

Pedro de Lima-Neto

List of Publications by Year in descending order

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156
papers

3,688
citations

147566
31
h-index

182168
51
g-index

156
all docs

156
docs citations

156
times ranked

4274
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the corrosion inhibition of carbon steel and copper in sulphuric acid medium by amino acids using electrochemical techniques allied to molecular modelling methods. <i>Corrosion Science</i> , 2017, 115, 41-55.	3.0	189
2	Characterisation of surfaces modified by sol-gel derived RuO ₂ coatings for oxygen evolution in acid medium. <i>Electrochimica Acta</i> , 1998, 44, 1515-1523.	2.6	183
3	Influence of the preparation method on the morphological and electrochemical properties of Ti/IrO ₂ -coated electrodes. <i>Electrochimica Acta</i> , 2000, 45, 4467-4473.	2.6	134
4	Sensitization evaluation of the austenitic stainless steel AISI 304L, 316L, 321 and 347. <i>Journal of Materials Science</i> , 2005, 40, 139-144.	1.7	115
5	Deformation induced martensite in an AISI 301LN stainless steel: characterization and influence on pitting corrosion resistance. <i>Materials Research</i> , 2007, 10, 359-366.	0.6	94
6	Biosensor based on multi-walled carbon nanotubes paste electrode modified with laccase for pirimicarb pesticide quantification. <i>Talanta</i> , 2013, 106, 137-143.	2.9	87
7	Study of the anticorrosive behaviour of epoxy binders containing non-toxic inorganic corrosion inhibitor pigments. <i>Progress in Organic Coatings</i> , 2008, 62, 344-350.	1.9	86
8	Sol-gel thin films for corrosion protection. <i>Ceramics International</i> , 1995, 21, 403-406.	2.3	76
9	Morphological, structural, microhardness and electrochemical characterisations of electrodeposited Cr and Ni-W coatings. <i>Electrochimica Acta</i> , 2010, 55, 2078-2086.	2.6	72
10	Sensitive bi-enzymatic biosensor based on polyphenoloxidases-gold nanoparticles-chitosan hybrid film-graphene doped carbon paste electrode for carbamates detection. <i>Bioelectrochemistry</i> , 2014, 98, 20-29.	2.4	72
11	Square wave voltammetric determination of nitrofurantoin in pharmaceutical formulations on highly boron-doped diamond electrodes at different boron-doping contents. <i>Talanta</i> , 2010, 80, 1730-1736.	2.9	60
12	Laccase-Prussian blue film-graphene doped carbon paste modified electrode for carbamate pesticides quantification. <i>Biosensors and Bioelectronics</i> , 2013, 47, 292-299.	5.3	57
13	Fast ultrasound assisted synthesis of chitosan-based magnetite nanocomposites as a modified electrode sensor. <i>Carbohydrate Polymers</i> , 2016, 151, 760-769.	5.1	57
14	Sol-gel TiO ₂ -SiO ₂ films as protective coatings against corrosion of 316L stainless steel in H ₂ SO ₄ solutions. <i>Journal of Applied Electrochemistry</i> , 1995, 25, 142-148.	1.5	56
15	Sol-gel coatings for chemical protection of stainless steel. <i>Journal of Sol-Gel Science and Technology</i> , 1994, 2, 529-534.	1.1	53
16	Determination of the sensitized zone extension in welded AISI 304 stainless steel using non-destructive electrochemical techniques. <i>Corrosion Science</i> , 2008, 50, 1149-1155.	3.0	53
17	Cold deformation effect on the microstructures and mechanical properties of AISI 301LN and 316L stainless steels. <i>Materials & Design</i> , 2011, 32, 605-614.	5.1	49
18	Simple laccase-based biosensor for formetanate hydrochloride quantification in fruits. <i>Bioelectrochemistry</i> , 2014, 95, 7-14.	2.4	49

