROCHA, M. F. G. ; SIDRIM, J. J. C. Proposal for a microcosm biofilm model for the study of vulvovaginal candidiasis. BIOFOULING, v. 36, p. 1-11, 2020.B1

ANDRADE, A. L. ; DE VASCONCELOS, M. A. ; ARRUDA, F. V. S. ; DO NASCIMENTO NETO, L. G. ; CARVALHO, J. M. S. ; GONDIM, A. C. S. ; LOPES, L. G. F. ; SOUSA, E. H. S. ; TEIXEIRA, E. H. Antimicrobial activity and antibiotic synergy of a biphosphinic ruthenium complex against clinically relevant bacteria. BIOFOULING, v. 36, p. 1-13, 2020. B1

VIEIRA, C. F. ; CARVALHO, F. E. L. ; LIMA-MELO, Y. ; CARVALHO, C. P. S. ; LIMA NETO, M. C. ; MARTINS, M. O. ; SILVEIRA, J. A. G. . Integrative approach reveals new insights into photosynthetic and redox protection in ex vitro tobacco plantlets acclimatization to increasing light intensity. BIOTECHNOLOGY RESEARCH AND INNOVATION, v. 3, p. 59-72, 2020  
B1

Costa, R. C.; Santos, F. A. M. Differences in architecture and performance between two sub-canopy congeneric tropical tree species. BIOTROPICA, v. 52, p. 415-420, 2020.B1

LIMA, G. O. ; ARAÚJO, T. P. ; LIMA, J. R. O. ; PRAZERES, G. M. P. ; Paschoal, C. W. A. ; LONGO, E. ; TANAKA, A. A. ; MACIEL, A. P. ; BARBOSA, D. A.B. ; ALMEIDA, M. A. P. Biomolecule-assisted route to obtain nanostructured bismuth oxybromide with enhanced photocatalytic activity. BOLETIN DE LA SOCIEDAD ESPANOLA DE CERAMICA Y VIDRIO, v. -, p. -, 2020.B1

COSTA, I. S. C. ; LUCENA, E. M. ; BONILLA, O. H. ; RADOSAVLJEVIC, A. ; COUTINHO, ÍTALO A. C. . Ontogenesis, histochemistry and seasonal and luminous environmental characterization of secretory cavities in leaves of *Myrcia splendens* (Myrtaceae). BOTANY, v. 98, p. ss-ss, 2020.B1

SANTOS, L. C. M. L. ; LIMA, H. M. ; LAGES, G. A. ; CAXITO, F. A. ; ARAUJO NETO, J. F. ; GUIMARAES, I. P. Petrogenesis of the riacho do icó stock: evidence for neoproterozoic slab melting during accretion tectonics in the Borborema Province?. BRAZILIAN JOURNAL OF GEOLOGY, v. SP, p. 1-17, 2020.B1

NOBRE, J. S.; SINGER, J. M. ; BATISTA, M. J. Improved  $F$ -tests for variance components in one-way random effects models. Brazilian Journal of Probability and Statistics, v. 34, p. 464-477, 2020. B1

MEIRA, S. A. ; NASCIMENTO, M.A.L. ; SILVA, E.V. ; ARNEDO, M. T. E. . Serviços Ecossistêmicos da Geodiversidade: Avaliação e Propostas de Valoração em Locais de Interesse Geológico do Parque Nacional de Ubajara, Ceará, Brasil. CADERNO DE GEOGRAFIA (PUCMG. IMPRESSO), v. 30, p. 788-816, 2020.B1

MOREIRA, K. S. ; MOURA JÚNIOR, L. S. ; MONTEIRO, R. R. C. ; DE OLIVEIRA, A. L. B. ; VALLE, C. P. ; Freire, T. M. ; FECHINE, P. B. A. ; DE SOUZA, M. C. M. ; FERNANDEZ-LORENTE, G. ; GUISAN, J. M. ; DOS SANTOS, J. C. S. Optimization of the Production of Enzymatic Biodiesel from Residual Babassu Oil (*Orbignya* sp.) via RSM. CATALYSTS, v. 10, p. 414, 2020.B1

NASCIMENTO, J. P. S. ; OTON, L. F. ; OLIVEIRA, A. C. ; RODRÍGUEZ-AGUADO, E. ; RODRÍGUEZ-CASTELLÓN, E. ; ARAUJO, R. S. ; SOUZA, M. S. ; LANG, R. Selective Catalytic Reduction of NO<sub>x</sub> by CO over Doubly Promoted MeMo/Nb<sub>2</sub>O<sub>5</sub> Catalysts (Me = Pt, Ni, or Co). CATALYSTS, v. 10, p. 1048, 2020.B1

FERREIRA, W. C. ; RODRIGUES, G. L. C. ; ARAÚJO, B. S. ; DE AGUIAR, F. A. A. ; DE ABREU SILVA, A. N. A. ; FECHINE, P. B. A. ; DE ARAUJO PASCHOAL, C. W. ; Ayala, A. P. Pressure-induced structural phase transitions in the multiferroic four-layer Aurivillius ceramic Bi<sub>5</sub>FeTi<sub>3</sub>O<sub>15</sub>. CERAMICS INTERNATIONAL, v. 46, p. 18056-18062, 2020. B1

TEIXEIRA, V. C. ; MANALI, I. F. ; GALLO, T. M. ; GALANTE, D. ; Barbosa, D. A. B. ; Paschoal, C. W. A. ; SILVA, R.S. ; REZENDE, M.V. DOS S. Luminescent properties of Li(Ga<sub>1-x</sub>Cr<sub>x</sub>)<sub>5</sub>O<sub>8</sub> (LGCO) phosphors. CERAMICS INTERNATIONAL, p. -, 2020. B1

SOARES DA SILVA, L. ; CONSTANTINO, I. C. ; BENTO, L. R. ; TADINI, A. M. ; BISINOTI, M.; BOSCOLO, M.; FERREIRA, O. P.; MOUNIER, S. ; PICCOLO, A.; SPACCINI, R. ; CORNÉ ; MOREIRA, A. B. Humic extracts from hydrochar and Amazonian Anthrosol: Molecular features and metal binding properties using EEM-PARAFAC and 2D FTIR correlation analyses. CHEMOSPHERE, v. 256, p. 127110, 2020. B1

CAMPELO, MATHEUS DA SILVA; MELO, ELLEN OLIVEIRA; ARRAIS, STEFANO PEREIRA; NASCIMENTO, FRANCISCA BRUNA STEFANY AIRES DO; GRAMOSA, NILCE VIANA; Soares, Sandra de Aguiar; RIBEIRO, MARIA ELENIR NOBRE PINHO; SILVA, CECÍLIA ROCHA DA; JÚNIOR, HÉLIO VITORIANO NOBRE; RICARDO, NÁGILA MARIA PONTES SILVA. Clove essential oil encapsulated on nanocarrier based on polysaccharide: A strategy for the treatment of vaginal candidiasis. COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS , v. 1, p. 125732, 2020.. B1

RODRIGUES, R. L.; NETO, A.P.; VANEGAS, E. Q. Commutative power-associative algebras of small dimension. COMMUNICATIONS IN ALGEBRA, 48:12, 5056-5066, 2020. B1

MATOS, A.B; FREIRE, V.N; CAETANO, E.W.S., Novel Si-C compounds with semiconducting and metallic properties: A DFT study. COMPUTATIONAL MATERIALS SCIENCE – v. 183 , e109800. 2020. B1

SAWAKI, R. V. ; TANNOUS, K. ; FILHO, J. B. F. Development of an educational tool aimed at designing ideal chemical reactors. COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, v. 1, p. cae.22208-1, 2020.B1

NUNES, RODOLFO DE MELO; GIRÃO, VIRGÍNIA CLAUDIA CARNEIRO; CASTRO, RONDINELLE RIBEIRO; CUNHA, PABLYANA LEILA RODRIGUES; FEITOSA, JUDITH PESSOA ANDRADE; PINTO, ANA CAROLINA MATIAS DINELLY; CASTRO ROCHA, FRANCISCO AIRTON Increase in molar mass distinguishes chondroitin sulfate from osteoarthritis and normal extracellular cartilage matrix. CONNECTIVE TISSUE RESEARCH. , v.61, p.1 - 8, 2020.B1

BEZERRA, F. I. ; SOLORZANO-KRAEMER, M. M. ; MENDES, M. . Distinct preservational pathways of insects from the Crato Formation, Lower Cretaceous of the Araripe Basin, Brazil. CRETACEOUS RESEARCH, v. 118, p. 1-13, 2020.B1

VIEIRA, R. S. T. ; TEIXEIRA, D. N. ; CAVALCANTE NETO, J. B. ; Machado, J. C. ; FILHO, F. N. Rolling-circles: Detect and reduce noise via erosion of finite-difference moduli for preserving signals. DIGITAL SIGNAL PROCESSING, v. 103, p. 102764, 2020.B1

LOPES NETO, J. J. ; DE ALMEIDA, T. S. ; LIMA, R. C. G. ; NUNES, R. G.S.; SILVA, J.R.L. ; DE ALMEIDA, L.L. ; KAMDEM, J. P. ; CARVALHO, A. F. U. . Metabolic aspects of phenolic compounds from *Triplaris gardneriana* seeds in the management of oxidative stress. DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, v. 46, p. 1-8, 2020. B1

GOMES, H. O. ; MENEZES, J. M. C. ; DA COSTA, J. G. M. ; COUTINHO, H. D. M. ; TEIXEIRA, R. N. P. ; DO NASCIMENTO, R. F. Evaluating the presence of pesticides in bananas: An integrative review. ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, v. 189, p. 110016, 2020.B1

DOS SANTOS, J.; FREGOLENTE, L. ; MOUNIER, S. ; HAJJOU, H. ; FERREIRA, O. P.; MOREIRA, A. B. ; BISINOTI, M. Fulvic acids from Amazonian anthropogenic soils: Insight into the molecular composition and copper binding properties using fluorescence techniques. ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, v. 205, p. 111173, 2020. B1

SOUZA, M. S. ; ARAÚJO, R. S. ; OLIVEIRA, A. C. . Optimizing reaction conditions and experimental studies of selective catalytic reduction of NO by CO over supported SBA-15 catalyst. ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, v. 27, p. 30649-30660, 2020.B1

VASCONCELOS, P. H.M. ; CAMELO, A.L. M. ; DE LIMA, A. C. A. ; DO NASCIMENTO, H.O. ; VIDAL, C.B. ; DO NASCIMENTO, R. F. ; LOPES, G. S. ; LONGHINOTTI, E. . Chemometric tools applied to optimize a fast solid-phase microextraction method for analysis of polycyclic aromatic hydrocarbons in produced water. ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, v. x, p. 1-10, 2020 B1

BEZERRA, R. M. ; MONTEIRO, R. R. C. ; NETO, D. M. A. ; DA SILVA, F. F. M. ; de Paula, R. C. M. ; DE LEMOS, T. L.G. ; FECHINE, P. B. A. ; CORREA, M. A. ; BOHN, F. ; GONÇALVES, L. R. B. ; DOS SANTOS, J. C. S. A new heterofunctional support for enzyme immobilization: PEI functionalized Fe<sub>3</sub>O<sub>4</sub> MNPs activated with divinyl sulfone. Application in the immobilization of lipase from *Thermomyces lanuginosus*. ENZYME AND MICROBIAL TECHNOLOGY, v. 138, p. 109560, 2020.B1

LIMA, F. C. E. ; DANTAS, D. M. ; Almeida, C. A. S. A new class of solutions of a generalized O(3)-sigma Chern-Simons model. EPL, v. 130, p. 10005, 2020. B1

LIMA, F.C.E ; ALMEIDA, C.A.S, Ring-like vortices in a logarithmic generalized Maxwell theory. EPL. V.131 e31003, 2020. B1

Pitombeira, C.A.; de Freitas, V.D.B. Non-extensive processes associated with heating of the Galactic disc.EPL (Europhysics Letters), Volume 131, Number 6, P. 69002,2020. B1

MAGALHÃES, H. S. ; DA SILVA, A. B. ; NASCIMENTO, N. R. F. ; DE SOUSA, L. G. F. ; DA FONSECA, M. J. S. ; LOIOLA, M. I. B. ; MONTEIRO, N. K. V. ; ALMEIDA NETO, F. W. Q. ; CANUTO, K. M. ; PESSOA, O. D. L.Effect of indole alkaloids from roots of *Rauvolfia ligustrina* in the noradrenergic neurotransmission. FITOTERAPIA, v. xx, p. 104545-yy, 2020. B1

DE FARIAS, V. A.; DA ROCHA LIMA, A. D. ; SANTOS COSTA, A. ; DE FREITAS, C. D. T. ; DA SILVA ARAÚJO, I. M.; DOS SANTOS GARRUTI, D. ; DE FIGUEIREDO, E. A. T.; DE OLIVEIRA, H. D. Noni (*Morinda citrifolia* L.) fruit as a new source of milk-clotting cysteine proteases. *FOOD RESEARCH INTERNATIONAL*, v. 127, p. 108689, 2020.B1

REBOUÇAS, M.C. ; RODRIGUES, M. C.P. ; FERREIRA, B.B.A. ; FREITAS, S.M. . Evaluation of the effect of label attributes over the purchase intention of a cashew nut functional beverage using conjoint analysis. *FOOD SCIENCE AND TECHNOLOGY INTERNATIONAL*, v. 26, p. 108201322094243-8, 2020. B1

CAVALCANTE, T. V.; ARAGÃO, R. F. PATRIMÔNIO CULTURAL RELIGIOSO NA CIDADE DE JUAZEIRO DO NORTE - CEARÁ - BRASIL E A TESE DE TOMBAMENTO AFETIVO EM GEOGRAFIA. *GEO UERJ* (2007), v. 1, p. 1-20, 2020. B1

RANGEL, K. L. ; MEIRELES, A. J. A. Percepção comunitária acerca da mitigação dos impactos socioambientais em um complexo eólico em Icapuí/CE. *Geografar Revista Eletrônica do Programa de Pós-Graduação em Geografia da UFPR*, v. 15, p. 61-81, 2020.B1

BARBOSA, J. M. ; ROCHA, M. S. ; OLIVEIRA, CHRISTIAN D. M. DE . Educação, Corporeidade e Espacialidade: uma perspectiva geográfica sobre os projetos sociais de dança em Fortaleza/CE. *Geografia (Londrina)*, v. 29, p. 247-265, 2020.B1

RAMOS, M. V.; FREITAS, A. P. F. ; LEITÃO, R. F. C. ; COSTA, D. V. S. ; CERQUEIRA, G. S. ; MARTINS, D. S. ; MARTINS, C. S. ; Alencar, N. M. N. ; FREITAS, L. B. N. ; Brito, G. A. C. Anti-inflammatory latex proteins of the medicinal plant *Calotropis procera*: a promising alternative for oral mucositis treatment. *INFLAMMATION RESEARCH*, v. 1, p. 1-16, 2020.B1

DE SOUZA FERREIRA BRINGEL, P. H. ; MARQUES, G. F. O.; DE QUEIROZ MARTINS, M. G. ; DA SILVA, M. T. L. ; NOBRE, C. A. S. ; do Nascimento, K.S. ; Cavada, B. S. ; CASTRO, R. R. ; ASSREUY, A. M. S. The Lectin Isolated from the Alga *Hypnea cervicornis* Promotes Antinociception in Rats Subjected to Zymosan-Induced Arthritis: Involvement of cGMP Signalization and Cytokine Expression. *INFLAMMATION*, v. 43, p. 1446-1454, 2020.B1

PEIXOTO, M. J. P. ; DUARTE, P. A. S. ; ARAÚJO, P. T. ; PINTO, P. I. C. ; SARMENTO, W. W. F. ; TRINTA, F. A. M. ; VIANA, W. Teaching Ubiquitous Computing Using Simulations Based on Smartphone Sensors. *INFORMATICS IN EDUCATION*, v. 19, p. 129-159, 2020.B1

DE SOUSA, D.B., MAIA, P., ROCHA, L.S. ET AL. Studying the evolution of exception handling anti-patterns in a long-lived large-scale project. *J BRAZ COMPUT SOC* 26, 1 (2020). B1

RODRÍGUEZ, B. A. G. ; PÉREZ-CARO, M. ; ALENCAR, R. S. ; SOUZA FILHO, A. G. ; ALBINO AGUIAR, J. Graphene nanoribbons and iron oxide nanoparticles

composite as a potential candidate in DNA sensing applications. JOURNAL OF APPLIED PHYSICS, v. 127, p. 044901, 2020. B1

ARAÚJO, B. S. ; ARÉVALO-LÓPEZ, A. M. ; Santos, C. C. ; ATTFIELD, J. P. ; PASCHOAL, C. W. A. ; AYALA, A. P. Spin-phonon coupling in monoclinic BiCrO<sub>3</sub>. JOURNAL OF APPLIED PHYSICS, v. 127, p. 114102, 2020. B1

CHAVES, A.; MOURA, V. N. ; LINARD, F. J. A. ; Covaci, L. ; MILOŠEVIĆ, M. V. . Tunable magnetic focusing using Andreev scattering in superconductor-graphene hybrid devices. JOURNAL OF APPLIED PHYSICS, v. 128, p. 124303, 2020.B1

DE SOUSA, A. P. ; GONDIM, A. C. S. ; SOUSA, E. H. S. ; DE VASCONCELOS, M. A. ; TEIXEIRA, E. H. ; BEZERRA, B. P. ; AYALA, A. P. ; MARTINS, P. H. R. ; LOPES, L. G. F. ; Holanda, A. K. M. An unusual bidentate methionine ruthenium(II) complex: photo-uncaging and antimicrobial activity. JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY, v. 25, p. 419-428, 2020.B1

SOUSA, E. H. S.; DIÓGENES, I. C. N. ; LOPES, L. G. F. ; MOURA, J. J. G. Potential therapeutic approaches for a sleeping pathogen: tuberculosis a case for bioinorganic chemistry. JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY, v. 25, p. 685-704, 2020. B1

CARVALHO, E. M.; DE FREITAS PAULO, T.F.; SAQUET, A. S.; ABBADI, B. L.; MACCHI, F. S.; BIZARRO, C. V.; DE MORAIS CAMPOS, R.; FERREIRA, T. L. A.; DO NASCIMENTO, N. R.F.; LOPES, L. G. F.; CHAUVIN, R.; SOUSA, E. H. S.; BERNARDES-GÉNISSON, V. Pentacyanoferrate(II) complex of pyridine-4- and pyrazine-2-hydroxamic acid as source of HNO: investigation of anti-tubercular and vasodilation activities. JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY. , v.25, p.887 - 901, 2020. B1

