

2021	Title	Authors	Scopus Source title	Volume	Pages
1	Atomic-Precision Tailoring of Au-Ag Core-Shell Composite Nanoparticles for Direct Electrochemical-Plasmonic Hydrogen Evolution in Water Splitting	Mo, J.   <b>Barbosa, E.C.M.</b>   Wu, S.   Li, Y.   Sun, Y.   Xiang, W.   Li, T.   Pu, S.   Robertson, A.   Wu, T.-S.   Soo, Y.-L.   <b>Ally Rocha, D.P.</b>   <b>Ataide, V.N.</b>   de Siervo, A.   <b>Gonçalves, J.M.</b>   Muñoz, R.A.A.   <b>Paixão, T.R.L.C.</b>   <b>Angnes, L.</b>	Advanced Functional Materials	31	-
2	Reagentless and sub-minute laser-scribing treatment to produce enhanced disposable electrochemical sensors via additive manufacture	<b>Galhardo, T.S.</b>   <b>Braga, A.H.</b>   <b>Arpini, B.H.</b>   Szanyi, J.   Gonçalves, R.V.   Zornio, B.F.   Miranda, C.R.   <b>Rossi, L.M.</b>	Chemical Engineering Journal	425	-
3	Optimizing Active Sites for High CO Selectivity during CO <sub>2</sub> Hydrogenation over Supported Nickel Catalysts	<b>Gonçalves, J.M.</b>   Martins, P.R.   <b>Araki, K.</b>   <b>Angnes, L.</b>	Journal of the American Chemical Society	143	4268-4280
4	Recent progress in water splitting and hybrid supercapacitors based on nickel-vanadium layered double hydroxides	<b>de Souza Rodrigues, M.P.</b>   <b>Dourado, A.H.B.</b>   <b>de Cutilo, L.O.</b>   <b>Parreira, L.S.</b>   Alves, T.V.   Slater, T.J.A.   Haigh, J.	Journal of Energy Chemistry	57	496-515
5	Gold-rhodium nanoflowers for the plasmon-enhanced hydrogen evolution reaction under visible light	<b>Gonçalves, J.M.</b>   Silva, M.N.T.   Naik, K.K.   Martins, P.R.   Rocha, D.P.   Nossol, E.   Munoz, R.A.A.   <b>Angnes, L.</b>   <b>R</b>	ACS Catalysis	11	13543-13555
6	Multifunctional spinel MnCo <sub>2</sub> O <sub>4</sub> -based materials for energy storage and conversion: a review on emerging trends, recent developments and future perspectives	<b>Masini, J.C.</b>   <b>do Nascimento, F.H.</b>   Vitek, R.	Journal of Materials Chemistry A	9	3095-3124
7	Porous monolithic materials for extraction and preconcentration of pollutants from environmental waters	<b>Dias, Kevin de Aquino</b>   <b>Pereira Junior, M.V.P.</b>   <b>Andrade, L.H.</b>	Trends in Environmental Analytical Chemistry	29	-
8	Benzoic acid resin (BAR): a heterogeneous redox organocatalyst for continuous flow synthesis of benzoquinones from β-O-4 lignin models	Munoz, M.   El-Khoury, A.   Eren Cimenci, C.   Gonzalez-Gomez, M.   Hunter, R.A.   Lomboni, D.   Variola, F.   Rotstein, M.	Green Chemistry	23	2308-2316
9	Riboflavin Surface Modification of Poly(vinyl chloride) for Light-Triggered Control of Bacterial Biofilm and Virus Inactivation	Munoz, M.   El-Khoury, A.   Eren Cimenci, C.   Gonzalez-Gomez, M.   Hunter, R.A.   Lomboni, D.   Variola, F.   Rotstein, M.	ACS Applied Materials and Interfaces	13	32251-32262
10	Bringing Earth-Abundant Plasmonic Catalysis to Light: Gram-Scale Mechanochemical Synthesis and Tuning of Activity by Dual Excitation of Antenna	Quiroz, J.   de Oliveira, P.F.M.   Shetty, S.   Oropeza, F.E.   de la Peña O'Shea, V.A.   Rodrigues, L.C.V.   <b>de S. Rodri</b>	ACS Sustainable Chemistry and Engineering	9	9750-9760