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19	Corrosion study of electrodeposited Zn and Zn-Co coatings in chloride medium. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 1164-1175.	0.6	46
20	Electroanalytical Determination of Promethazine Hydrochloride in Pharmaceutical Formulations on Highly Boron-Doped Diamond Electrodes Using Square-Wave Adsorptive Voltammetry. <i>Electroanalysis</i> , 2008, 20, 2031-2039.	1.5	45
21	Electroanalysis of Pharmaceuticals on Boron-Doped Diamond Electrodes: A Review. <i>ChemElectroChem</i> , 2019, 6, 2350-2378.	1.7	45
22	Cu-Sn coatings obtained from pyrophosphate-based electrolytes. <i>Surface and Coatings Technology</i> , 2007, 201, 7216-7221.	2.2	44
23	Current overview and perspectives on carbon-based (bio)sensors for carbamate pesticides electroanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 124, 115779.	5.8	43
24	Multi-walled carbon nanotubes-cobalt phthalocyanine modified electrode for electroanalytical determination of acetaminophen. <i>Journal of Electroanalytical Chemistry</i> , 2016, 772, 9-16.	1.9	42
25	Electrochemical determination diethylstilbestrol by a multi-walled carbon nanotube/cobalt phthalocyanine film electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 933-942.	4.0	41
26	Insights into electrodegradation mechanism of tebuconazole pesticide on Bi-doped PbO ₂ electrodes. <i>Electrochimica Acta</i> , 2015, 154, 278-286.	2.6	39
27	Electrodeposition of indium on copper from deep eutectic solvents based on choline chloride and ethylene glycol. <i>Electrochimica Acta</i> , 2017, 235, 553-560.	2.6	39
28	Voltammetric determination of ketoconazole using a polished silver solid amalgam electrode. <i>Electrochimica Acta</i> , 2010, 55, 9083-9089.	2.6	37
29	Application of Nanostructured Carbon-Based Electrochemical (Bio)Sensors for Screening of Emerging Pharmaceutical Pollutants in Waters and Aquatic Species: A Review. <i>Nanomaterials</i> , 2020, 10, 1268.	1.9	37
30	Corrosion investigation of the 18Ni 300 grade maraging steel in aqueous chloride medium containing H ₂ S and CO ₂ . <i>Electrochimica Acta</i> , 2018, 286, 339-349.	2.6	35
31	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 1999, 15, 87-91.	1.1	34
32	Morphological, structural, microhardness and corrosion characterisations of electrodeposited Ni-Mo and Cr coatings. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1968-1976.	0.6	33
33	Factorial design in the electrodeposition of Co-Mo coatings and their evaluations for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2017, 723, 164-171.	2.8	33
34	Study of conversion coatings obtained from tungstate-phosphoric acid solutions. <i>Corrosion Science</i> , 2005, 47, 709-722.	3.0	32
35	Electrodeposition and corrosion behaviour of a Ni-W-B amorphous alloy. <i>Journal of Applied Electrochemistry</i> , 2006, 36, 105-113.	1.5	32
36	A comparative study of the physicochemical and electrochemical properties of Cr and Ni-W-P amorphous electrocoatings. <i>Electrochimica Acta</i> , 2006, 51, 4928-4933.	2.6	31