PINTO, V. P. ; GALVÃO, R. K. H. ; RODRIGUES, L. R. ; GOMES, J. P. P. Mission Planning for Multiple UAVs in a Wind Field with Flight Time Constraints. JOURNAL OF CONTROL, AUTOMATION AND ELECTRICAL SYSTEMS, v. pp, p. 1-12, 2020.B1

RIBEIRO, F. W. P. ; DE OLIVEIRA, R. C. ; DE OLIVEIRA, A. G. ; NASCIMENTO, R. F. ; BECKER, H. ; DE LIMA-NETO, P. ; CORREIA, A. N. Electrochemical sensing of thiabendazole in complex samples using boron-doped diamond electrode. JOURNAL OF ELECTROANALYTICAL CHEMISTRY, v. 866, p. 114179, 2020.B1

SANTANDER-NETO, J. ; FARIA, V. V. Sharks and rays caught by a small-scale fisheries in the western equatorial Atlantic. JOURNAL OF APPLIED ICHTHYOLOGY, v. 1, p. 1-4, 2020.B1

SALES, M. A. N. ; FREITAS, J. E. P. ; CAVALCANTE, C. C. ; SANTANDER'NETO, J. ; CHARVET, P. ; FARIA, V. V. The southernmost record and an update of the geographical range of the Atlantic chupare, *Styracura schmardae* (Chondrichthyes: Myliobatiformes). JOURNAL OF FISH BIOLOGY, v. 1, p. 1, 2020.B1

SILVA-ESPINOZA, B. ; PALOMARES-NAVARRO, J. ; TAPIA-RODRIGUEZ, M. ; CRUZ-VALENZUELA, M. R. ; GONZÁLEZ-AGUILAR, G.A. ; SILVA-CAMPA, E. ; Miranda, M. R. A. ; AYALA-ZAVALA, J. F. Combination of ultraviolet light-C and clove essential oil to inactivate Salmonella Typhimurium biofilms on stainless steel. JOURNAL OF FOOD SAFETY, v. 3, p. 1-6, 2020. B1

ALCON, L. ; GRAVIER, S. ; LINHARES SALES, C. ; PROTTI, F. ; RAVENNA, G. On clique-inverse graphs of graphs with bounded clique number. JOURNAL OF GRAPH THEORY, v. 1, p. 1-10, 2020.B1

BEZERRA, F. I. ; DA SILVA, J. H. ; MIGUEL, E. C. ; PASCHOAL, A. R. ; NASCIMENTO, D. R. ; FREIRE, P. T. C. ; VIANA, B. C. ; MENDES, M. Chemical and mineral comparison of fossil insect cuticles from Crato Konservat Lagerstätte, Lower Cretaceous of Brazil. JOURNAL OF IBERIAN GEOLOGY, v. 46, p. 61-76, 2020.B1

HAMALAINEN, J. ; ALENCAR, A. ; KARKKAINEN, T. ; MATTOS, C. L. C. ; SOUZA JUNIOR, A. H. ; GOMES, JOAO PAULO PORDEUS . Minimal Learning Machine: Theoretical Results and Clustering-Based Reference Point Selection. JOURNAL OF MACHINE LEARNING RESEARCH, v. 21, p. 1-29, 2020. B1

SILVEIRA, J. V. ; MORAES, E. C. ; MOURA, J. V. B. ; GHOSH, A. ; SENNA, C. A. ; ARCHANJO, B. S. ; VASCONCELOS, T. L. ; SOUZA FILHO, A. G. ; FREIRE, P. T. C. ; LUZ-LIMA, C. Mo-doped WO<sub>3</sub> nanowires for adsorbing methylene blue dye from wastewater. JOURNAL OF MATERIALS SCIENCE (DORDRECHT. ONLINE), v. 55, p. 6429-6440, 2020.B1

LUCAS DE LIMA, E. ; FITTIPALDI VASCONCELOS, N. ; DA SILVA MACIEL, J. ; KARINE ANDRADE, F. ; SILVEIRA VIEIRA, R. ; ANDRADE FEITOSA, J. P. Injectable hydrogel based on dialdehyde galactomannan and N-succinyl chitosan: a suitable platform for cell culture. JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE (DORDRECHT. ONLINE), v. 31, p. 5, 2020. B1

SOUSA, N. G. ; SALGUEIRA, J. F. S. ; SOUSA, C. P. ; CAMPOS, O. S. ; SALAZAR-BANDA, G. R. ; EGUILUZ, K. I. B. ; DE LIMA-NETO, P. ; CORREIA, A. N. Silver electrodeposition at room temperature protic ionic liquid 1-H-methylimidazolium hydrogen sulfate. JOURNAL OF MOLECULAR LIQUIDS, v. 313, p. 113487, 2020.B1

CAVADA, B. S.; OSTERNE, V. J. S. ; PINTO-JUNIOR, V. R. ; SOUZA, L. A. G.; Lossio, C. F. ; DA SILVA, M. T. L. ; NETO, C. C. ; Oliveira, M. V. ; CORREIA, J. L. A. ; NECO, A. H. B. ; DOMINGOS, J. L. C. ; FERREIRA, W. P. ; FARIAS, G. A. ; NASCIMENTO, K. S. Molecular dynamics and binding energy analysis of Vatairea guianensis lectin: a new tool for cancer studies. JOURNAL OF MOLECULAR MODELING, v. 26, p. 1-9, 2020. B1



CAVADA, BENILDO S.; SILVA, MAYARA T. L. ; OSTERNE, VINICIUS J. S. ; PINTO JUNIOR, VANIR R. ; LOSSIO, CLAUDIA F. ; MADEIRA, JULIANA C. ; PEREIRA, MARIA G. ; LEAL, RODRIGO B. ; FERREIRA, WANDEMBERG P. ; NASCIMENTO, KYRIA S. ; ASSREUY, ANA M. S. . Exploring the carbohydrate-binding ability of lectin in inflammation models. JOURNAL OF MOLECULAR RECOGNITION, v. 33, p. 1-10, 2020. B1

CAVADA, B. S. ; Torquato, M. L. S.; OSTERNE, V. J. S. ; PINTO-JUNIOR, V. R. ; LOSSIO, C. F.; Madeira, J. C. ; Pereira, M. G. ; BAINY LEAL, R ; FERREIRA, W. P. ; NASCIMENTO, K. S. ; ASSEURY, A. M. S. Exploring the carbohydrate-binding ability of *Canavalia bonariensis* lectin in inflammation models. Journal of Molecular Recognition, v. e2870-, p. e2870-1-e2870-10, 2020. B1

MENEZES, J. E. S. A. ; SANTOS, H. S. ; FERREIRA, M. K. A. ; MAGALHÃES, F. E. A. ; DA SILVA, D. S. ; BANDEIRA, P. N. ; SARAIVA, G. D. ; PESSOA, O. D. L. ; Ricardo, N. M. P. S. ; CRUZ, B. G. ; TEIXEIRA, A. M. R. Preparation, structural and spectroscopic characterization of chitosan membranes containing allantoin. JOURNAL OF MOLECULAR STRUCTURE, v. 1199, p. 126968, 2020.B1

ANTUNES, J. A. ; DE TOLEDO, T. A. ; DA SILVA, L. E. ; FREIRE, P. T. C. ; Teixeira, A. M. R. ; Coutinho, H. D. M. ; Faria, J. L. B. ; Ramos, R. J. ; Bento, R. R. F. Characterization of zinc complex with 4-[(1E)-(2-Hydroxyphenyl)methylidene]amino-1,5-dimethyl-2-phenyl-1,2-dihydro-3H-pyrazol-3-one by FT-IR and FT-Raman spectroscopies and DFT calculations. JOURNAL OF MOLECULAR STRUCTURE, v. 1202, p. 127295, 2020. B1

CARVALHO, I. P. ; SOUSA, R. B. ; MATOS, J. M. E. ; MOURA, J. V. B. ; FREIRE, P. T. C. ; PINHEIRO, G. S. ; LUZ-LIMA, C. Low-temperature induced phase transitions in BaWO<sub>4</sub>:Er<sup>3+</sup> microcrystals: A Raman scattering study. JOURNAL OF MOLECULAR STRUCTURE, v. 1204, p. 127498, 2020. B1

GOMES, A. O. C. V. ; BRITO, M. V. ; MARQUES, R. A. ; LIMA, L. B. ; CAVALCANTE, I. M. ; VIEIRA, T. D. N. ; NUNES, F. M. ; LIMA, M. A. S. ; UCHÔA, D. E. ; LIMA, C. S. ; SILVA, G. S. ; CANDIDO JÚNIOR, J. R. ; LIMA NETO, P. ; MATTOS, M. C. ; DE OLIVEIRA, F. L. S. ; ZANATTA, G.; OLIVEIRA, M. C.F. Multi-step bioconversion of annonalide by *Fusarium oxysporum* f. sp. *tracheiphilum* and theoretical investigation of the decarboxylase pathway. JOURNAL OF MOLECULAR STRUCTURE, v. 1204, p. 127514, 2020.B1

DA SILVA FILHO, J. G. ; Saraiva, G. D. ; DE CASTRO, A. J. R. ; NETO, V. O. S.; SARAIVA-SOUZA, A. ; Silva, C. B. ; Lima, J. A. ; Teixeira, A. M. R. ; Freire, P. T. C. ; PARAGUASSU, W. ; de Sousa, F. F. Vibrational spectroscopy study and ab initio calculation on ZnMoO<sub>4</sub> system. JOURNAL OF MOLECULAR STRUCTURE, v. 1206, p. 127776, 2020. B1

NOGUEIRA, C. E. S. ; DE OLIVEIRA, M. M. ; TEIXEIRA, A. M. R. ; BANDEIRA, P. N. ; DOS SANTOS, H. S. ; Ayala, A. P. ; BEZERRA, B. P. ; BARRETO, A. C. H. ; FREIRE, P. T. C. Crystal structure, FT-Raman and FTIR spectra and DFT calculations

of chalcone (2E)-1-(4-aminophenyl)-3-(furan-2-yl)prop-2-en-1-one monohydrate. JOURNAL OF MOLECULAR STRUCTURE, v. 1212, p. 128141, 2020. B1

GARCIA, T.R; DE FREITAS, T.S; DOS SANTOS, H.S; BANDEIRA, P.N; JULIAO, M.S.S; ROCHA, J.E; NOGUEIRA, C.E.S; PEREIRA, R.L.S; BARRETO, A.C.H; FREIRE, P.T.C ; COUTINHO, H.D.M; TEIXEIRA, A.M.R., Structural, vibrational and electrochemical analysis and antibiotic activity study of chalcone (2E)-1-(3',-methoxy-4',-hydroxyphenyl)-3-(3-nitrophenyl)prop-2-en-1-one; JOURNAL OF MOLECULAR STRUCTURE – V.1216, 128358, 2020. B1

ALMEIDA-NETO, F. W. Q. ; DA SILVA, L. P. ; FERREIRA, M. K. A. ; MENDES, F. R. S. ; DE CASTRO, K. K. A. ; BANDEIRA, P. N. ; DE MENEZES, J. E. S. A. ; DOS SANTOS, H. S. ; Monteiro, N. K. V. ; MARINHO, E. S. ; DE LIMA-NETO, P. Characterization of the structural, spectroscopic, nonlinear optical, electronic properties and antioxidant activity of the N-{4?-(E)-3-(Fluorophenyl)-1-(phenyl)-prop-2-en-1-one]}-acetamide. JOURNAL OF MOLECULAR STRUCTURE, v. 1220, p. 128765-16, 2020.B1

XAVIER, J. . ; ALMEIDA-NETO, F. W. Q. ; DA SILVA, P. T. ; DE SOUSA, A.P.; MARINHO, E. S. ; MARINHO, M.M. ; ROCHA, J.E. ; FREITAS, P. R. ; DE ARAÚJO, A. C. J. ; FREITAS, T.S. ; NOGUEIRA, C. E. S. ; DE LIMA-NETO, P. ; BANDEIRA, P. N. ; TEIXEIRA, A. M. R. ; COUTINHO, H. D. M. ; DOS SANTOS, H. S. . Structural characterization, DFT calculations, ADMET studies, antibiotic potentiating activity, evaluation of efflux pump inhibition and molecular docking of chalcone (E)-1-(2-hydroxy-3,4,6-trimethoxyphenyl)-3-(4-methoxyphenyl)prop-2-en-1-one. JOURNAL OF MOLECULAR STRUCTURE, v. 1227, p. 129692, 2020. B1

LIMA, P. G. ; SOUZA, P. F. N. ; FREITAS, C. D. T. ; OLIVEIRA, J. T. A. ; DIAS, L. P. ; NETO, J. X. S. ; Vasconcelos, I. M. ; LOPES, J. L. S. ; SOUSA, D. O. B. Anticandidal activity of synthetic peptides: Mechanism of action revealed by scanning electron and fluorescence microscopies and synergism effect with nystatin. JOURNAL OF PEPTIDE SCIENCE, v. x, p. e3249-23, 2020. B1

OLIVEIRA, R. R. S.; ARAÚJO FILHO, A. A. ; MALUF, R. V. ; Almeida, C. A. S. The relativistic Aharonov-Bohm-Coulomb system with position-dependent mass. Journal of Physics A-Mathematical and Theoretical, v. 53, p. 045304, 2020. B1

SANTOS, C.A.A.S. ; LIMA, R.J.C. ; FILHO, P.F. FAÇANHA ; SANTOS, A.O. DOS ; LIMA, J.A. ; FREIRE, P.T.C. Low-wavenumber Raman spectra of l-tyrosine, l-tyrosine hydrochloride, and l-tyrosine hydrobromide crystals at high temperatures. JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, v. 136, p. 109129, 2020.B1

LAVOR, I. R. ; DA COSTA, D. R. ; Chaves, A ; Farias, G. A.; MACÊDO, R. ; Peeters, F. M. Magnetic field induced vortices in graphene quantum dots. JOURNAL OF PHYSICS-CONDENSED MATTER, v. 32, p. 155501, 2020. B1

ARAÚJO, F. R. V.; DA COSTA, D. R. ; NASCIMENTO, A. C. S. ; PEREIRA, J. M. Current modulation in graphene p-n junctions with external fields. JOURNAL OF PHYSICS-CONDENSED MATTER, v. 32, p. 425501, 2020. B1

REZENDE, MVD ; PASCHOAL, CWA ; VALERIO, MEG ; JACKSON, RA; Computer modelling of Bi<sub>12</sub>SiO<sub>20</sub> and Bi<sub>4</sub>Si<sub>3</sub>O<sub>12</sub>: Intrinsic defects and rare earth ion incorporation . JOURNAL OF SOLID STATE CHEMISTRY.V. 292. e 121608,2020. B1

REZENDE, MVD ; PASCHOAL, CWA ; VALERIO, MEG ; JACKSON, RA; Computer modelling of Bi<sub>12</sub>SiO<sub>20</sub> and Bi<sub>4</sub>Si<sub>3</sub>O<sub>12</sub>: Intrinsic defects and rare earth ion incorporation . JOURNAL OF SOLID STATE CHEMISTRY.V. 292. e 121608,2020. B1

VILLADA, J.D., CHRISTIAN C. CARMONA-VARGAS,C.C.; ELLENA, J.; AYALA,A.P.;RAMIREZ-PRADILLA,J.S.; COMBARIZA,M.Y.; GALARZA, E.;D'VRIES,R.F.; N.CHAUR, M. Synthesis, characterization, and redox potential properties of a new double-stranded Ni-bis(hydrazone)-based helicate. JOURNAL OF SOLID STATE CHEMISTRY . VOL. 292, e 121692, 2020.B1

AQUINO, J. M. ; TANIGUCHI, C. A. K. ; MAGINI, C. ; BERNI, G. V. . The potential of alkaline rocks from the Fortaleza volcanic province (Brazil) as natural fertilizers. JOURNAL OF SOUTH AMERICAN EARTH SCIENCES, v. 103, p. 102800, 2020. B1

UCHOA, E. B. ; SILVA, N. C. V. ; MAGINI, C. ; CASTELO BRANCO ; FUCK, R. A. . Magnetotelluric transect across the São Luís cratonic fragment, the Gurupi belt and the Parnaíba basin, N-NE Brazil. JOURNAL OF SOUTH AMERICAN EARTH SCIENCES, v. 104, p. 102888, 2020.B1

SANTOS FILHO, F. F. B. ; MAGINI, C. ; CASTELO BRANCO, R. M. G. . The architecture of the Eopaleozoic Cococi Basin, northeastern Brazil: 2D geological modelling from magnetic and gravimetric data. JOURNAL OF SOUTH AMERICAN EARTH SCIENCES, v. 106, p. 1-15, 2020.B1

SOUZA, A. C. B. ; NASCIMENTO, D.R., Jr. ; BATEZELLI, A. ; OLIVEIRA, K. M. L. ; ALMEIDA, N. M. ; NEPOMUCENO FILHO, F. ; NORMANDO, M. N. ; BARBOSA, T. H. S. . Geochemical constraints on the origin and distribution of Cretaceous source rocks in the Ceará basin, Brazilian Equatorial margin. JOURNAL OF SOUTH AMERICAN EARTH SCIENCES, v. 107, p. 103092, 2020.B1

VIEIRA, ANDRÉ P ; GOLES, ERIC ; HERRMANN, HANS J . Dynamics of extended Schelling models. JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT, v. 2020, p. 013212, 2020. B1

CORREIA, A.; DE OLIVEIRA, R. ; SOUSA, C. P. ; MORAIS, S. ; DE LIMA-NETO, P. Polyethylenimine-multi-walled carbon nanotubes/glassy carbon electrode as an efficient sensing platform for promethazine. JOURNAL OF THE ELECTROCHEMICAL SOCIETY, v. 167, p. 107506, 2020.B1

MATOS, A. S. ; MATTHEWS CASCON, HELENA ; CHAPARRO, O. R. . Morphometric analysis of the shell of the intertidal gastropod *Echinolittorina lineolata* (d'Orbigny, 1840) at different latitudes along the Brazilian coast. JOURNAL OF THE MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM, v. 100, p. 725-731, 2020. B1

ALMEIDA, T. S. ; ARANTES, M. R. ; LOPES NETO, J. J. ; SOUZA, T. M. ; PESSOA, I. P. ; MEDEIROS, J. L. ; TABOSA, P. M. S. ; MOREIRA, T. B. ; FARIAS, D. F. ; CARVALHO, A. F. U. Evaluation of seeds ethanolic extracts of *Triplaris gardneriana* Wedd. using *in vitro* and *in vivo* toxicological methods. JOURNAL OF TOXICOLOGY AND ENVIRONMENTAL HEALTH-PART A-CURRENT ISSUES, v. 83, p. 1-18, 2020.B1

MORAIS, P. C. V. ; LIMA, M. F . B. ; MARTINS, D. A. ; FONTENELE, L. G. ; LIMA, J. L. R. ; DA SILVA, Í. B. ; PINHEIRO, L. S. ; Nascimento, R. F. ; CAVALCANTE, R. M. ; MARQUES, E. V. Use of an environmental diagnostic study on a coastal lagoon as a decision support tool for environmental management policies in a coastal zone. MANAGEMENT OF ENVIRONMENTAL QUALITY, v. 31, p. 167-184, 2020.B1

ROCHA, D. R.; NERY, J. F.; FURINI, L. N. ; CONSTANTINO, C. J. L.; ELLER, L. K. W.; NAI, G. A. ; NAKAGAKI, W. R. Effects of consumption of contaminated feed with 2,4-dichlorophenoxyacetic acid (2,4-D) on the rat tibia: analysis by Raman spectroscopy and mechanical properties. LASERS IN MEDICAL SCIENCE, v. 36, p. 1-7, 2020. B1

Oliveira, S. M. F.; Carvalho Sousa, L. L. ; Vidal, C. A. ; Cavalcante Neto, J. B.. A Locally-Continuous Meshless Local Petrov-Galerkin Method Applied to a Two-point Boundary Value Problem. Latin American Journal of Solids and Structures. v. 17, p. 1-21, 2020. B1

MARCILON, THIAGO ; MARTINS, NICOLAS ; Sampaio, Rudini. Hardness of some variants of the graph coloring game. Em: Latin American Theoretical Informatics Symposium (LATIN), 2020.