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1	Mercury threatens human health in Brazil	Negahdary, M.   <b>Santos, B.G.</b>   Angnes, L.	Science	377	-
2	CTAB-modified carboxymethyl cellulose/bagasse cryogels for the efficient removal of bisphenol A, methylene blue and Cr(VI) ions: Batch and column studies	Meneses, I.P.   <b>Novaes, S.D.</b>   Dezotti, R.S.   Oliveira, P.V.   Petri, D.F.S.	Journal of Hazardous Materials	421	-
3	Regioselective Plasmon-Driven Decarboxylation of Mercaptobenzoic Acids Triggered by Distinct Reactive Oxygen Species	<b>Dos Santos Lopes, D.</b>   <b>Dos Santos Abreu, D.</b>   <b>Ando, R.A.</b>   <b>Corio, P.</b>	ACS Catalysis	12	14619-14628
4	Recent progress in water-splitting and supercapacitor electrode materials based on MOF-derived sulfides	<b>da Silva, M.I.</b>   <b>Machado, I.R.</b>   <b>Toma, H.E.</b>   <b>Araki, K.</b>   <b>Angnes, L.</b>   <b>Gonçalves, J.M.</b>	Journal of Materials Chemistry A	10	430-474
5	Vanillin crosslinked chitosan films: The states of water and the effect of carriers on curcumin uptake	<b>da Silva, R.L.C.G.</b>   <b>Bernardinelli, O.D.</b>   <b>Frachini, E.C.G.</b>   <b>Ulrich, H.</b>   <b>Sabadini, E.</b>   <b>Petri, D.F.S.</b>	Carbohydrate Polymers	292	-
6	Carboxymethyl cellulose/sugarcane bagasse/polydopamine adsorbents for efficient removal of Pb <sup>2+</sup> ions from synthetic and undergraduate laboratory wastewater	<b>Furtado, L.M.</b>   Fuentes, D.P.   Ando, R.A.   Oliveira, P.V.   Siqueira Petri, D.F.	Journal of Cleaner Production	380	-
7	Different approaches for fabrication of low-cost electrochemical sensors	Stefano, J.S.   Orzari, L.O.   Silva-Neto, H.A.   <b>de Ataide, V.N.</b>   <b>Mendes, L.F.</b>   Coltro, W.K.T.   Longo Cesar Paixão	Current Opinion in Electrochemistry	32	-
8	Tuning CO <sub>2</sub> Hydrogenation Selectivity by N-Doped Carbon Coating over Nickel Nanoparticles Supported on SiO <sub>2</sub>	<b>Arpini, B.H.</b>   <b>Braga, A.H.</b>   <b>Borges, L.R.</b>   <b>Vidinha, P.</b>   <b>Gonçalves, R.V.</b>   <b>Szanyi, J.</b>   <b>Rossi, L.M.</b>	ACS Sustainable Chemistry and Engineering	10	2331-2342
9	Layered graphene/hexagonal boron nitride nanosheets (Gr/h-BNNS) applied to the CO <sub>2</sub> photoconversion into methanol	Gomes, P.V.R.   <b>Azeredo, N.F.B.</b>   Garcia, L.M.S.   Zambiasi, P.J.   <b>Morselli, G.R.</b>   Ando, R.A.   Otubo, L.   Lazar, D.	Applied Materials Today	29	-
10	Crosslinkers for polysaccharides and proteins: Synthesis conditions, mechanisms, and crosslinking efficiency, a review	Alavarse, A.C.   <b>Frachini, E.C.G.</b>   <b>da Silva, R.L.C.G.</b>   Lima, V.H.   Shavandi, A.   Petri, D.F.S.	International Journal of Biological Macromolecules	202	558-596

\* (OK)

\*(não e aluno do programa)

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Pedro Camarco (27/03/2019 até 27/03/2023)