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37	Evaluation of antioxidant action by electrochemical and accelerated oxidation experiments of phenolic compounds derived from cashew nut shell liquid. <i>Industrial Crops and Products</i> , 2015, 67, 281-286.	2.5	31
38	Chemical, morphological and corrosion characterisations of electrodeposited Ni-Fe-P coatings. <i>Electrochimica Acta</i> , 2018, 284, 18-23.	2.6	31
39	Molinate quantification in environmental water by a glutathione-S-transferase based biosensor. <i>Talanta</i> , 2013, 106, 249-254.	2.9	29
40	Corrosion aspects of alkyd paints modified with linseed and soy oils. <i>Electrochimica Acta</i> , 2010, 55, 6204-6211.	2.6	28
41	Electroanalysis of formetanate hydrochloride by a cobalt phthalocyanine functionalized multiwalled carbon nanotubes modified electrode: characterization and application in fruits. <i>Electrochimica Acta</i> , 2016, 194, 187-198.	2.6	27
42	The influence of H-absorption on the cathodic response of high area nickel electrodes in alkaline solutions. <i>Electrochimica Acta</i> , 1994, 39, 1757-1761.	2.6	26
43	A simple and sensitive detection of diquat herbicide using a dental amalgam electrode A comparison using the chromatographic technique. <i>Talanta</i> , 2009, 79, 1216-1222.	2.9	26
44	Square-wave adsorptive voltammetry of dexamethasone: Redox mechanism, kinetic properties, and electroanalytical determinations in multicomponent formulations. <i>Analytical Biochemistry</i> , 2011, 413, 148-156.	1.1	26
45	Characterisation of electrodeposited and heat-treated Ni ²⁺ Mo ⁶⁺ P coatings. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 328-334.	0.6	26
46	Two-Level Adsorption of Ibuprofen on C ₆₀ Fullerene for Transdermal Delivery: Classical Molecular Dynamics and Density Functional Theory Computations. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24501-24511.	1.5	24
47	Amphiphilic porphyrin-cardanol derivatives in Langmuir and Langmuir-Blodgett films applied for sensing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 425, 68-75.	2.3	24
48	Diclofenac on Boron-Doped Diamond Electrode: From Electroanalytical Determination to Prediction of the Electrooxidation Mechanism with HPLC-ESI/HRMS and Computational Simulations. <i>Langmuir</i> , 2014, 30, 5645-5654.	1.6	24
49	Chlorhexidine digluconate on chitosan-magnetic iron oxide nanoparticles modified electrode: Electroanalysis and mechanistic insights by computational simulations. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 417-425.	4.0	23
50	Carbon steel corrosion inhibition in acid medium by imidazole-based molecules: Experimental and molecular modelling approaches. <i>Journal of Molecular Liquids</i> , 2021, 326, 115330.	2.3	23
51	Electrochemical and computational studies of phenolic antioxidants from cashew nut shell liquid. <i>Electrochimica Acta</i> , 2012, 79, 67-73.	2.6	22
52	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. <i>Journal of Molecular Structure</i> , 2020, 1220, 128765.	1.8	22
53	Quantum computational investigations and molecular docking studies on amentoflavone. <i>Heliyon</i> , 2021, 7, e06079.	1.4	22
54	Carbon-fibre microelectrodes coupled with square-wave voltammetry for the direct analysis of dimethomorph fungicide in natural waters. <i>Microchemical Journal</i> , 2013, 109, 84-92.	2.3	21