Qualis: B1

VASCONCELOS, S.J.T. ; Silva, M.A.S. ; OLIVEIRA, R.G.M. ; JUNIOR, M.H. BEZERRA ; DE ANDRADE, H.D. ; JUNIOR, I.S. QUEIROZ ; SINGH, C. ; Sombra, A.S.B. . High thermal stability and colossal permittivity of novel solid solution LaFeO<sub>3</sub>/CaTiO<sub>3</sub>. MATERIALS CHEMISTRY AND PHYSICS, v. 257, e123239, 2020.B1

FURINI, L. N.; COSTA, G. ; JOSÉ LEOPOLDO CONSTANTINO, C. ; ALESSIO, P. pH-responsive Ag@PAH nanoparticles applied in SERS. MATERIALS LETTERS, v. 1, p. 128346, 2020.B1

PEREIRA, S. A. ; DOS SANTOS, S. B. F. ; RODRIGUES, F. A. M. ; FECHINE, L. M. U. D. ; VIEIRA, I. G. P. ; DENARDIN, J. C. ; ARANEDA, F. ; RIBEIRO, M. E. N. P. ; GRAMOSA, N. V. ; Ricardo, Nágila M.P.S. Hydroxyethyl starch nanocapsules by multiple nanoemulsions for carrying and controlled release of lapachol. MATERIALS LETTERS, v. 274, p. 127983, 2020.B1

CÂMARA, G. I. F. ; MENEZES, M. L. L. R. ; VASCONCELOS, N. F. ; FECHINE, P. B. A. ; MATTOS, A. L. A. ; DE FREITAS ROSA, M. ; DE SÁ MOREIRA DE SOUZA FILHO, M. Biocomposite based on nanoscale calcium phosphate and collagen from Nile tilapia (*Oreochromis niloticus*) skin: properties and morphological features. MATERIALS LETTERS, v. x, p. 128441-xx, 2020.B1

Silva, R. X. ; NONATO, A. ; MOREIRA, R. L. ; Almeida, R. M. ; Paschoal, C. W. A. High-temperature structural phase transition and infrared dielectric features of La<sub>2</sub>CoMnO<sub>6</sub>. MATERIALS RESEARCH BULLETIN, v. 129, p. 110878, 2020.B1

ABRAHAM-MIRANDA, J. ; GARNERO, C. ; ZOPPI, A. ; CHATTAH, A. K. ; STERREN, V. B. ; DE OLIVEIRA, Y. S. ; Ayala, A. P. ; LONGHI, MARCELA R. Evaluating ternary systems with oligosaccharides as a strategy to improve the biopharmaceutical properties of furosemide. Materials Science & Engineering C-Materials for Biological Applications, v. 111, p. 110793, 2020. B1

SALES, D. ; MARQUES, T. M. F. ; GHOSH, A. ; GUSMÃ ; VASCONCELOS, T. L. ; LUZ-LIMA, C. ; Ferreira, O. P. ; HOLLANDA, L. M. ; LIMA, I. S. ; SILVA-FILHO, E. C. ; DITZ, D. ; LOBO, A. O. ; Viana, B. C. Synthesis of silver-cerium titanate nanotubes and their surface properties and antibacterial applications. Materials Science & Engineering C-Materials for Biological Applications, v. 115, p. 111051, 2020. B1

SANTOS, VALDENICE F. ; ARAÚJO, ANA C.J. ; FREITAS, PRISCILLA R. ; SILVA, ANA L.P. ; SANTOS, ANA L.E. ; MATIAS DA ROCHA, BRUNO ANDERSON ; SILVA, ROMÉRIO R.S. ; ALMEIDA, DNANE V. ; Garcia, Wanius ; COUTINHO, HENRIQUE D.M. ; TEIXEIRA, CLAUDENER S. . Enhanced antibacterial activity of the gentamicin against multidrug-resistant strains when complexed with *Canavalia ensiformis* lectin. MICROBIAL PATHOGENESIS, v. XX, p. 104639, 2020. B1

DA SILVA SOUZA, BRUNA ; SALES, ANA CLARA SILVA ; DA SILVA, FRANCISCA DAYANE SOARES ; DE SOUZA, THALIS FERREIRA ; TEIXEIRA DE, CLEVERSON DINIZ ; VASCONCELOS, DANIEL FERNANDO PEREIRA ; DE OLIVEIRA, JEFFERSON SOARES . Latex Proteins from *Plumeria pudica* with Therapeutic Potential on Acetaminophen-Induced Liver Injury. MINI-REVIEWS IN MEDICINAL CHEMISTRY, v. 20, p. x-x, 2020. B1

BALTAZAR, H. ; BARROS, A. ; BATISTA, R. ; VIANA, E. On static manifolds and related critical spaces with zero radial Weyl curvature. MONATSHEFTE FÜR MATHEMATIK. v. 191, p. 449-463, 2020. B1

DE MIRANDA, J. A. L. ; MARTINS, C. S. ; FIDELES, L. S. ; BARBOSA, M. L. L. ; BARRETO, J. E. F. ; PIMENTA, H. B. ; FREITAS, F. O. R. ; PIMENTEL, P. V. S. ;

TEIXEIRA, C. S. ; SCAFURI, A. G. ; DOS SANTOS LUCIANO, M. C. ; ARAÚJO, J. L. ; ROCHA, J. A. ; VIEIRA, I. G. P. ; RICARDO, N. M. P. S. ; DA SILVA CAMPELO, M. ; RIBEIRO, M. E. N. P. ; DE CASTRO BRITO, G. A. ; CERQUEIRA, G. S. Troxerutin Prevents 5-Fluorouracil Induced Morphological Changes in the Intestinal Mucosa: Role of Cyclooxygenase-2 Pathway. PHARMACEUTICALS, v. 13, p. 10, 2020. B1

ARAÚJO, T. S. L. ; DE OLIVEIRA, T. M. ; DE SOUSA, N. A. ; SOUZA, L. K. M. ; SOUSA, F. B. M. ; DE OLIVEIRA, A. P. ; NICOLAU, L. A. D. ; DA SILVA, A. A. V. ; ARAÚJO, A. R. ; MAGALHÃES, P. J. C. ; VASCONCELOS, D. F. P. ; DE JONGE, H. R. ; SOUZA, M. H. L. P. ; SILVA, D. A. ; Paula, R. C. M. ; MEDEIROS, J. V. R. Biopolymer Extracted from Anadenanthera colubrina (Red Angico Gum) Exerts Therapeutic Potential in Mice: Antidiarrheal Activity and Safety Assessment. PHARMACEUTICALS, v. 13, p. 17, 2020.B1

DE SOUZA, C. M. ; GARCIA, M. T. ; DE BARROS, P. P. ; PEDROSO, L. L. C. ; WARD, R. A. C. ; STRIXINO, J.F.; MELO, V. M. M. ; JUNQUEIRA, J. C. . Chitosan enhances the Antimicrobial Photodynamic Inactivation mediated by Photoditazine® against Streptococcus mutans. Photodiagnosis and Photodynamic Therapy, v.32, e 102001, 2020. B1

SILVA, J.E.G; FURTADO, J; SANTIAGO, T.M; RAMOS, A.C.A; DA COSTA, D.R., Electronic properties of bilayer graphene catenoid bridge. PHYSICS LETTERS A. v. 384, 126458 , 2020. B1

MENDES, J.W. S.; CUNHA, W.E.M.; GALVAO R.F.F.; SILVEIRA, E.R.; LIMA, R.D.P.; COSTA, J.G.M. Cissampelos genus: biological activities, ethnobotanical and phytochemical aspects. PHYTOCHEMISTRY REVIEWS, Volume: 19, Edição: 4, Páginas: 2020 ,955-982 . B1

Lima, V ; Melo, IM ; Taira, TM ; Buitrago, LYW ; Fonteles, CSR ; Leal, LKAM ; Souza, ASD ; Almeida, TS ; da Costa, RN Moraes, MO ; Cunha, FQ ; Fukada, SY; Uncaria tomentosa reduces osteoclastic bone loss in vivo.PHYTOMEDICINE. V. 79, e153327, 2020. B1

RODRIGUES, JESSICA ANDREZA OLIVEIRA ; OLIVEIRA NETO, JOÃO GOMES DE ; DA SILVA DE BARROS, ALINE OLIVEIRA ; Ayala, Alejandro Pedro ; SANTOS-OLIVEIRA, RALPH ; DE MENEZES, ALAN SILVA ; DE SOUSA, FRANCISCO FERREIRA . Copper(II):phenanthroline complexes with l-asparagine and l-methionine: Synthesis, crystal structure and in-vitro cytotoxic effects on prostate, breast and melanoma cancer cells. POLYHEDRON, v. 191, p. 114807, 2020. B1

SILVEIRA, S. R.; COELHO, R. A. ; SOUSA, B. F. ; OLIVEIRA, J. S. ; LOPEZ, L. M. I. ; LIMA-FILHO, J. V. M. ; ROCHA JÚNIOR, P. A. V.; SOUZA, D. P. ; FREITAS, C. D. T. ; Ramos, M. V. Standardized production of a homogeneous latex enzyme source overcoming seasonality and microenvironmental variables. PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, v. x, p. 1-11, 2020.B1

ALBUQUERQUE, R. ; SÁ, SAMY ; ALCÂNTARA, J.. Semantics Hierarchy in Preference-Based Argumentation Frameworks. Em: Proceedings of COMMA 2020, v. 326, p. 339-346, 2020.

Qualis: B1

CAVADA, B. S.; PINTO-JUNIOR, V. R. ; OSTERNE, V. J. S.; LOSSIO, C. F. ; SILVA, M. T. L. ; Correia, J. L. A. ; CORREIA, S. E. G. ; Nagano, C. S. ; OLIVEIRA, M. V. ; LIMA, L. D. ; VITAL, A. P. M. S. ; Leal, R. B. ; Nascimento, K. S. A Diocleinae type II lectin from *Dioclea lasiophylla* Mart. Ex Benth seeds specific to  $\alpha$ -lactose/GalNAc. PROCESS BIOCHEMISTRY, v. 93, p. 104-114, 2020.

B1

SANTOS, A. L. E. ; JÚNIOR, C. P. S. ; NETO, R. N. M. ; SANTOS, M. H. C. ; SANTOS, V. F. ; Rocha, B. A. M. ; SOUSA, E. M. ; CARVALHO, R. C. ; MENEZES, I. R. A. ; OLIVEIRA, M. R. C. ; DANTAS, L. B. R. ; SILVA, T. M. ; TEIXEIRA, C. S. Machaerium acutifolium lectin inhibits inflammatory responses through cytokine modulation. PROCESS BIOCHEMISTRY, v. 97, p. 149-157, 2020.

B1

CARNEIRO, ROMULO F. ; AGUIAR, EVELYN S. ; SANTOS, VALDENICE F. ; SANTOS, ANA L.E. ; SANTOS, MARIA H.C. ; ROMA, RENATO R. ; SILVA, ROMERIO R.S. ; LEAL, MARIA L.M.B. ; SILVA, LÍVIA T. ; Rocha, Bruno A.M. ; SILVA, CLÁUDIO G.L. ; NAGANO, CELSO S. ; SAMPAIO, Alexandre H. ; SOUZA, RACQUEL O.S. ; TEIXEIRA, CLAUDENER S. . Elucidation of the primary structure and molecular modeling of *Parkia pendula* lectin and in vitro evaluation of the leishmanicidal activity. PROCESS BIOCHEMISTRY, p. 1-10, 2020. B1

DA SILVA, L. R. R. ; AVELINO, F. ; DIOGENES, O. B. F. ; SALES, V. O. F. ; DA SILVA, K. T. ; ARAUJO, W. S. ; MAZZETTO, S. E. ; LOMONACO, D. Development of BPA-free anticorrosive epoxy coatings from agroindustrial waste. PROGRESS IN ORGANIC COATINGS, v. 139, p. 105449, 2020. B1

COSTA, P. P. C. ; CAMPOS, R. ; CABRAL, P. H. B. ; GOMES, V. M. ; SANTOS, C. F. ; WALLER, S. B.; DE SOUSA, E. H. S. ; DE FRANÇA LOPES, L. G. ; FONTELES, M. C. ; DO NASCIMENTO, N. R. F. Antihypertensive potential of cis-[Ru(bpy)2(ImN)(NO)]<sup>3+</sup>, a ruthenium-based nitric oxide donor. RESEARCH IN VETERINARY SCIENCE, v. 130, p. 153-160, 2020. B1

SILVA NETO, J. A. ; SALES, M. C. L. Considerações sobre a aplicabilidade da classificação climática de thornthwaite no contexto semiárido do nordeste brasileiro: estudo de caso da serra de baturité e seu entorno.. REVISTA BRASILEIRA DE CLIMATOLOGIA, v. 26, p. 833-853, 2020. B1

DA SILVA NETO, C. A. ; DUARTE, C. R. ; SILVA SOUTO, M. V. ; FREIRES, E. V. ; NUNES DE SOUSA, W. R. ; DA SILVA, M. T. Caracterização dos setores erosivos e deposicionais da linha de costa de Icapuí (CE) com base em produtos de

sensoriamento remoto e técnicas de geoprocessamento. REVISTA BRASILEIRA DE GEOGRAFIA FÍSICA, v. 13, p. 143-155, 2020.B1

FREIRES, E. V. ; SILVA NETO, C. A. ; DUARTE, C. R. ; VERISSIMO, C. U. V. ; Gomes, D. D. M. ; Souza, E. P. A. ; SILVA, M. T. Influência de lineamentos estruturais no desencadeamento dos movimentos de massa no maciço de Uruburetama, Ceará. REVISTA BRASILEIRA DE GEOGRAFIA FÍSICA, v. 13, p. 1294-1308, 2020.B1

Pessoa, A. C. C. ; SILVA NETO, C. A. ; SABADIA, J. A. B. ; DUARTE, C. R. ; Machado, F. P. ; VERISSIMO, C. U. V. Aproveitamento dos rejeitos das indústrias de calcinação de calcário na porção setentrional do estado do Ceará com foco na reparação de dano ambiental. REVISTA BRASILEIRA DE GEOGRAFIA FÍSICA, v. 13, p. 1309-1323, 2020.B1

PINHEIRO, L. F. ; ALVES, J. C. ; XAVIER, S. A. S. ; CAVALCANTE, A. V. ; LOIOLA, M. I. B. Diversidade de Lianas e Trepadeiras do Parque Nacional de Ubajara, Ceará, Brasil. REVISTA BRASILEIRA DE GEOGRAFIA FÍSICA, v. 13, p. 1675-1687, 2020.B1

COSTA, I. S. C. ; COUTINHO, ÍTALO C. ; BONILLA, O. H. ; LUCENA, E. M. . Environmental Influence on the Leaf Morphoanatomical Characteristics of *Myrcia splendens* (Sw.) DC. (Myrtaceae). REVISTA BRASILEIRA DE GEOGRAFIA FÍSICA, v. 13, p. x-xx, 2020. B1

GURGEL-LOURENÇO, R. C. ; PINTO, L. M. ; BEZERRA, L. A. V. ; SÁNCHEZ-BOTERO, J. I. Has a non-native cichlid of the genus *Amatitlania* (Actinopterygii, Cichlidae) adapted to the headwaters in Brazilian semi-arid?. RIVER RESEARCH AND APPLICATIONS, v. 36, p. 1-7, 2020.B1

BENTO, L. R. ; MELO, C. A.; FERREIRA, O. P. ; MOREIRA, A. B. ; MOUNIER, S. ; PICCOLO, A. ; SPACCINI, R. ; BISINOTI, M. Humic extracts of hydrochar and Amazonian Dark Earth: Molecular characteristics and effects on maize seed germination. SCIENCE OF THE TOTAL ENVIRONMENT, v. 708, p. 135000, 2020. B1

DOS SANTOS, J.; Fregolente, L. G. ; MOREIRA, A. B. ; FERREIRA, O. P. ; MOUNIER, S. ; VIGUIER, B. ; HAJJOU, H.; BISINOTI, M. Humic-like acids from hydrochars: Study of the metal complexation properties compared with humic acids from anthropogenic soils using PARAFAC and time-resolved fluorescence. SCIENCE OF THE TOTAL ENVIRONMENT, v. 722, p. 137815, 2020. B1

MONTEIRO, D., MAIA, P.H.M., ROCHA, L.S. ET AL. Building orchestrated microservice systems using declarative business processes. SOCA (SERVICE ORIENTED COMPUTING AND APPLICATIONS) 14, 243–268 (2020). B1

SARAIVA, G.D.; SILVA FILHO, J.G.; SARAIVA-SOUZA, A.; CATRO A.J.R.; TEIXEIRA, A.M.R.; LIMA, C.L.; OLIVEIRA, F.G.S.; SOUSA NETO, V.O.; FREIRE, P.T.C.; DE SOUSA, F.F. Temperature dependence Raman spectroscopy and DFT calculations of Bi-2(MoO<sub>4</sub>)<sub>3</sub> SPECTROCHIMICA ACTA PART A-MOLECULAR



AND BIOMOLECULAR SPECTROSCOPY - Volume: 224 - Número do artigo: 117340 ,2020. B1

SILVA, C.B. ; DA SILVA FILHO, J.G. ; PINHEIRO, G.S. ; TEIXEIRA, A.M.R.; DE SOUSA, F.F. ; FREIRE, P.T.C. . High-pressure studies on l,l-dileucine crystals by Raman spectroscopy and synchrotron X-ray diffraction combined with DFT calculations. SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, v. 229, p. 117899, 2020.B1

VICTOR, F. M. S. ; RÊGO, F. S. C. ; DE PAIVA, F. M. ; DOS SANTOS, A. O. ; Polian, A. ; FREIRE, P. T.C. ; LIMA, J. A. ; FILHO, P. F. F. Pressure-induced phase transitions in DL-glutamic acid monohydrate crystal. SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, v. 230, p. 118059, 2020. B1

Saraiva, G. D. ; PARAGUASSU, W. ; DE CASTRO, A. J. R. ; de Sousa, F. F. ; DA SILVA FILHO, J. G. ; NETO, V. O. S.; Lima, J. A. ; Teixeira, A. M. R. ; Freire, P. T. C. Lattice dynamics calculations and high-pressure Raman spectra of the ZnMoO<sub>4</sub>. SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, v. 239, p. 118501, 2020. B1

GOMES, E. J. ; Lima, J. A. ; Freire, P. T. C. ; PINHEIRO, G. S. ; de Sousa, F. F. ; REMÉDIOS, C. M. R. Effect of Fe (III) on L-asparagine monohydrate investigated under low- and high-temperature conditions. SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, v. 241, p. 118643, 2020. B1

HOLANDA, ROCICLER O. ; DA SILVA, CRISTIANO B. ; VASCONCELOS, DANIEL L.M. ; FREIRE, PAULO T.C. . High pressure Raman spectra and DFT calculation of glyphosate. SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, v. 242, p. 118745, 2020.B1

VASCONCELOS, DLM; DE SOUSA, FF; DA SILVA, JG; TEIXEIRA, AMR; FACANHA, PF; RIBEIRO, PRS; FREIRE, PTC., Raman spectroscopy of captopril crystals under low-temperature conditions. SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY. V.243, e 118734,2020. B1

CHAVES, N. L. ; AZEVEDO, C. L. N. ; LABRA, F. V. ; Nobre, J. S. A log Birnbaum-Saunders regression model based on the skew-normal distribution under the centred parameterization. STATISTICS AND ITS INTERFACE, v. 13, p. 335-346, 2020. B1

ARANTES, M. ; PEIJNENBURG, A. ; HENDRIKSEN, P. J. M. ; STOOPEN, G. ; ALMEIDA, T. S. ; SOUZA, T. M. ; Farias, D. F. ; CARVALHO, A. F. U. ; ROCHA, T. M. ; LEAL, L. K. A. M.; VASCONCELOS, I. M. ; OLIVEIRA, J. T. A. In vitro toxicological characterisation of the antifungal compound soybean toxin (SBTX). TOXICOLOGY IN VITRO, v. 9, p. 104824, 2020.B1

IBIAPINA, D. S. ; DIOGENES, L.M. ; BRANCO, V. T. F.C. ; FREITAS, S. M. . Análise estatística da qualidade das medidas das propriedades de forma de agregados com o uso do processamento digital de imagens (pdi). transportes (Rio de Janeiro), 2020.B1

LUAN LIMA, ANDERSON UCHÔA, CARLA ILANE MOREIRA BEZERRA, EMANUEL COUTINHO, LINCOLN ROCHA. Visualizing the Maintainability of Feature Models in SPLs. VEM 2020, (2020). B1

Dias, DF ; Sasaki, JM; A study on the limit of application of kinematical theory of X-ray diffraction.

ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS - Volume: 235 - Edição: 11 - Páginas: 523-531, 2020. B1

BARROSO, C. X. ; PEREIRA DE FREITAS, J. E. ; MATTHEWS-CASCON, H. ; ARRUDA BEZERRA, L. E. ; da Cruz

MATIAS, C. S. L. ; MORAIS, D. H. ; Ávila, R. W. *Physaloptera nordestina* n. sp. (Nematoda: Physalopteridae) parasitizing snakes from Northeastern Brazil. ZOOTAXA (ONLINE), v. 4766, p. 173-180, 2020.B1

ÁVILA, ROBSON WALDEMAR; MORAIS, DRAUSIO HONORIO ; PEREZ, RENATA ; PANSONATO, ANDRÉ ; DE CARVALHO, VINICIUS TADEU ; ROJAS, ROMMEL R. ; GORDO, MARCELO ; FARIAS, IZENI PIRES . <p>A new species of the *Rhinella* margaritifera (Laurenti 1768) species group (Anura, Bufonidae) from southern Brazilian Amazonia</strong></p>. ZOOTAXA (ONLINE), v. 4868, p. 368-388, 2020. B1

FERREIRA-SILVA, CRISTIANA ; ALCANTARA, EDNA P. ; Ávila, Robson W. ; SILVA, REINALDO J. . A new species of *Hastospiculum* Skrjabin (Spirurida: Diplotriaeidae) parasite of *Xenodon merremii* (Walger in Spix) (Serpentes: Dipsadidae) from Northeastern Brazil</strong>. ZOOTAXA (ONLINE), v. 4878, p. 362-374, 2020. B1

## **QUALIS B2**

DE OLIVEIRA, F. F. ; MOURA, K. O. ; COSTA, L. S. ; VIDAL, C. B. ; Loiola, A. R. ; DO NASCIMENTO, R. F. Reactive Adsorption of Parabens on Synthesized Micro- and Mesoporous Silica from Coal Fly Ash: pH Effect on the Modification Process. ACS Omega, v. 5, p. 3346-3357, 2020.B2

LIMA, I. A. ; Parteli, E. J. R. ; SHAO, Y.; Andrade, J. S. ; Herrmann, H. J. ; Araújo, A. D. CFD simulation of the wind field over a terrain with sand fences: Critical spacing for the wind shear velocity. Aeolian Research, v. 43, p. 100574, 2020. B2

BATISTA, M. E.P. ; KUNZMANN, L. ; SÁ, A.A.; SARAIVA, A. A. F. ; LOIOLA, M.I. B. . A new species of *Brachyphyllum* from the Crato formation (lower cretaceous), Araripe basin, Brazil. AMEGHINIANA, v. 57, p. 519-533, 2020,B2

SANTOS, L. C. ; NASCIMENTO, W. M. ; MATOS, H. S. ; PINHEIRO, A. P. ; SILVA, J. R. F. The distribution of the freshwater crab *Fredius reflexifrons* (Ortmann, 1897) (*Brachyura*, *Pseudothelphusidae*) in an Environmental Protection Area of the Planalto da Ibiapaba, Northeastern Brazil. ANAIS DA ACADEMIA BRASILEIRA DE CIÊNCIAS (ONLINE), v. 92, p. 1-6, 2020. B2

RIBEIRO, V. H. V. ; COUTINHO, I. A. C. ; ALENCAR, B. T. B. ; CABRAL, C. M. ; SANTOS, J. B. ; FERREIRA, E. A. ; FRANCINO, D. M. T. . Morphoanatomical injuries in *Pistia stratiotes* L. (*Araceae*) as a result of exposure to clomazone in water. ANAIS DA ACADEMIA BRASILEIRA DE CIÊNCIAS (ONLINE), v. 92, p. e20180519, 2020.B2

RICARTE, L. P. ; BEZERRA, G. P. ; ROMERO, N. R. ; SILVA, H. C.; LEMOS, T. L. G. ; ARRIAGA, A. M. C. ; ALVES, P. B. ; SANTOS, M. B. ; MILITÃO, G. C. G. ; SILVA, T. D. S. ; BRAZ FILHO, R. ; SANTIAGO, G. M. P. Chemical composition and biological activities of the essential oils from *Vitex-agnus castus*, *Ocimum campechianum* and *Ocimum carnosum*. ANAIS DA ACADEMIA BRASILEIRA DE CIÊNCIAS (ONLINE), v. 92, p. e20180569, 2020. B2

FREITAS, L. C. ; RASNITSYN, A. P. ; MOURA, G. J. ; MENDES, M. . New species of *Myrmicium* Westwood (*Pseudosiricidae* = *Myrmiciidae*: Hymenoptera, Insecta) from the Early Cretaceous (Aptian) of Araripe Basin, Brasil. ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS, v. 93, p. 1-10, 2020.B2

ALCÂNTARA, D. B. ;NASCIMENTO, R. F. ; LOPES, G. S. ; GRINBERG, P. Evaluation of different strategies for determination of selenomethionine (SeMet) in selenized yeast by asymmetrical flow field flow fractionation coupled to inductively coupled plasma mass spectrometry (AF4-ICP-MS). *Analytical Methods*, v. 12, p. 3351-3360, 2020.B2

SILVA, P. H. T. ; SILVA, M. A. S. ; DA SILVA, R. B. ; CORREA, M. A. ; BOHN, F. ; DE MENEZES, A. S. ; FERREIRA, W. C. ; AYALA, A. P. ; SOMBRA, A. S. B. ; FECHINE, P. B. A. Effects of the Bi<sup>3+</sup> substitution on the structural, vibrational, and magnetic properties of bismuth layer-structured ferroelectrics. *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*, v. 126, p. 653, 2020. B2

SINGH, CHARANJEET ; NIKOLIC, MARIA VESNA ; NARANG, SUKHLEEN BINDRA ; SOMBRA, A. S. B. ; ZHOU, DI ; TRUKHANOV, SERGEI ; PANINA, LARRISA ; SINGH, JASBIR ; TRUKHANOV, ALEX . Complex permittivity and complex permeability characteristics of Co-Ti doped barium strontium hexaferrite/paraffin wax composites for application in microwave devices. *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*, v. 126, p. 850, 2020.B2

PAZIN, W. M.; FURINI, L. ; SOLOVYEVA, V. ; LEMMA, T. ; RUBIRA, R. G. ; JORGENSEN, B. ; CONSTANTINO, C. L. ; BREWER, J. EXPRESS: Vibrational Spectroscopic Characterization and Coherent Anti-Stokes Raman Spectroscopy (CARS) Imaging of Artepillin C. APPLIED SPECTROSCOPY, v. 1, p. 000370282090445, 2020.B2

SILVA, N. A. ; NOBRE, N. F. ; Lopes, G. S. Rapid and Low Cost Determination of Total Mercury in Cat Foods by Photochemical Vapor Generation Coupled to Atomic Absorption Spectrometry. BIOLOGICAL TRACE ELEMENT RESEARCH, <https://doi.org/10.1007/s12011-020-02216-6>, 2020.B2

DE SOUZA, T. C. ; DE SOUSA FONSECA, T. ; DE SOUSA SILVA, J. ; LIMA, P. J. M. ; NETO, C. A. C. G. ; MONTEIRO, R. R. C. ; ROCHA, M. V. P. ; de Mattos, M. C. ; DOS SANTOS, J. C. S. ; GONÇALVES, L. R. B. Modulation of lipase B from *Candida antarctica* properties via covalent immobilization on eco-friendly support for enzymatic kinetic resolution of rac-indanyl acetate. BIOPROCESS AND BIOSYSTEMS ENGINEERING, v. 43, p. 2253-2268, 2020. B2

MENEZES, F. H. ; GARBINO, G. S. T. ; SEMEDO, T. B. F. ; LIMA, M. ; FEIJÓ, A. ; CORDEIRO-ESTRELA, P. ; COSTA, I. R. Major range extensions for three species of porcupines (Rodentia: Erethizontidae: Coendou) from the Brazilian Amazon. BIOTA NEOTROPICA (ONLINE. EDIÇÃO EM INGLÊS), v. 20, p. 1, 2020.B2

ARAÚJO, K. C. ; ANDRADE, E. B. ; BRASILEIRO, A. C. ; BENICIO, R. A. ; SENA, F. P. ; SILVA, R. A. ; SANTOS, A. J. S. ; COSTA, C. A. ; Ávila, R.W. . Anurans of Sete Cidades National Park, Piauí state, northeastern Brazil. BIOTA NEOTROPICA, v. 20, p. 1, 2020. B2

RESENDE, L. M. ; MIRANDA, J. C. ; Rezende, C. F. ; MAZZONI, R. Feeding strategy and morphology as indicators of habitat use and coexistence of two loriciariid fishes from a Brazilian coastal stream. BIOTA NEOTROPICA (ONLINE. EDIÇÃO EM INGLÊS), v. 20, p. XX-XX, 2020.B2

PAULA, R. S. F ; VIEIRA, R. S ; Luna, F.M.T. ; CAVALCANTE JUNIOR, C. L. ; FIGUEREDO, I. M. ; CANDIDO JUNIOR, J. R. ; SILVA, L. P. ; MARINHO, E. S. ; Lima Neto, P. ; Lomonaco, D. ; Mazzeto, S. E. ; RIOS, M. A. S. A potential bio-antioxidant for mineral oil from cashew nutshell liquid: an experimental and theoretical approach. BRAZILIAN JOURNAL OF CHEMICAL ENGINEERING, v. 37, p. 1, 2020.B2

GARCIA, T. M. ; MATTHEWS CASCON, H.; SCHETTINI, C. A. ; MATSUMURA-TUNDISI, T. ; TUNDISI, J. G. ; NEUMANN-LEITAO, S. Mesozooplankton community of a dammed estuary in Brazilian semiarid region. CAHIERS DE BIOLOGIE MARINE, v. 61, p. 149-158, 2020.B2

DA SILVA JÚNIOR, JOSÉ NUNES; SOUSA LIMA, MARY ANNE ; ÁVILA PIMENTA, ANTONIA TORRES ; NUNES, FÁTIMA MIRANDA ; MONTEIRO,

ÁLVARO CARVALHO ; DE SOUSA, ULISSES SILVA ; LEITE JUNIOR, ANTONIO JOSÉ MELO ; ZAMPIERI, DÁVILA ; OLIVEIRA ALEXANDRE, FRANCISCO SERRA ; DE SOUSA, ULISSES SILVA ; PACIONI, NATALIA LORENA ; WINUM, JEAN-YVES . Design, Implementation, and Evaluation of a Game-based Application for Aiding Chemical Engineering and Chemistry Students to Review the Organic Reactions. EDUCATION FOR CHEMICAL ENGINEERS, v. 34, p. 106-114, 2020. Qualis: B2

RODRIGUES, EDNARDO M. ; NETO, TOBIAS R. FERNANDES ; CARMONA, HUMBERTO DE A. ; PONTES, RICARDO  
CARVALHO, T. M. N. ; SILVA, S. M. O. ; ARAÚJO, C. B. C. ; FROTA, R. L. ; XAVIER, L. C. P. ; BEZERRA, B. V. ; ALMEIDA, E. B. L. ; SOUZA FILHO, F. A. . Índice de vulnerabilidade à covid-19: uma aplicação para a cidade de Fortaleza, Brasil. ENGENHARIA SANITÁRIA E AMBIENTAL (ONLINE), v. unico, p. 1, 2020.B2

VITÓ, C. V. G. ; VIEIRA, H. G. ; FERRAREZ, A. H. ; DE ALMEIDA, C. M. S. ; SILVA, F. L. F. ; Matos, W. O. ; SOUZA, M. O. Inorganic content of rock dust waste from northwest of Rio de Janeiro, Brazil: do environmental risks incur from its use as natural fertilizer? ENVIRONMENTAL MONITORING AND ASSESSMENT, v. 192, p. 380, 2020.B2

ALMEIDA, M. O. ; SILVA, L. R. R. ; KOTZEBUE, L. R. V. ; MAIA, F. J. N. ; ACERO, J. S. R. ; MELE, G. ; MAZZETTO, S. E. ; SINATORA, A. ; Lomonaco, D. Development of Fully Bio-Based Lubricants From Agro-Industrial Residues Under Environmentally-Friendly Processes. EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY, v. 1, p. 1900424, 2020.B2

ALENCAR, G.; FILHO, R. N. C.; CUNHA, M. S. ; MUNIZ, C. R. Rainbow's gravity corrections to the black hole global Casimir effect. European Physical Journal Plus, v. 135, p. 18, 2020. B2

SILVEIRA, A. P. ; LOIOLA, M. I. B. ; GOMES, V. S. ; LIMA VERDE, L. W. ; OLIVEIRA, T. S. ; SILVA, E. F. ; OTUTUMI, A. T. ; RIBEIRO, K. A. ; XAVIER, A. ; BRUNO, M. M. A. ; SOUSA, S. S. G. ; ARAÚJO, F. S. Flora of Baturité, Ceará: a Wet Island in the Brazilian Semiarid. FLORAM, v. 27, p. e20180320, 2020.B2

SILVEIRA, A. P. ; MENEZES, B. S. ; LOIOLA, M. I. B. ; LIMA VERDE, L. W. ; MATOS, D. M. S. ; CARVALHO, E. C. D. ; SOUZA, B. C. ; COSTA, R. C. ; MANTOVANI, W. ; MENEZES, M. O. T. ; FLORES, L. M. A. ; BARBOSA, F. C. ; QUEIROZ, L. M. ; BARBOSA, L. V. ; GOMES, F. M. ; CORDEIRO, L. S. ; SAMPAIO, V. S. ; PEIXOTO NETO, M. E. ; SOARES, R. L. ; SILVA, M. A. P. ; CAMPOS, N. B. ; OLIVEIRA, A. A. ; ARAUJO, F. S. FLORA AND ANNUAL DISTRIBUTION OF FLOWERS AND FRUITS IN THE UBAJARA NATIONAL PARK, CEARÁ, BRAZIL. FLORAM, v. 27, p. e20190058, 2020. B2

SILVEIRA, A. P. ; MENEZES, B. S. ; LOIOLA, M. I. B. ; MATIAS, L. Q. ; ARAUJO, F. S. Flora and annual distribution of flowers and fruits in the Ubajara National Park, Ceará, Brazil. FLORESTA E AMBIENTE, v. 27, p. e20190058-00, 2020.B2

SILVA, R. A. A. ; SOARES, L. F.; OLIVEIRA, C. D. M. Da tolerância festiva às intolerâncias contemporâneas: sagrados desafios do patrimônio religioso no urbano. GEOGRAFIA ENSINO & PESQUISA, v. 23, p. 47-63, 2020.B2

MIGO', P. ; MAIA, R. P. Pedra da Boca, Pai Mateus, and Quixadá-Three Possible Key Geoheritage Sites in Northeast Brazil. Geoheritage, v. 12, p. 51, 2020.B2

FAMBRINI, G. L. ; SILVESTRE, D. C. ; BARRETO JUNIOR, A. M. ; SILVA FILHO, W.F. . Estratifigrafia da Bacia do Araripe: estado da arte, revisão crítica e resultados novos. GEOLOGIA USP. SÉRIE CIENTÍFICA, v. 20, p. 169-212, 2020.B2

QUEIROZ, L. S. ; ROSSI, S.; MERCANDER, A. T. ; SERRA-POMPEI, C. ; PIFARRÉ, D. V. ; DOMÍNGUEZ, J. C. ; MONRABÀ, J. A. ; CAROL, J. M. ; MARTÍNEZ, M. B.; MEIRELES, A. J. A. The social and economic framework of artisanal fishing in the state of Ceará, Brazil. GEOSABERES REVISTA DE ESTUDOS GEOEDUCACIONAIS, v. 11, p. 180-198, 2020.B2

PRACIANO, J. B. A. ; FEITOSA, R. A. Auto-organização da escola do trabalho em Krupskaya e Pistrak: análise inicial sobre a autogestão estudantil a partir da experiência pedagógica soviética. GERMINAL: MARXISMO E EDUCAÇÃO EM DEBATE, v. 12, p. 244-259, 2020.B2

GONDIM, P. M. ; RODRIGUES, J. F. M. ; CASCON, PAULO . Fluctuating Asymmetry and Organosomatic Indices in Anuran Populations in Agricultural Environments in Semi-arid Brazil. HERPETOLOGICAL CONSERVATION AND BIOLOGY, v. 15, p. 354-366, 2020.B2

ANDRADE, R.M.C.; ARAGÃO, B. R.; OLIVEIRA, P. ALMIR M.; MAIA, M. E.F.; VIANA, W.; NOGUEIRA, T, P. Multifaceted infrastructure for self-adaptive IoT systems. INFORMATION AND SOFTWARE TECHNOLOGY. : 2,7260, v., p.106505 - , 2020.B2

SALES, DANILO K.S. ; SIMPLÍCIO, LÍLIAN M.T. ; DA SILVA, CARLOS D.S. ; M. B. ENJU, CAROLINA ; SILVA, VANESSA B. ; DE F. PAULO, TÉRCIO ; SANTOS, IVANILSON P. ; QUADROS, HELENITA C. ; MEIRA, CÁSSIO S. ; SOARES, MILENA B.P. ; DE F. LOPES, LUIZ G. ; DE SOUSA, EDUARDO H.S. ; DE SÁ, DENISE S. . A Bis-Indazolic Ruthenium(II) Complex: Reactivity And Biological Studies On Cancer Cells. INORGANICA CHIMICA ACTA, 2020. B2

NOJOSA, R.; RATHIE, P. N.. Stress-strength reliability models involving generalized gamma and Weibull distributions. INTERNATIONAL JOURNAL OF QUALITY AND RELIABILITY MANAGEMENT, v. 37, p. 538-551, 2020.B2

LEOPOLDINO, K. M. ; BEDLE, H. ; ARAUJO, G. A. ; CASTELO BRANCO, R. M. G. The importance of recognizing multiples in legacy data: A case study from the Brazilian equatorial margin. INTERPRETATION, v. 8, p. 1, 2020.B2

CAMPOS, V.; LOPES, R. ; MARINO, A. ; SILVA, A.. Edge-Disjoint Branchings in Temporal Graphs. Em: IWOCA 2020 : 31st International Workshop on Combinatorial Algorithms, 2020, Bordeaux. IWOCA 2020: Combinatorial Algorithms, v. 12126, p. 112-125, 2020.B2

DE MORAIS, J. E. V. ; OLIVEIRA, R. G. M. ; BESSA, V. L. ; FREITAS, D. B. ; SALES, J. C. ; DO CARMO, F. F. ; GOUVEIA, D. X.; SILVA, M. A. S. ; SOMBRA, A. S. B. . Effects of TiO<sub>2</sub> Addition on the Radio-Frequency Properties of the Sr<sub>2</sub>CoNbO<sub>6</sub> Matrix. JOURNAL OF ELECTRONIC MATERIALS, v.49 , p. 2211-2221, 2020. B2

KAUR, H; MARWAHA, A; SINGH, C; NARANG, S.B; JOTANIA, R; BAI, Y; MISHRA, S.R; SINGH, D; SOMBRA, A.S.B; GHIMIRE, M; DHURUV, P., Tailoring of Electromagnetic Absorption in Substituted Hexaferrites from 8.2 GHz to 12.4 GHz, JOURNAL OF ELECTRONIC MATERIALS – v. 49 ,p. 1646-1653, 2020. B2

DO NASCIMENTO, JOÃO P. C. ; DO CARMO, FELIPE F. ; FAÇANHA, MARCELLO X. ; SALES, JUSCELINO C. ; GOUVEIA, DANIEL X. ; DE ANDRADE, HUMBERTO D. ; QUEIROZ JÚNIOR, IDALMIR S. ; SOMBRA, ANTONIO S. B. . Up-Conversion Luminescence of Er<sup>3+</sup>/Pr<sup>3+</sup>/Yb<sup>3+</sup> Co-doped LaNbO<sub>4</sub> Phosphors. JOURNAL OF ELECTRONIC MATERIALS, v. 49, p. 6009-6015, 2020.B2

DO NASCIMENTO, J. P. C. ; OLIVEIRA, R. G. M. ; DO CARMO, F. F. ; DE MORAIS, J. E. V. ; SALES, J. C. ; SILVA, M. A. S. ; GOUVEIA, D. X. ; DE ANDRADE, H. D. ; QUEIROZ JÚNIOR, I. S. ; SOMBRA, A. S. B. . Effect of (Pr-Yb) Co-doping on the Luminescence and Dielectric Behaviour of LaNbO<sub>4</sub> Ceramic. JOURNAL OF ELECTRONIC MATERIALS, v. 49, p. 6016-6023, 2020.B2

SILVA, T. S. J. ; SOARES, A. A. ; ROCHA, T. M. ; PIMENTA, A. T. A. ; MIRON, D. ; SILVA, R. J. F. ; VIANA, G. S. B. ; LEAL, L. K. A. M. Spondias mombin: quality control and anti-inflammatory activity in human neutrophils. Journal of Herbal Medicine, v. 24, p. 100393, 2020.B2

OLIVEIRA, R. G. M. ; SOUZA, D. C. ; DE MORAIS, J. E. V. ; BATISTA, G. S. ; SILVA, M. A. S. ; GOUVEIA, D. X. ; TRUKHANOV, S. ; TRUKHANOV, A. ; PANINA, L. ; SINGH, C. ; ZHOU, D. ; SOMBRA, A. S. B. . High thermal stability of RF dielectric properties of BiVO<sub>4</sub> matrix with added ZnO. JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, v. 31, p. 13078-13087, 2020. B2

BESSA, V. L. ; DE MORAIS, J. E. V. ; OLIVEIRA, R. G. M. ; FREITAS, D. B. ; SALES, J. C. ; DO CARMO, F. F. ; SILVA, M. A. S.; GOUVEIA, D. X. ; SOMBRA,

A. S. B. . Enhancing the electrical properties of Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub> (BiT) matrix by special alloying and sintering. JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, v. 31, p. 22265-22273, 2020. B2

SILVA, L. M. R. ; LIMA, J. S. S.; MAGALHÃES, F. E. A. ; CAMPOS, A. R. ; ARAÚJO, J. I. F. ; BATISTA, F. L. A. ; ARAÚJO, S. M. B. ; SOUSA, P. H. M.; LIMA, G. C.; HOLANDA, D. K. R. ; ROLIM, R. C. ; FIGUEIREDO, R. W. ; FIGUEIREDO, E. A. T. ; DUARTE, A. S. G. ; RICARDO, N. M. P. S.. Graviola Fruit Bar Added Acerola By-Product Extract Protects Against Inflammation and Nociception in Adult Zebrafish ( Danio rerio ). JOURNAL OF MEDICINAL FOOD, v. 23, p. 173-180, 2020.B2

BEZERRA-NETO, J.R. ; SOUSA, N. G. ; MONTEIRO, N. K. V. ; CORREIA, A.N. ; LIMA-NETO, P. Molecular approach about the effect of water on the electrochemical behaviour of Ag<sup>+</sup> ions in urea-choline chloride-water mixture. JOURNAL OF MOLECULAR MODELING (ONLINE), v. 26, p. 339, 2020.B2

ALVES DE SANTANA, M. S.; SANTIAGO DE OLIVEIRA, Y. ; DE CASTRO FONSECA, J. ; FERREIRA, W. C.; NETO, V. S. ; Ayala, A. P. Stability of Ceftazidime Pentahydrate Investigated by Thermal Analysis Techniques. JOURNAL OF PHARMACEUTICAL SCIENCES, v. 109, p. 1324-1329, 2020. B2

DECESARO, A. ; MACHADO, T. S. ; CAPPELLARO, A. C. ; REMPEL, A. ; MARGARITES, A. C. ; REINEHR, C. O. ; EBERLIN, M. N. ; ZAMPIERI, D. ; THOMÉ, A. ; COLLA, L. M. Biosurfactants Production Using Permeate from Whey Ultrafiltration and Bioproduct Recovery by Membrane Separation Process. JOURNAL OF SURFACTANTS AND DETERGENTS, v. 1, p. jsde.12399, 2020. B2

CARVALHO, E.V. ; DE PAULA, D.M. ; ANDRADE NETO, D.M. ; COSTA, L.S. ; DIAS, D.F. ; FEITOSA, V.P. ; FECHINE, P.B.A. . Radiopacity and mechanical properties of dental adhesives with strontium hydroxyapatite nanofillers. Journal of the Mechanical Behavior of Biomedical Materials, v. 101, p. 103447, 2020. B2

FERREIRA, J. L. ; WATANABE, P. H. ; MENDONÇA, I. B. ; NOGUEIRA, B. D. ; FERREIRA, A. C. S. ; NEPOMUCENO, R. C. ; PASCOAL, L. A. F. ; ALMEIDA, J. M. S. ; GUERRA, R. R. ; TREVISAN, M. T. S. ; SILVA, I. N. G. ; FREITAS, E. R. Calcium anacardate and citric acid as growth promoters for weaned piglets. Livestock Science, v. 238, p. 104084, 2020. B2

DANTAS, N. C. F. M. ; DUARTE, O. S. ; FERREIRA, W. C. ; Ayala, A. P. ; REZENDE, C. F. ; FEITOSA, C. V. Plastic intake does not depend on fish eating habits: Identification of microplastics in the stomach contents of fish on an urban beach in Brazil. MARINE POLLUTION BULLETIN, v. 153, p. 110959, 2020. B2

PAZ, C. B. ; ARAÚJO, R. S. ; OTON, L. F. ; OLIVEIRA, A. C. ; SOARES, J. M. ; MEDEIROS, S. N. ; RODRÍGUEZ-CASTELLÓN, E.; RODRÍGUEZ-AGUADO, E. . Acid Red 66 Dye Removal from Aqueous Solution by Fe/C-based Composites:



Adsorption, Kinetics and Thermodynamic Studies. MATERIALS, v. 13, p. 1107, 2020.B2

ARAÚJO, F. J. ; HISSA, D. C. ; SILVA, G. O. ; ANTUNES, A. S. L. M. ; NOGUEIRA, V. L. R. ; GONÇALVES, L. R. B. ; MELO, V. M. M. A novel bacterial carboxylesterase identified in a metagenome derived-clone from Brazilian mangrove sediments. MOLECULAR BIOLOGY REPORTS, v. 1, p. 1, 2020.B2

DA SILVA, RX ; PASCHOAL, CWD ; DOS SANTOS, CC ; GARCIA-FERNANDEZ, A ; SALGADO-BECEIRO, J ; SENARIS-RODRIGUEZ, MA ; SANCHEZ-ANDUJAR, M ; SILVA, ANAD ; Raman Spectroscopy Studies on the Barocaloric Hybrid Perovskite [(CH<sub>3</sub>)<sub>4</sub>N][Cd(N-3)(3)]. MOLECULES. V. 25, e4754, 2020.B2

DARWISH, M.A ; TRUKHANOV, A.V ; SENATOV, O.S ; MORCHENKO, A.T ; SAAFAN, S.A ; ASTAPOVICH, K.A ; TRUKHANOV, S.V ; TRUKHANOVA, E.L ; PILYUSHKIN, A.A ; SOMBRA, A.S.B. ; ZHOU, D ; JOTANIA, R.B ; SINGH, C. ; Investigation of AC-Measurements of Epoxy/Ferrite Composites, NANOMATERIALS – V.10 , 492, 2020.B2

ZUBAR, TATIANA ; FEDOSYUK, VALERY ; TISHKEVICH, DARIA ; KANAFYEV, OLEG ; ASTAPOVICH, KSENIA ; KOZLOVSKIY, ARTEM ; ZDOROVETS, MAXIM ; VINNIK, DENIS ; GUDKOVA, SVETLANA ; KANIUKOV, EGOR ; SOMBRA, ANTONIO SERGIO B. ; ZHOU, DI ; JOTANIA, RAJSHREE B. ; SINGH, CHARANJEET ; TRUKHANOV, SERGEI ; TRUKHANOV, ALEX . The Effect of Heat Treatment on the Microstructure and Mechanical Properties of 2D Nanostructured Au/NiFe System. NANOMATERIALS, v. 10, p. 1077--, 2020.B2

FREIRE, T. M. ; FECHINE, L. M. U. D. ; QUEIROZ, D. C. ; FREIRE, R. M. ; DENARDIN, J. C. ; Ricardo, N. M. P. S. ; RODRIGUES, T. N. B. ; GONDIM, D. R. ; JUNIOR, I. J. S. ; FECHINE, P. B. A. Magnetic Porous Controlled Fe<sub>3</sub>O<sub>4</sub>-Chitosan Nanostructure: An Ecofriendly Adsorbent for Efficient Removal of Azo Dyes. NANOMATERIALS, v. 10, p. 1194, 2020. B2

TORRINHA, A. ; OLIVEIRA, T. M. B. F. ; RIBEIRO, F. W. P. ; CORREIA, A. N. ; LIMA-NETO, P. ; MORAIS, S. Application of Nanostructured Carbon-Based Electrochemical (Bio)Sensors for Screening of Emerging Pharmaceutical Pollutants in Waters and Aquatic Species: A Review. NANOMATERIALS, v. 10, p. 1268, 2020.B2

SILVA, M. J. ; RAMOS, T. P. A. ; CARVALHO, F. R. ; BRITO, M. F. G. ; RAMOS, R. T. C. ; ROSA, R. R. ; SÁNCHEZ-BOTERO, J. I. ; NOVAES, J.L.C. ; COSTA, R. S. ; LIMA, S. M. Q. . Freshwater fish richness baseline from the São Francisco Interbasin Water Transfer Project in the Brazilian Semiarid. NEOTROPICAL ICHTHYOLOGY, v. 18, p. 1-25, 2020. B2

HOFERER, MORITZ ; BÖTTCHER, LUCAS ; HERRMANN, HANS J. ; GERSBACH, HANS . The impact of technologies in political campaigns. PHYSICA A-

STATISTICAL MECHANICS AND ITS APPLICATIONS, v. 538, p. 122795, 2020.  
B2

GUEDES, J. A. C. ; SANTIAGO, Y. G. ; LUZ, L.R.; SILVA, M. F.S. ; RAMIRES, C. M. C. ; DE LIMA, M.A.C. ; DE OLIVEIRA, V. R.; PESSOA, C.O. ; CANUTO, K. M. ; DE BRITO, E. S. ; F. LIMA, M. ; ALVES, R.E. ; ZAMPIERI, D. ; do Nascimento, R. F. ; ZOCCOLO, G.J. . Comparative analyses of metabolic fingerprint integrated with cytotoxic activity and in silico approaches of the leaves extract of *Spondias mombin* L. and *Spondias tuberosa* Arr. Cam. from Northeast, Brazil. PHYTOCHEMISTRY LETTERS, v. 40, p. 26-36, 2020.B2

VALDEMARIN, K. S. ; FARIA, J. E. Q.; SOBRAL, M. ; BÜNGER, M. ; MAZINE, F. F. . A new name, synonyms, and typifications in *Eugenia* (Myrtaceae) from São Paulo, Brazil. Phytotaxa (on-line), v. 468, p. 137-142, 2020B2

BÜNGER, M. O.; MAZINE, F. F. ; STEHMANN, J. R.O . Revision of *Eugenia* section *Phyllocalyx* (Myrtaceae). Phytotaxa, v. 474, p. 99-118, 2020. B2

DE ALMEIDA BARROS, V. ; FONTES, P. P. ; BARCELOS DE SOUZA, G. ; GONÇALVES, A. B. ; DE CARVALHO, K. ; RINCÃO, M. P. ; DE OLIVEIRA NEGRÃO LOPES, I. ; DAL-BIANCO LAMAS COSTA, M. ; ALVES, M. S.; MARCELINO-GUIMARÃES, F. C. ; FIETTO, L. G. *Phakopsora pachyrhizi* triggers the jasmonate signaling pathway during compatible interaction in soybean and *GmbZIP89* plays a role of major component in the pathway. PLANT PHYSIOLOGY AND BIOCHEMISTRY, v. 1, p. 1, 2020.B2

MESQUITA, L. S. F. ; MATOS, T. S. ; ÁVILA, F. N. ; BATISTA, A. S. ; MOURA, A. F. ; DE MORAES, M. O. ; DA SILVA, M. C. M. ; FERREIRA, T. L. A. ; NASCIMENTO, N. R. F. ; MONTEIRO, N. K. V. ; PESSOA, O. D. L. Diterpenoids from Leaves of Cultivated *Plectranthus ornatus*. PLANTA MEDICA, v. 1, p. 1, 2020.B2

FREITAS, C. D. T. ; NISHI, B. C. ; DO NASCIMENTO, C. T. M. ; SILVA, M. Z. R. ; BEZERRA, E. H. S. ; ROCHA, B. A. M. ; GRANGEIRO, T. B. ; OLIVEIRA, J. P. B. ; SOUZA, P. F. N. ; Ramos, M. V. Characterization of Three Osmotin-Like Proteins from *Plumeria rubra* and Prospection for Adiponectin Peptidomimetics. PROTEIN AND PEPTIDE LETTERS, v. 27, p. 1-11, 2020.B2

LOPES, LUIZ; SADLER, PETER ; BERNARDES-GÉNISSOND, VÂNIA ; MOURA, JOSÉ ; CHAUVIN, REMI ; BERNHARDT, PAUL V. ; SOUSA, EDUARDO . The Fundamental Importance Of Basic Science: Examples Of High-Impact Discoveries From An International Chemistry Network. QUIMICA NOVA, v. 43, p. 1176-1189, 2020. B2

NOGUEIRA, H. B. ; MONTEIRO, N. K. V. ; L. NETO, P.A UNIFIED FORMULA FOR HYDROCARBONS WITH APPLICATIONS TO FUNCTIONAL GROUPS. QUIMICA NOVA, p. 1-3, 2020.B2

LOPES, K. P.S. ; CAVALCANTE, I. M. ; SILVA, R. F. ; BRITO, D. H. A. ; FECHINE, L. M.U.D. ; MOREIRA, D. R. ; VIEIRA, I. G. P. ; AZUL, F. V. C. S. ; LEAL, L. K. A. M. ; RIBEIRO, M. E. N. P. ; RICARDO, N. M. P. S. BINARY MICELLES (E45S8/F127) FOR QUERCETIN AND GRISEOFULVIN SOLUBILISATION. QUIMICA NOVA, v. XY, p. 1, 2020.B2

VIRGOLINO, G. C. M. ; MATTOS, C. L. C. ; MAGALHAES, J. A. F. ; BARRETO, G. A. Gaussian Process with Logistic Mean Function for Modeling Wind Turbine Power Curves. RENEWABLE ENERGY, v. 8, p. 1, 2020. B2

ARAÚJO, C. B. C.; SOUZA FILHO, F. A. ; ARAÚJO JÚNIOR, L. M. ; SILVEIRA, C. S. Previsão Sazonal de Vazões para a Bacia do Orós (Ceará, Brasil) Utilizando Redes Neurais e a Técnica De Reamostragem dos K-vizinhos. REVISTA BRASILEIRA DE METEOROLOGIA, v. 1, p. 1-11, 2020.B2

ARAUJO, H. M. ; CONCEICAO, M. J. ; MEIRELES, A. J. A. Efeitos das variações climáticas nas doenças cardio-respiratórias em Aracaju, Sergipe, Brasil. REVISTA GEONORDESTE, v. 1, p. 229, 2020. B2

MCMANUS, C; NEVES, AAB ] ; MARANHÃO, AQ ; SOUZA, AG; SANTANA, JM; International collaboration in Brazilian science: financing and impact. SCIENTOMETRICS – Vol. 125, p. 2745–2772, 2020. B2

SILVA, A. M. A. ; DA SILVA, H. C. ; MONTEIRO, A. O. ; LEMOS, T. L. G. ; DE SOUZA, S. M. ; MILITÃO, G. C. G. ; SANTOS, H. V. ; ALVES, P. B. ; ROMERO, N. R. ; SANTIAGO, G. M. P. Chemical composition, larvicidal and cytotoxic activities of the leaf essential oil of Bauhinia cheilantha (Bong.) Steud. SOUTH AFRICAN JOURNAL OF BOTANY, v. 131, p. 369-373, 2020.B2

RIBEIRO, R. T. M. ; GOMES, F. M. ; CORDEIRO, L. S. ; LOIOLA, M. I. B. ; SALES, M. F. Terminalia nildae (Combretaceae): A New Tree Species from the Brazilian Atlantic Forest. SYSTEMATIC BOTANY, v. 45, p. 268-273, 2020.B2

SANTOS, F. D. S. ; MONTEIRO, J. A. ; LOIOLA, M. I. B. ; BURIL, M. T. A. Ipomoea bonsai (Convolvulaceae), a magnificent new species from the Caatinga domain, Brazil. SYSTEMATIC BOTANY, v. 45, p. 652-657, 2020.B2

FURINI, L. N.; MARTIN, C. S. ; CAMACHO, S. A. ; RUBIRA, R. J. G. ; FERNANDES, J. D. ; SILVA, E. A. ; GOMES, T. C. ; STUNGES, G. M. ; CONSTANTINO, C. J. L. ; ALESSIO, P. Electrochemical properties of nickel phthalocyanine: The effect of thin film morphology tuned by deposition techniques. THIN SOLID FILMS, v. 699, p. 137897, 2020. B2

DE MATOS, Y.M.L.S; VASCONCELOS, D.L.M; BARRETO, A.C.H; ROCHA, J.E; NETO, J.B; CAMPINA, F.F; GUEDES, T.T.D.M ;SOUSA, A.K; TEIXEIRA, R.N.P; ALVAREZ-PIZARRO, J.C; COUTINHO, H.D.M; DA SILVA, J.H., Reduction of the

phytotoxic effect of mercury chloride by rutin and evaluation of interactions by vibrational spectroscopy (Raman and FTIR). VIBRATIONAL SPECTROSCOPY . V.109 , e103084, 2020.B2

AGRESSOTT, E. V.H. ; DE MOURA, T. A.; MARINHO, N. L. ; DE L. VASCONCELOS, T. ; CUNHA, F. A. ; FECHINE, P. B. A. ; DE SOUZA FILHO, A. G.; PASCHOAL, A. R. Tip-Enhanced Raman spectroscopy investigations of core-shell Ag-proteins nanoparticles synthesized by *Rhodotorula mucilaginosa* and *Rhodotorula glutinis* fungi. VIBRATIONAL SPECTROSCOPY, v. 110, p. 103104, 2020. B2

DE QUEIROZ, L. C. ; CARLISBINO, T. ; AGRESSOTT, E. V. H. ; PASCHOAL, A. R. ; DE TARSO C. FREIRE, P. ; VIANA NETO, B. C. ; DA SILVA, J. H. Paleoenvironmental interpretations of Irati and Mangrullo Formations (Permian of Paraná Basin) based on rocks and fossil bones through spectroscopy techniques. VIBRATIONAL SPECTROSCOPY, v. 110, p. 103110, 2020. B2

MOURA, JVB ; LIMA, CDD ; ; DE CASTRO, AJR; FREIRE, PTC ; SARAIVA, GD. Temperature-induced phase transitions in metastable beta-Ag<sub>2</sub>WO<sub>4</sub>: a Raman scattering study. VIBRATIONAL SPECTROSCOPY. V.110 , e103135, 2020. B2

QUIMBAYO, JSM ; LIMA, RA ; VASCONCELOS, DLM ; FREIRE, PTC. Vibrational modes of nucleoside deoxyadenosine monohydrate investigated under high pressure. VIBRATIONAL SPECTROSCOPY – V. 110, e103140, 2020. B2

SANTIAGO, RNS ; FREIRE, PTC ; MAIA, JR ; SARAIVA, GD ; DE SOUSA, FF ; PARAGUASSU, W ; MOREIRA, SGC ; DOS SANTOS, HS; BANDEIRA, PN ; NOGUEIRA, CES ; TEIXEIRA, AMR. Low-temperature and high-pressure Raman spectroscopy of 2-hydroxy-*y*-3,4,6-trimethoxyacetophenone isolated from the *Croton anisodontus* Mull. Arg. VIBRATIONAL SPECTROSCOPY . V.110, e103143, 2020. B2

DE CASTRO, A.J.R.; SARAIVA, G.D.; OLIVEIRA, A.C.; SOUSA NETO, V.O.; PAULA, A.J.; SOUZA FILHO, A.G.; FERREIRA, O.P. Ordered porous carbons from hydrothermally treated biomass: Effects of the thermal treatments on the structure and porosity VIBRATIONAL SPECTROSCOPY - VOL. 111, P. 103175, 2020, B2

LIMA, R. A. ; QUIMBAYO, J. S. M. ; VASCONCELOS, D. L. M. ; SILVA, C. B. ; SANTANA, J. V. ; Zanatta, G. ; FREIRE, V. N. ; FREIRE, P. T. C. Study of the vibrational properties of haloperidol under high-pressure. VIBRATIONAL SPECTROSCOPY, v. v, p. 103103, 2020. B2

LOTUFO, T. M. Molecular evidences confirm the taxonomic separation of two sympatric congeneric species (Mollusca, Gastropoda, Neritidae, Neritina). ZOOKEYS (ONLINE), v. 904, p. 117-130, 2020.B2

**QUALIS B3**

BRITTO, A. F. ; VIVAS, C. S. ; ALMEIDA, M. P. ; DA CUNHA LIMA, I. C. ; DA CUNHA LIMA, A. T. Multiphase flow mobility impact on oil reservoir recovery: An open-source simulation. AIP Advances, v. 10, p. 035032, 2020. B3

LANGLOIS, K. On the classification of normal  $\mathbb{S}^3$ -varieties with spherical orbits. ANNALES DE LA FACULTÉ DES SCIENCES DE TOULOUSE : MATHÉMATIQUES. v. 29, p. 271-334, 2020. B3

MATTOS, I. C.; NOGUEIRA NETO, J. A. ; ARTUR, A. C. ; SILVA FILHO, J. C. . Resistência ao Ataque Químico de Granitos Ornamentais do Stock Serra do Barriga - Sobral/CE. ANUÁRIO DO INSTITUTO DE GEOCIÊNCIAS - UFRJ, v. 43, p. 124-136, 2020.B3

VASQUES, V. V. ; BLUM, J. ; MAGINI, C. ; MARINHO, L. M. . Resíduo da Mineração de Calcário Laminado na Correção da Acidez do Solo e na Nutrição do Feijoeiro. ANUÁRIO DO INSTITUTO DE GEOCIÊNCIAS - UFRJ, v. 43, p. 150-160, 2020.B3

OLIVEIRA, I. G. ; CARNEIRO, L. S. ; SARAIVA, C. E. R. ; MATTOS, I. C. ; NERI, T. F. O. Caracterização Gemológica das Turmalinas de Quixeramobim. ANUÁRIO DO INSTITUTO DE GEOCIÊNCIAS - UFRJ, v. 43, p. 207-217, 2020.B3

UCHOA, E. B. ; Duarte C, R; MAGINI, C. ; MIRANDA, M. P. . Modelagem Prospectiva Mineral com Base em Lógica Fuzzy: Avaliação do Distrito Ferrífero de Quiterianópolis/CE. ANUÁRIO DO INSTITUTO DE GEOCIÊNCIAS - UFRJ, v. 43, p. 224-236, 2020.B3

SILVA, P. T. ; FREITAS, T. S. ; JR., D. M. S.; BANDEIRA, P. N. ; JULIÃO, M. S. S. ; MARINHO, E. S. ; ALCANFOR, A. A. C. ; MARINHO, E. M. ; LIMA-NETO, P. ; NOGUEIRA, C. E. S. ; COUTINHO, H. D. M. ; LEAL, A. L. A. B. ; BARRETO, H. M. ; MARTINS, N. ; TEIXEIRA, A. M. R. ; SANTOS, H. S. Structural, Vibrational and Electrochemical Analysis and Antibacterial Potential of Isomeric Chalcones Derived from Natural Acetophenone. Applied Sciences-Basel, v. 10, p. 4713, 2020.B3

MACHADO, H. T. S. ; ARAUJO, K. C. ; BENICIO, R. A. ; ÁVILA, R. W. . Feeding habits of *Dermatonotus muelleri* (Anura, Microhylidae) from a semiarid region in Pernambuco state, Northeastern Brazil. BRAZILIAN JOURNAL OF BIOLOGY (ONLINE), p. 00, 2020. B3

RODRIGUES, E.M; NETO, T.R.F.; CARMONA, H.A.; PONTES, R.S.T.; Efficiency of the air-termination system of a power transmission line by Electric Field Deflection and fractional Brownian motion model. ELECTRIC POWER SYSTEMS RESEARCH, v. 184, p. 106282, 2020. B3

SAMPAIO, F. C. ; LEÃO, R. P. S. ; SAMPAIO, R. F. ; MELO, L. S. ; BARROSO, G. C. A multi-agent-based integrated self-healing and adaptive protection system for power distribution systems with distributed generation. ELECTRIC POWER SYSTEMS RESEARCH, v. 188, p. 106525, 2020. B3

PEREIRA, A. Q. Espaço-tempo de confinamento no Oeste francês: estatísticas, mapas, impressões Espaço-tempo de confinamento no Oeste francês: estatísticas, mapas, impressões Espace-temps de confinement dans l'Ouest de la France : des statistiques, des cartes, des impressions Espacio-tiempo de confinamiento en el oeste francés: estadísticas, mapas, impresiones Space-Time of confinement in the French West: sta. ESPAÇO E ECONOMIA, p. 1-15, 2020.B3

SILVA, J. B. ; Muniz, A. M. V. Pandemia do Coronavírus no Brasil: Impactos no Território Cearense. ESPAÇO E ECONOMIA, v. 17, p. 1-20, 2020. B3

CAVALCANTE, T. V. Lívia de Oliveira e o saber com sabor. GEOGRAFIA (RIO CLARO. ONLINE), v. 45, p. 197-199, 2020.B3

TOMAZ, A. E. B. ; DO NASCIMENTO, J. C. ; HAFID, A.S. ; DE SOUZA, J. N.. Preserving Privacy in Mobile Health Systems using Non-Interactive Zero-Knowledge Proof and Blockchain. IEEE Access. v. online, p. 1-1, 2020. B3

DE SOUZA, A. B. ; REGO, P. A. L. ; CARNEIRO, T. ; RODRIGUES, J.C. ; REBOUCAS FILHO, P. P. ; DE SOUZA, J. N. ; CHAMOLA, V. ; DE ALBUQUERQUE, V. H. C. ; SIKDAR, B.. Computation Offloading for Vehicular Environments: A Survey. IEEE Access. v. online, p. 1-1, issn: 2169-3536, 2020. B3

BEHALO, M. S. ; BLOISE, E. ; Mele, G. ; SALOMONE, A. ; MESSA, F. ; CARBONE, L. ; MAZZETTO, S. E. ; LOMONACO, D.. Bio-based benzoxazines synthesized in a deep eutectic solvent: A greener approach toward vesicular nanosystems. JOURNAL OF HETEROCYCLIC CHEMISTRY, v. 57, p. 768-773, 2020.B3

GORAYEB, A.; DE OLIVEIRA SANTOS, J. ; DA CUNHA, H. G. N. ; DA SILVA, R. B. ; DE SOUZA, W. F. ; MESQUITA, R. D. PEREIRA ; DA SILVA LIBÉRIO, L. ; DE SOUSA SILVA, F. D. ; DO NASCIMENTO, S. L. M.; MOTA, C. M. ; GORAYEB, P. R. ; DE SÁ PEREIRA FILHO, N. Volunteered Geographic Information Generates New Spatial Understandings of Covid-19 in Fortaleza. JOURNAL OF LATIN AMERICAN GEOGRAPHY, v. 19, p. 260-271, 2020. B3

OLIVEIRA, C. D.M; AMÉRICO RIBEIRO, F. ; OLIVEIRA SILVA, I. L. ; TEIXEIRA SILVA, L. R. ; XAVIER DE SOUZA, J. A.; FRANCO, G. C. ; DA SILVA ROCHA, M. ; MOURA GOMES, M.; BENATTI, C. As organizações religiosas brasileiras frente à pandemia de COVID-19. JOURNAL OF LATIN AMERICAN GEOGRAPHY, v. 19, p. 1-8, 2020.B3

DE OLIVEIRA, R. C. R. ; RAFAEL ALMEIDA, R. ; JUSTINO UCHOA, A. F. ; DOS SANTOS, A. P. ; SILVA RICARDO, N. M. P. ; GONÇALVES LEMES, R. P. ; DE ARAÚJO, T. G. Production and Characterization of Melon Sulfated Pectin (Cucumis melo var. acidulus) Nanoparticles with Anticoagulant Potential. JOURNAL OF YOUNG PHARMACISTS (PRINT), v. 12, p. 135-140, 2020.B3

Alencar, G.; GOGBERASHVILI, M. Hidden conformal symmetry of smooth braneworld scenarios. MODERN PHYSICS LETTERS A, v. 35, p. 2050039, 2020. B3

DE OLIVEIRA JUNIOR, R. I. ; TAHIM, M. O. ; ALENCAR, G. ; LANDIM, R. R. Localization of a Model with U(1) Kinetic Gauge Mixing. MODERN PHYSICS LETTERS A, v. 35, p. 2050047, 2020. B3

DO VALE MADEIRO, J. P.; LOBO MARQUES, J. A. ; HAN, T. ; Pedrosa, R. C. Evaluation of Mathematical Models for QRS Feature Extraction and QRS A2Morphology Classification in ECG Signals. MEASUREMENT, v. 156, p. 107580, 2020.B3

RODRIGUES, ML, PEREIRA, PIO, NOGUEIRA, PCN, SILVEIRA, ER, GRANGEIRO, TB, NOGUEIRA. Violacein antimicrobial activity on Staphylococcus epidermidis biofilm, NAP.NATURAL PRODUCT RESEARCH, Volume: 34, Edição: 23, Páginas: 2020 ,3414-3417, . B3

SOUZA, J. R. R. ; TREVISAN, M. T. S. ; Feitosa, J. P. A. ; Ricardo, N. M. P. S. ; HULL, W. E. ; ERBEN, G. ; WÜRTELE, G. ; BREUER, A. ; FREI, E. ; ULRICH, C. M. ; OWEN, R. W. Transformation of Mangiferin to Norathyriol by Human Fecal Matrix in Anaerobic Conditions: Comprehensive NMR of the Xanthone Metabolites, Antioxidant Capacity, and Comparative Cytotoxicity Against Cancer Cell Lines. NATURAL PRODUCT COMMUNICATIONS, v. 15, p. 1934578X2091028, 2020.B3

DA SILVA, H. C. ; PINTO, F. C. L. ; DE SOUSA, A. F. ; PESSOA, O. D. L. ; Trevisan, M. T. S. ; SANTIAGO, G. M. P. Chemical constituents and acetylcholinesterase inhibitory activity from the stems of *Bauhinia pentandra*. NATURAL PRODUCT RESEARCH, v. 1, p. 1-5, 2020. B3

TEIXEIRA, M.C.; LOPES, M.J.P; DE SOUSA-JUNIOR, D.L.; RIBEIRO, A.E.S.; PEREIRA, B.S; AQUINO, P.E; AQUINO, N.C; SILVEIRA, E.R; LEAL, L.K.A.M.; VIANA, G.S.B. Evaluation of the Healing Potential of Myracrodruon urundeuva in Wound Induced in Male Rats REVISTA BRASILEIRA DE FARMACOGNOSIA-BRAZILIAN JOURNAL OF PHARMACOGNOSY, Volume: 30 , Edição: , 2 Páginas: 2020 ,214-223 . B3

BRITO, M. S. ; FEITOSA, R. A. Formação de professores atuantes como educadores ambientais: reflexões mediante a vertente crítica. REVISTA CONTEMPORÂNEA DE EDUCAÇÃO, v. 15, p. 140-155, 2020.B3

FEITOSA, F. S. ; Rezende, C. F. Life history and trophic ecology of the migratory fish *Leporinus piau* (Characiformes: Anostomidae) in an area influenced by a dam in the Neotropical River Parnaíba. REVISTA DE BIOLOGIA TROPICAL, v. 68, p. 1-19, 2020.B3

MELO, L. S. ; SARAIVA, F. ; LEÃO, R.; SAMPAIO, R. F.; BARROSO, G. C. Mosaik and PADE: Multiagents and Co-simulation for smart grids modeling. REVISTA DE INFORMÁTICA TEÓRICA E APLICADA (IMPRESSO), v. 27, p. 107-115, 2020. B3

BANDEIRA, P. N. ; FONTENELE, R. S. ; COSTA, P. S. ; SANTOS, H. S. ; DE LEMOS, T. L. G. In Vitro Antifungal Activity Against Trychophyton Rubrum of p-Aminochalcones and 3'-Methoxy-4'-Hydroxy Chalcone. REVISTA VIRTUAL DE QUÍMICA, v. 12, p. 703-711, 2020. B3

REBOUÇAS, N. C. ; LIMA, I. G. ; CORDEIRO, L. S. ; RIBEIRO, R. T. M. ; LOIOLA, M. I. B. Flora do Ceará, Brasil: Symplocaceae. RODRIGUESIA (IMPRESSO), v. 71, p. 2175-7860, 2020.B3

LIMA, I. G. ; REBOUÇAS, N. C. ; RIBEIRO, R. T. M. ; CORDEIRO, L. S. ; LOIOLA, M. I. B. Flora do Ceará, Brasil: Begoniaceae. RODRIGUESIA, v. 71, p. e01402018, 2020.B3

LIMA, I. G. ; REBOUÇAS, N. C. ; RIBEIRO, R. T. M. ; LOIOLA, M. I. B. Flora do Ceará, Brasil: Phyllanthaceae. RODRIGUESIA, v. 71, p. e01782018, 2020. B3

GUEDES, F. M. ; MATIAS, L. Q. . Flora do Ceará, Brasil: Lentibulariaceae. RODRIGUESIA, v. 71, p. e01892018, 2020. B3

REBOUÇAS, N. C. ; CORDEIRO, L. S. ; ARAÚJO, R. S. ; RIBEIRO, R. T. M. ; LOIOLA, M. I. B. Flora do Ceará, Brasil: Ebenaceae. RODRIGUESIA, v. 71, p. e02122018, 2020.B3

LUCENA, D. S. ; SOUZA, BC ; CARVALHO, E. C. D. ; ARAÚJO, F. S. ; ALVES, M. V. S. . Plantas Trepadeiras em afloramentos rochosos no nordeste do Brasil: padrões de riqueza, similaridade florística e síndromes de dispersão. RODRIGUESIA, v. 71, p. e02402018, 2020.B3

MATIAS, L. Q.; NASCIMENTO, H. P. Flora do Ceará, Brasil: Potamogetonaceae Bercht. & J.Presl. RODRIGUESIA, v. 71, p. e02752018-00, 2020.B3

REBOUÇAS, N. C. ; LIMA, I. G. ; RIBEIRO, R. T. M. ; LOIOLA, M. I. B. Flora do Ceará, Brasil: Aristolochiaceae s.s. RODRIGUESIA, v. 71, p. e04012017, 2020.B3

GOMES, G.F. ; VIDAL, C. A. ; CAVALCANTE NETO, J. B. ; NOGUEIRA, Y. L.B.. An Autonomous Emotional Virtual Character: An Approach with Deep and Goal-Parameterized Reinforcement Learning. SBC JOURNAL ON 3D INTERACTIVE SYSTEMS. v. 11, p. 27-44, 2020. B3

SILVA, R. A. S.; ANDRADE, R. M. C.; ARAGAO FILHO, J. B. B.; SANTOS, I. S.; ARAGÃO, Bruno Sabóia Design and Evaluation of a Mobile Application for an Educational Card Game. SBC JOURNAL ON 3D INTERACTIVE SYSTEMS. , v.11, p.110 - 124, 2020. B3



MARQUES, J. M. R. ; LIMA, J. S. Q. ; SANTOS, J. O. FRAGILIDADE AMBIENTAL, VULNERABILIDADE SOCIAL E RISCOS DE DESASTRES NO BAIXO CURSO DO RIO MARANGUAPINHO, FORTALEZA-CEARÁ-BRASIL. TERRITORIUM (COIMBRA), v. 27, p. 25-35, 2020. B3

#### **QUALIS B4**

CABRAL, R. L. ; FERREIRA, T. O. ; NOBREGA, G. N. ; BARCELLOS, D. ; ROILLOA, S. R. ; ZANDAVALLI, RB ; OTERO, X. L. . How Do Plants and Climatic Conditions Control Soil Properties in Hypersaline Tidal Flats?. Applied Sciences-Basel, v. 10, p. 7624-18, 2020.B4

MARINHO, A. D. ; SILVEIRA, J. A. M. ; CHAVES-FILHO, A. J. M. ; MACEDO, D. S. ; CARMO, L. D. ; ALENCAR, N. M. N. ; COSTA, P. H. S. ; LOPES, P. L. ; NOGUEIRA-JUNIOR, F. A. ; ALVES, N. T. Q. ; XAVIER-JUNIOR, F. A. F. ; EVANGELISTA, J. S. A. M. ; SAMPAIO, T. L. ; MARTINS, A. M. C. ; CAMPOS, D. C. O. ; Oliveira, H. D. ; JORGE, R. J. B. ; MONTEIRO, H. S. A. Protective Effects Of A Lipid Transfer Protein Isolated from Morinda citrifolia Seeds in Gentamicin-Induced Nephrotoxicity in Rats. BRAZILIAN JOURNAL OF PHARMACOGNOSY, v. 0000, p. 00000-0000, 2020.B4

BONFIM, F. M ; FREIRE, G. S. S. ; GOMES, D. F. Avaliação do aporte de água no município de crateús - ce, em anos sucessivos de seca. EDUCAÇÃO AMBIENTAL EM AÇÃO, v. 71, p. 1, 2020.B4

SILVA, A. K. P. ; SAMPAIO, A. P. C. ; BARROS, V. S. ; SALES, M. C. L. ; SALES, F. S. B. ; FIGUEIREDO, M. C. B. Pegadas hídricas e de carbono de produtos agrícolas: estudo da água de coco in natura.. Gaia Scientia, v. 14, p. 94-111, 2020. B4

FENNER, G. ; LIMA, A. S. ; DE SOUZA, J. N. ; MOURA, J. A. B. ; BEZERRA, T. R. Supporting Infrastructure as a Service Capacity Management through Business Scenarios Simulation Supporting Infrastructure as a Service Capacity Management through Business Scenarios Simulation. IEEE Latin America Transactions, v. 18, p. 473-486, 2020.B4

ABREU, R. F. ; SATURNO, S. O. ; DO NASCIMENTO, J. P. C. ; SANCHO, E. O. ; DE MORAIS, J. E. V. ; SALES, J. C. ; GOUVEIA, D. X. ; DE ANDRADE, H. D. ; QUEIROZ JÚNIOR, I. S. ; SOMBRA, A. S. B. . Dielectric characterisation and numerical investigation of SrBi Nb O -Bi O composites for applications in microwave range. JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, v. 32, p. 1705-1718, 2020. B4

NASCIMENTO, M. M. ; VERISSIMO, C. U. V. ; Santos, J. L. ARTE RUPESTRE E CULTURA MATERIAL: A CONSTRUÇÃO DA PAISAGEM NO UNIVERSO DAS COISAS POLIDAS. MOSAICO (GOIÂNIA), v. 13, p. 13-26, 2020. B4

ABRANTES, Y. ; MEDEIROS, L. S. ; BENNEMANN, A. B. A. ; BENTO, D. M. ; TEIXEIRA, F. K. ; REZENDE, C. F. ; RAMOS, T. P. A. ; LIMA, S. M. Q. . Geographic distribution and conservation of seasonal killifishes (Cyprinodontiformes, Rivulidae) from the Mid-Northeastern Caatinga ecoregion, northeastern Brazil. NEOTROPICAL BIOLOGY AND CONSERVATION, v. 15, p. 301-315, 2020. B4

OLIVEIRA, L. M. N. ; SILVA, L. M. R. ; LIMA, A. C. S. ; ALMEIDA, R. R. ; RICARDO, N. M. P. S. ; FIGUEIREDO, E. A. T. ; FIGUEIREDO, R. W.. Characterization of rutin, phenolic compounds and antioxidant capacity of pulps and by-products of tropical fruits. RESEARCH, SOCIETY AND DEVELOPMENT, v. 9, p. 42942812, 2020.B4

VASCONCELOS, F. V. ; PONTES, M. M. ; FEITOSA, R. A. Utilização do enfoque Ciência Tecnologia e Sociedade: Uma abordagem dinâmica e lúdica numa perspectiva de aprendizagem significativa no ensino fundamental. Research, Society and Development, v. 9, p. 97922108-9722122, 2020.B4

PRACIANO, A. C. ; Gorayeb, A. ; MONTEIRO, L. A. Estudo de viabilidade do uso de energia eólica para irrigação da bananicultura do ceará. REVISTA BRASILEIRA DE AGRICULTURA IRRIGADA, v. 13, p. 3691-3702, 2020. B4

MARTINS, J. C. V.; SILVA, T. M. C.; OLIVEIRA, A. M. ; SILVA, E. V.; OLIVEIRA, I. P. R. A. Potencialidades turísticas e aspectos socioambientais em duas comunidades autoidentificadas indígenas no Rio Grande do Norte. REVISTA BRASILEIRA DE ECOTURISMO, v. 13, p. 192-206, 2020. B4

GORAYEB, A.; SANTOS, J. O. ; CUNHA, H. G. N.; SILVA, R. B. ; SOUZA, W. F. ; MESQUITA, R. D. P.; LIBÉRIO, L. S.; SILVA, F. D. S.; NASCIMENTO, S. L. M. ; MOTA, C. M.; GORAYEB, P. R.; PEREIRA FILHO, N. S. Pesquisa participativa para o mapeamento da COVID-19 na cidade de Fortaleza, Nordeste do Brasil. REVISTA BRASILEIRA DE EDUCAÇÃO AMBIENTAL (ONLINE), v. 15, p. 568-588, 2020. B4

REBOUÇAS, N. C. ; RIBEIRO, R. T. M. ; LOIOLA, M. I. B. Avaliação da aprendizagem sobre conceitos de morfologia vegetal em uma escola de ensino médio. REVISTA COCAR (ONLINE), v. 14, p. 1-22, 2020.B4

CAMINHA, A. Resolvendo recorrências. REVISTA MATEMÁTICA UNIVERSITÁRIA. v. 1, p. 23-31, 2020.B4

PRACIANO, J. B. A. ; FEITOSA, R. A. SCIENCE IN THE FINAL YEARS OF ELEMENTARY SCHOOL: A SYSTEMATIC LITERATURE REVIEW. Research, Society and Development, v. 9, p. e121963489-18, 2020.B4

SOARES NETO, J. ; FEITOSA, R. A. ; CERQUEIRA, G. S. Relação escola e família: estratégia na prevenção do uso de drogas. RESEARCH, SOCIETY AND DEVELOPMENT, v. 9, p. 164985130, 2020.B4

## QUALIS B5

LARANJA, MÁRCIO JUSTI ; DA SILVA, RENATA CRISTINA JÚLIO ; BISINOTI, MÁRCIA CRISTINA ; MOREIRA, ALTAIR BENEDITO ; BOSCOLO, MAURÍCIO ; FERREIRA, ODAIR PASTOR ; DE ALMEIDA MELO, CAMILA . Factorial design of experiments for extraction and screening analysis of organic compounds in hydrochar and its process water of sugar cane bagasse and vinasse. BIOMASS CONVERSION AND BIOREFINERY, DOI: 10.1007/s13399-020-01035-y, 2020.B5

MEDEIROS, S. R. A. ; OLIVEIRA, V. A. ; OLIVEIRA, A. M. C. ; ARAUJO, M. L. H. ; FEITOSA, J. P. A. ; PAULA, R. C. M. ; SOUSA, F. D. ; MOREIRA, A. C. O. M. ; BESERRA, F. J.; MOREIRA, R. A. Caesalpinia pulcherrima seed galactomannan on rheological properties of dairy desserts. CIÊNCIA RURAL, v. 50, p. e20190176, 2020.

Ferreira, MJG; Nascimento, PCN; Dias, FGB; Silva, LMR; Silveira, ER; Figueiredo, EAT. Antimicrobial activity and chemical characterization of the bark decoction of cumaru stem. CIENCIA RURAL Volume: 50 Edição: 3, Número do artigo: e20190785 (1-6), 2020.B5

ARAUJO, K. C. ; RIBEIRO, A. S. N. ; PEREIRA, O. A. ; GUZZI, A. ; ANDRADE, E. B. ; Ávila, R. W. HERPETOFAUNA OF THE ENVIRONMENTAL PROTECTION AREA DELTA DO PARNAÍBA, NORTHEASTERN BRAZIL. CUADERNOS DE HERPETOLOGÍA, v. 34, p. 00, 2020.B5

FERNANDES, J. S. ; SILVA, J. B. ; Muniz, A. M. V. CEARÁ E PANDEMIA DE COVID-19: NOVOS (VELHOS) DESAFIOS DAS REDES DOS SERVIÇOS DE SAÚDE. ENSAIOS DE GEOGRAFIA, v. 1, p. 87-93, 2020.B5

ANTONIOLI, R. ; SOUSA, D. ; Rodrigues, E. ; GUERREIRO, I. ; SILVA, C. ; MACIEL, T. ; CAVALCANTI, F. Unified Scheduling Framework for Dual Connectivity in Multi-RAT NSA 5G Networks. JOURNAL OF COMMUNICATION AND INFORMATION SYSTEMS (JCIS), v. 35, p. 203-207, 2020.B5

SILVA, G. M.; SANDES, M.O.; VASCONCELOS-FILHO, F. S. L.; ROCHA, D.S.; ROCHA-E-SILVA, R. C.; SILVA, C. A.; CHAVES, E. C.B.; BRITO, I. R.. RESPONSES OF PLASMA ADIPOKINES TO HIGH INTENSITY INTERVAL TRAINING: SYSTEMATIC REVIEW. REVISTA BRASILEIRA DE MEDICINA DO ESPORTE (ONLINE), v. 26, p. 262-266, 2020. B5

SOUZA, I. C. O. ; MAIA, G. A. M. ; ALMEIDA, N. M. ; ABREU NETO, J. C. ; FREIRE, G. ; ALBUQUERQUE, L. N. ; SILVEIRA, A. D. S. FÁCIES E ESTRATIGRAFIA DO CANAL DE MARÉ DO PORTO DA BARRA GRANDE, ICAPUÍ-CE. REVISTA DE GEOCIÊNCIAS DO NORDESTE, v. 6, p. 74-85, 2020.B5

SOUSA, J. B. ; NASCIMENTO, F. R. ; SOUZA, C. A. Bacia hidrográfica do ribeirão areado, minas gerais: caracterização das unidades geológicas, geomorfológicas e solos. REVISTA EQUADOR, v. 9, p. 54-73, 2020. B5

LEMOS, A. L. B. ; SOPCHAKI, C. H. Contribuição da ferramenta Digital Shoreline Analysis System nos estudos de dinâmica costeira no Estado do Ceará, Brasil. REVISTA EQUADOR, v. 9, p. 61-81, 2020.B5

SOUZA, R. P. R. ; CAVALCANTE, T. V. Bibliotecas comunitárias, lugares de resistência: uma leitura do espaço a partir dos espaços de leitura. REVISTA EQUADOR, v. 9, p. 150-165, 2020.B5

GALDINO, L. K. A. ; Gorayeb, A. Proposta metodológica no uso da cartografia social como ferramenta aos arranjos produtivos locais em comunidade indígena. REVISTA PRESENÇA GEOGRÁFICA, v. 7, p. 1-8, 2020. B5

CAJADO, D. M.; MEIRELES, A. J. A.; CASIMIRO FILHO, F. Estudo bibliométrico das produções científicas sobre economia ecológica, multifuncionalidade da agricultura e pesca artesanal. SINERGIA (FURG), v. 24, p. 65-72, 2020.B5

### **QUALIS C ou SEM QUALIS**

VETTORAZZI, M. B. ; FARIA, V. V. Manuel Antonio de Andrade Furtado Neto | 1963 - 2019. ARQUIVOS DE CIÊNCIAS DO MAR, v. 53, p. 7-23, 2020.C

BEZERRA RIBEIRO, F. ; MATTHEWS-CASCON, H. ; ERNESTO ARRUDA BEZERRA, L. RECORD OF THE PEA-CRAB *Calyptraeotheres garthi* (FENUCCI, 1975) (BRACHYURA, PINNOTHERIDAE) IN TROPICAL ATLANTIC OCEAN. ARQUIVOS DE CIÊNCIAS DO MAR, v. 53, p. 143-148, 2020.C

FARIAS, K. ; DA COSTA, R. F. ; MEIRA, A. S. ; DINIZ FILHO, J. ; BEZERRA, E. M. ; FREIRE, V. N. ; GUEST, P. ; NIKAHD, M. ; MA, X. ; GARDINER, M. G. ; BANWELL, M. G. ; DE OLIVEIRA, M. C. F. ; DE MORAES, M. O. ; PESSOA, C. O. The Antitumor Potential of the Isoflavonoids (+)- and (-)-2,3,9-Trimethoxypterocarpan: Mechanism-of-Action Studies. ACS Medicinal Chemistry Letters, v. 12, p. acsmedchemlett.0c00097-1, 2020.SEM QUALIS

DE MELO NUNES, R. ; CUNHA, P. L. R. ; PINTO, A. C. M. D. ; GIRÃO, V. C. C. ; DE ANDRADE FEITOSA, J. P. ; Rocha, F. A. C. Hylan G-F20 and galactomannan joint flares are associated to acute synovitis and release of inflammatory cytokines. Advances in Rheumatology, v. 60, p. 1-7, 2020.SEM QUALIS

Nunes-Nesi, A. ; MORALES, M. ; Araújo, W. L. ; GAGO, J. ; CARRIQUÍ, M. ; NADAL, M.; FLEXAS, J. ; Daloso, D. M. Mesophyll conductance: the leaf corridors for photosynthesis. BIOCHEMICAL SOCIETY TRANSACTIONS, v. x, p. x, 2020.S/Q

LARANJA, MÁRCIO J. ; DA SILVA, RENATA C.J. ; BISINOTI, MÁRCIA C. ; MOREIRA, ALTAIR B. ; Ferreira, Odair P. ; MELO, CAMILA A. . Semivolatile Organic Compounds In The Products From Hydrothermal Carbonisation Of Sugar Cane Bagasse And Vinasse By Gas Chromatography-Mass Spectrometry. Bioresource Technology Reports, v. 12, p. 100594, 2020.Sem qualis

MORENO, D. A. ; MONTEIRO, D. P. ; ALBUQUERQUE, D. F. ; ALVES, N. N. ; MARTINS, S. C. S. ; MARTINS, C. M. Características macroscópicas de actinobactérias: valorizando a diversidade do semiárido nas aulas práticas de microbiologia. *Brazilian Journal of Animal and Environmental Research*, v. 3, p. 1779-1785, 2020.S/Q

DE FARIAS, S. S. ; SANTOS, L. M. B. ; CUNHA, A. P. ; OLIVEIRA, D. F. ; PEREIRA, R. C. A. ; GUEDES, M. I. F. ; Ricardo, N. M. P. S. ; MORAES, S. M. *Brazilian Journal of Development*, v. 6, p. 44954-44960, 2020.S/QULAIS

DUARTE, A. V. ; SILVA, E. C. L. DA ; MELO, E. A. O. ; PEREIRA, F. M. M.; SOMBRA, A. S. B. . Characterization of the BFO-BZN-based electroceramic composite for application as DRA. *CERÂMICA*, v. 66, p. 1-6, 2020. C

VIEIRA, R. M. S. P. ; SESTINI, M. F.; TOMASELLA, J.; MARCHEZINI, V. ; PEREIRA, G. R. ; BARBOSA, A. A. ; SANTOS, F. C. ; RODRIGUEZ, D. A. ; DO NASCIMENTO, F. R.; SANTANA, M. O. ; BARRETO CAMPELLO, F. C.; OMETTO, J. P. H. B. Characterizing spatio-temporal patterns of social vulnerability to droughts, degradation and desertification in the Brazilian northeast. *Environmental and Sustainability Indicators*, v. 5, p. 100016-9, 2020. S/Q

CAMINHA, A. Argumentos de Densidade e o Lema de Kronecker. *ESPACIO MATEMÁTICO*. v. 1, p. 112-128, 2020. SEM QUALIS

GORAYEB, A.; AGUIAR, J. D. CARTOGRAFIA DA VIOLÊNCIA EM FORTALEZA:. Extensão em Ação, v. 19, p. 25-40, 2020. C

DE MORAIS, J. E. V. ; BESSA, V. L. ; FREITAS, M. C. S. ; MARTINS, V. C. ; SILVA, M. A. S. ; DE ANDRADE, H. D. ; QUEIROZ JÚNIOR, I. S. ; SOMBRA, A. S. B. . Novel Planar Capacitive Interdigital Multifinger (IDCM) Sensor for the Detection of the Ageing of Electrical Transformer Oil. *FINE CHEMICAL ENGINEERING*, v. 1, p. 31-36, 2020s/q

MOREIRA, K. S. ; DE OLIVEIRA, A. L. B. ; JÚNIOR, L. S. M. ; MONTEIRO, R. R. C. ; DA ROCHA, T. N. ; MENEZES, F. L. ; FECHINE, L. M. U. D. ; DENARDIN, J. C. ; MICHEA, S. ; Freire, R. M. ; FECHINE, P. B. A. ; SOUZA, M. C. M. ; DOS SANTOS, J. C. S. Lipase From *Rhizomucor miehei* Immobilized on Magnetic Nanoparticles: Performance in Fatty Acid Ethyl Ester (FAEE) Optimized Production by the Taguchi Method. *FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY*, v. 8, p. 1-17, 2020.C

SOUSA, M. L. M. ; OLIVEIRA, V. P. V. de ; VICTORIA, S. M. D. M. S. . Indicadores Socioeconômicos de Desertificação na Bacia Hidrográfica da Ribeira Grande de Santiago-CV.. *IBEROGRAFIAS: REVISTA DE ESTUDOS IBÉRICOS*, v. I, p. 65-88, 2020.C

OLIVEIRA, V. P. V. de. Experiência de uma Trajetória Acadêmica em Cabo Verde e África Continental. *IBEROGRAFIAS: REVISTA DE ESTUDOS IBÉRICOS*, v. 16, p. 89, 2020.C

WU, W. ; MARQUES, J. A. L. ; HAN, TAO ; MADEIRO, JOÃO P.V. ; LIRA NETO, A. ; GRAVINA, R. ; FORTINO, G. ; ALBUQUERQUE, V.. IoT-based Smart Health System for Ambulatory Maternal and Fetal Monitoring. *IEEE Internet of Things Journal*. 2020. s/q

SOUZA, S. M. A. R. ; MATTHEWS CASCON, HELENA ; COUTO, E. . Taxonomic and functional diversity of mollusk assemblages in a tropical rocky intertidal zone. *IHERINGIA SERIE ZOOLOGIA*, v. 110, p. 1-10, 2020. S/Q

DOS SANTOS PEREIRA, E. ; ALBUQUERQUE, L. M. ; DE QUEIROZ BALBINO, V. ; DA SILVA JUNIOR, W. J. ; BURBANO, R. M. R. ; GOMES, J. P. P. ; RABENHORST, S. H. B. Helicobacter pylori cagE, cagG, and cagM can be a prognostic marker for intestinal and diffuse gastric cancer. *INFECTION GENETICS AND EVOLUTION*, v. pp, p. 104477-104477, 2020.SEM QUALIS

CARVALHO, F. ; FEITOSA, V. ; RORIZ-FONTELES, C. ; RIBEIRO, T. ; ARAÚJO, B. ; AYALA, A. ; COSTA, F. Compositional and microhardness findings in tooth affected by X-linked hypophosphatemic rickets. *JOURNAL OF CLINICAL AND EXPERIMENTAL DENTISTRY*, v. 12, p. e688-e694, 2020. C

MENEZES, F.L.; ANDRADE NETO, D.M.; RODRIGUES,M.L.L; LIMA, H.L.S.; PAIVA,D.V.M.; DA SILVA, M.A.S.; L.M.U.D. SOMBRA,A.S.B.; FREIRE,R.M.; DENARDIN,J.C.; ROSA,M.F.; , M.S.M.; Pierre Basílio Almeida Fachine, P.S.A. From Magneto-Dielectric Biocomposite Films to Microstrip Antenna Devices. *JOURNAL OF COMPOSITES SCIENCES*. VOL. 4 (4), P. 144,2020. Sem qualis

SANTOS, L. C. M. L. ; PEREIRA, C. S. ; LIMA, H. M. ; MEDEIROS, R. S. ; GUEDES, P. J. A. ; SILVA, J. W. A. ; ARAUJO NETO, J. F. ; SANTOS, G. L. ; PAIXAO, M. S. Description and hierarchy of ductile deformation events in the Camalaú region, state of Paraíba, central portion of the Alto Moxotó Terrane, Borborema Province, Brazil. *JOURNAL OF THE GEOLOGICAL SURVEY OF BRAZIL*, v. 3, p. 25-31, 2020.s/Q

LIMA, H. M.; SANTOS, L. C. M. L. ; Argollo, R. M. De ; Santos, E. J. Geological and structural markers of the eastern Borborema Province based on a geotranssect covering the Paraíba, Pernambuco, Alagoas and Sergipe states, northeastern Brazil. *JOURNAL OF THE GEOLOGICAL SURVEY OF BRAZIL*, v. 3, p. 85-95, 2020.S/Q

FOETSCH, A. A. ; OLIVEIRA, Christian D. M. de . Geografia Simbólica Dos Cemitérios Em Perspectivas. *London Journal of Research in Humanities and Social Sciences*, v. 20, p. 07-25, 2020.S/Q

ALLARD, S. M. ; COSTA, MA.T. ; BULSECO, A. N. ; HELFER, V.; WILKINS, L. G. E. ; HASSENRÜCK, C. ; ZENGLER, K. ; ZIMMER, M. ; ERAZO, N. ; RODRIGUES,

J. L.M. ; DUKE, N ; MELO, V. M. M. ; VANWONTERGHEM, I.; JUNCA, H. ; MAKONDE, H. M. ; JIMÉNEZ, D. J. ; TAVARES, T. C. L. ; FUSI, M. ; DAFFONCHIO, D. ; DUARTE, C.M. ; PEIXOTO, R. S. ; ROSADO, A. S. ; GILBERT, J.A. ; BOWMAN, J. . Introducing the Mangrove Microbiome Initiative: Identifying Microbial Research Priorities and Approaches To Better Understand, Protect, and Rehabilitate Mangrove Ecosystems. *mSYSTEMS*, v. 5, p. 1-9, 2020

SILVA NETA, A. F. ; ALCANTARA, E. P. ; OLIVEIRA, C. R. ; CARVALHO, E. F. F. ; MORAIS, D.H. ; SILVA, R.J ; ÁVILA, R. W. . HELMINTOS ASOCIADOS CON 15 ESPECIES DE ANUROS DE LA MESETA DE IBIAPABA, EN EL NORESTE DE BRASIL. *NEOTROPICAL HELMINTHOLOGY*,. *NEOTROPICAL HELMINTHOLOGY*, v. 14, p. 197-206, 2020. C

CHAVES, A.; AZADANI, J. G. ; ALSALMAN, H. ; DA COSTA, D. R. ; FRISENDA, R. ; CHAVES, A. J. ; SONG, S. H.; KIM, Y. D. ; HE, D. ; ZHOU, J. ; CASTELLANOS-GOMEZ, A. ; Peeters, F. M. ; LIU, Z. ; HINKLE, C. L. ; OH, S. H.; YE, P. D. ; KOESTER, S. J. ; LEE, Y. H. ; AVOURIS, P. H. ; WANG, X. ; LOW, T. Bandgap engineering of two-dimensional semiconductor materials. *npj 2D Materials and Applications*, v. 4, p. 29, 2020. S/quails

SILVA, I. L. O. ; OLIVEIRA, C. D. M. Turismo religioso e devoção nas caravanas do Santuário Metropolitano Sertanejo de Canindé, Brasil. *PatryTer - REVISTA LATINOAMERICANA E CARIBENHA DE GEOGRAFIA E HUMANIDADES*, v. 3, p. 84-97, 2020.S/Q

COSTA, F. J. ; MAGALHÃES, A. C. Estado da questão: Arte no ensino de Química. *Pesquisa e Ensino*, v. 1, p. 202010-15, 2020.S/Q

SEYBOLD, HJ ; CARMONA, HA ; LEANDRO, FA ; ARAUJO, AD., ; NEPOMUCENO, F ; ANDRADE, JS., Flow through three-dimensional self-affine fractures.- *PHYSICAL REVIEW FLUIDS*. V.5 - e104101,2020.S/Q

DE ARAÚJO, J. L. B. ; DE SOUSA, J. S. ; FERREIRA, W. P. ; OLIVEIRA, C. L. N. Viscoelastic multiscaling in immersed networks. *PHYSICAL REVIEW RESEARCH*, v. 2, p. 033222, 2020. .S/Q

MOONLIGHT, P. W.; BANDA-R, K.; PHILLIPS, O. L.; DEXTER, K. G.; PENNINGTON, R. T.; BAKER, T. R.; C. DE LIMA, H.; FAJARDO, L.; GONZÁLEZ'M, R.; LINARES-PALOMINO, R.; LLOYD, J.; NASCIMENTO, M.; PRADO, D.; QUINTANA, C.; RIINA, R.; RODRÍGUEZ M., G. M.; MARIA VILLELA, D.; AQUINO, A. C. M. M.; ARROYO, L.; BEZERRA, C.; TADEU BRUNELLO, A.; BRIENEN, R. J. W.; CARDOSO, D.; CHAO, K.-J.; COTTA COUTINHO, Í. A. , *et al.* ; Expanding tropical forest monitoring into Dry Forests: The DRYFLOR protocol for permanent plots. *PLANTS, PEOPLE, PLANET*, v. 2, p. xxx, 2020.S/Q

GOMES, J. K. P. ; ARAÚJO, C. B. C. ; AYRES, T. M. C. Análise da Capacidade de Carga de Fundações Superficiais por Diferentes Metodologias. RCT: REVISTA DE CIÊNCIA E TECNOLOGIA, v. 6, p. 1-16, 2020.C

BRITO, D. C. C. ; DOMINGUES, S. F. S. ; RODRIGUES, A. P. R. ; SILVA, L. M. ; ALVES, K. A. ; WU, X. ; FRANCISCO, T. S. ; BARROSO NETO, I. L. ; Freire, V. N. ; FIGUEIREDO, J. R. ; PIECZARKA, J. C. ; SANTOS, R. R. Betaine-loaded CaCO<sub>3</sub> microparticles improve survival of vitrified feline preantral follicles through higher mitochondrial activity and decreased reactive oxygen species. REPRODUCTION FERTILITY AND DEVELOPMENT, v. -, p. -, 2020. s/Q

SILVA, J. L. C.; VIANA, G. V. R. ; SILVA, B. C. H.. An Efficient Genetic Algorithm for the No-wait Flowshop Scheduling Problem. RESEARCH INVENTORY: INTERNATIONAL JOURNAL OF ENGINEERING AND SCIENCE, v. 10, p. 32-43, 2020. C

SILVA, J. L. C.; VIANA, G. V. R. ; [SILVA, B. C. H.](#). The Permutation Flowshop Scheduling Problem: An Efficient Genetic Algorithm. RESEARCH INVENTORY: INTERNATIONAL JOURNAL OF ENGINEERING AND SCIENCE, v. 10, p. 06-17, 2020. C

COSTA, F. E. V. ; LEAL, A. C. ; BORDALO, C. A. L. ; SILVA, E. V. . Gestão dos recursos hídricos no estado do Pará-Brasil: uma análise de quinze anos de promulgação da lei nº 6.381/2001 (2001 ? 2016). Revista Ciência Geográfica, v. XXIV, p. 712-728, 2020.S/Q

BRAGA, L. Q. V.; MEIRELES, A. J. A. OS SENTIDOS DA RESOLUÇÃO NEGOCIADA DE UM CONFLITO SOCIOAMBIENTAL NO SERTÃO DO CEARÁ. REVISTA CONEXÕES - CIÊNCIA E TECNOLOGIA, v. 14, p. 86, 2020.

FEITOSA, R. A.; DIAS, A. M. I. ; SOUSA, E. T. ; FERREIRA, Y. B. Contribuições do PIBID Para a Formação De Licenciandos Em Biologia. REVISTA DE ENSINO DE CIÊNCIAS E MATEMÁTICA (REnCiMa), v. 11, p. 113-128, 2020. S/Qualis

J. E. B., FREITAS ; T. T., BEZERRA ; M. O., ALMEIDA ; N. M. A., LIMA ; A. E., COSTA JÚNIOR ; S. G., SAMPAIO ; V. G. P., RIBEIRO ; R. M., AMARAL ; L. I. L., FARIA ; D. R., LEIVA ; D. H., MILANEZ ; S. E., MAZZETTO . Impact of the Biodiversity Provisional Measure on Biotechnology Patenting in Brazil. REVISTA GEINTEC: GESTÃO, INOVAÇÃO E TECNOLOGIAS, v. 10, p. 5583-5599, 2020. C

MOURA, JVB; MELO, EAO; LIMA, CD; FREIRE, PDC ; Photocatalytic activity of molybdates: a technological,REVISTA GEINTEC-GESTAO INOVACAO E TECNOLOGIAS - Volume: 10 - Edição: 1 - Páginas: 5302-5313, 2020. C

MEDEIROS, J. A. ; OLIVEIRA, V. P. V. de . A importância da Faveleira na Conservação da Caatinga: uma análise após o ciclo de secas 2012-202018 em área em processo de desertificação.. REVISTA GEOTEMAS, v. 10, p. 06, 2020.C



QUEIROZ, E. A. N. ; BARBOSA, M. E. S. O estágio curricular supervisionado em geografia e o uso das mídias impressas no ensino fundamental: relatos de experiências. REVISTA HOMEM, ESPAÇO E TEMPO, v. 1, p. 48-64, 2020. C

SANTANA, G. B. ; NÓBREGA, D. C. ; OLIVEIRA, J. T. ; MARTINS, I. A. ; NASCIMENTO, R. F. ; VIDAL, C. B. Aplicação da semente de moringa (Moringa oleífera) como coagulante natural no tratamento de efluente de indústria de tintas no Ceará. REVISTA TECNOLOGIA (UNIFOR), v. 41, p. 1-17, 2020.C

PEIXOTO, F. S. ; CAVALCANTE, I. N. ; GOMES, D. F. Influence of land use and sanitation issues in water quality of urban aquifer. WARM-D-19-00623R2, v. 34, p. 653-674, 2020.S/Q

GARCIA, K. G. V. ; MENDES FILHO, P. F. ; PINHEIRO, J. I. ; DO CARMO, J. F. ; DE ARAÚJO PEREIRA, A. P. ; MARTINS, C. M. ; DE ABREU, M. G. P. ; OLIVEIRA FILHO, J. S. Attenuation of Manganese-Induced Toxicity in *Leucaena leucocephala* Colonized by Arbuscular Mycorrhizae. WATER AIR AND SOIL POLLUTION, v. 231, p. 1-15, 2020.

OLIVEIRA, A. G. ; ABDALA NETO, E. F.; RIBEIRO, J.P. ; NASCIMENTO, R.F. . Removal of natural organic matter from aqueous solutions using electrocoagulation pulsed current: optimization using response surface methodology. WATER SCIENCE AND TECHNOLOGY, p. 1-10, 2020.

MEIRELES, A. J. A.; SOUZA, WALLASON FARIAS DE ; SILVA, A. L. B. ; LIMA, A. P. S. ; ARIMATEA DA SILVA, JOSÉ . Geomorfologia e os serviços ecológicos como fundamentos para a gestão integrada da planície costeira de Icapuí, Ceará, nordeste do Brasil.. Willian Moris Davis Revista de Geomorfologia, v. 1, p. 210-231, 2020.

ANTONIOLI, R. P. ; GUERREIRO, I. M. ; SOUSA, D. A. ; RODRIGUES, E. B.; E SILVA, C. F. M. ; MACIEL, T. F. ; CAVALCANTI, F. R. P. User-assisted bearer split control for dual connectivity in multi-RAT 5G networks. WIRELESS NETWORKS, v. 1, p. 1-14, 2020.

UNIDADE ACADÊMICA	Classificação Qualis com estratificação								TOTAL
	A1	A2	B1	B2	B3	B4	B5	C ou sem Qualis	
Produção Científica									
Artigos completos publicados em periódicos NACIONAIS (Qualis Capes)	3	14	15	23	20	15	13	20	123
Artigos completos publicados em periódicos INTERNACIONAIS (Qualis Capes)	129	116	132	63	21	2	0	25	488
Trabalhos completos publicados em anais de eventos técnico-científicos NACIONAIS (Qualis Capes)									22
Trabalhos completos publicados em anais de eventos técnico-científicos INTERNACIONAIS (Qualis Capes)									32
Comunicações em Congressos NACIONAIS (Apresentação na Modalidade Oral ou Pôster/Banner; Resumo expandido/Resumo) segundo Classificação Qualis com estratificação	Somente o total								15
Comunicações em Congressos INTERNACIONAIS (Apresentação na Modalidade Oral ou Pôster/Banner; Resumo expandido/Resumo) segundo Classificação Qualis com estratificação	Somente o total								9

UNIDADE ACADÊMICA – Centro de Ciências	Quantidade
Livros publicados no período	5
Capítulos de livros publicados no período	60