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55	Imipramine sensing in pharmaceutical formulations using boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2017, 788, 118-124.	1.9	21
56	Sensing of formetanate pesticide in fruits with a boron-doped diamond electrode. <i>Microchemical Journal</i> , 2018, 142, 24-29.	2.3	21
57	Evaluation of the corrosion behavior of galvanized steel in chloride aqueous solution and in tropical marine environment. <i>Journal of Applied Electrochemistry</i> , 2006, 36, 375-383.	1.5	20
58	The vibrational properties of the bee-killer imidacloprid insecticide: A molecular description. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 245-255.	2.0	20
59	Electroanalysis of Imidacloprid Insecticide in River Waters Using Functionalized Multi-Walled Carbon Nanotubes Modified Glassy Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 2018, 165, B431-B435.	1.3	20
60	Studies on electrodeposition of corrosion resistant Ni-Fe-Mo alloy. <i>Journal of Materials Science</i> , 2007, 42, 2290-2296.	1.7	19
61	Monoclinic and orthorhombic cysteine crystals are small gap insulators. <i>Chemical Physics Letters</i> , 2011, 512, 208-210.	1.2	19
62	Electrochemical mechanism and kinetics studies of haloperidol and its assay in commercial formulations. <i>Electrochimica Acta</i> , 2011, 56, 2036-2044.	2.6	18
63	Computational modeling of functionalized multi-walled carbon nanotubes dispersed in polyethylenimine for electrochemical sensing of acetaminophen. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 969-978.	4.0	18
64	Electrochemical sensor based on multi-walled carbon nanotubes for imidacloprid determination. <i>Analytical Methods</i> , 2021, 13, 2124-2136.	1.3	18
65	The influence of citrate and tartrate on the electrodeposition and surface morphology of Cu-Ni layers. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 415-422.	1.5	17
66	Dispersion of multi-walled carbon nanotubes in [BMIM]PF ₆ for electrochemical sensing of acetaminophen. <i>Materials Science and Engineering C</i> , 2018, 88, 148-156.	3.8	17
67	Electrochemical sensing of thiabendazole in complex samples using boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2020, 866, 114179.	1.9	17
68	The effect of water on the physicochemical properties of an ethylene glycol and choline chloride mixture containing Cu ²⁺ ions: electrochemical results and dynamic molecular simulation approach. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9321-9327.	1.3	16
69	Effects of electrodeposition parameters on corrosion resistance of ZnSn coatings on carbon steel obtained from eutectic mixture based on choline chloride and ethylene glycol. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161159.	2.8	16
70	A novel procedure in the galvanic deposition of Zn alloys for the preparation of large area Ni and Ni-Co surfaces. <i>Journal of Applied Electrochemistry</i> , 1996, 26, 431-437.	1.5	15
71	Electrodeposition of 1-D tellurium nanostructure on gold surface from choline chloride-urea and choline chloride-ethylene glycol mixtures. <i>Journal of Molecular Liquids</i> , 2019, 288, 111038.	2.3	15
72	Structural, Vibrational and Electrochemical Analysis and Antibacterial Potential of Isomeric Chalcones Derived from Natural Acetophenone. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4713.	1.3	15

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73	In silico study of the potential interactions of 4- α -acetamidochalcones with protein targets in SARS-CoV-2. <i>Biochemical and Biophysical Research Communications</i> , 2021, 537, 71-77.	1.0	15
74	Effects of Low-Temperature Aging on AISI 444 Steel. <i>Journal of Materials Engineering and Performance</i> , 2005, 14, 367-372.	1.2	14
75	Sensitive Determination of the Diquat Herbicide in Fresh Food Samples on a Highly Boron-Doped Diamond Electrode. <i>Electroanalysis</i> , 2010, 22, 2502-2510.	1.5	14
76	Utilização de eletrodos sólidos de amálgama para a determinação analítica de compostos orgânicos e inorgânicos. <i>Química Nova</i> , 2011, 34, 487-496.	0.3	14
77	Electroanalytical Performance of (SiPy ⁺ Cl ⁻ /CuTsPc) ₅ LbL Film for Detecting Promethazine Hydrochloride. <i>Electroanalysis</i> , 2011, 23, 1814-1820.	1.5	14
78	Phosphate group vibrational signatures of the osteoporosis drug alendronate. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 801-806.	1.2	14
79	Simultaneous electrochemical sensing of emerging organic contaminants in full-scale sewage treatment plants. <i>Chemical Engineering Journal</i> , 2015, 267, 347-354.	6.6	14
80	Pitting corrosion resistance of austenitic and superaustenitic stainless steels in aqueous medium of NaCl and H ₂ SO ₄ . <i>Journal of Materials Research</i> , 2016, 31, 1755-1763.	1.2	14
81	Chitosan-magnetite nanocomposite as a sensing platform to bendiocarb determination. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7229-7238.	1.9	14
82	Rose Bengal incorporated to β -cyclodextrin microparticles for photodynamic therapy against the cariogenic microorganism <i>Streptococcus mutans</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 25, 111-118.	1.3	14
83	Evaluation of the anticorrosive properties of environmental friendly inorganic corrosion inhibitors pigments. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 756-762.	0.6	13
84	Synthesis, characterization and catalytic performance of metal-containing mesoporous carbons for styrene production. <i>Applied Catalysis A: General</i> , 2011, 395, 53-63.	2.2	13
85	Four-level levodopa adsorption on C60 fullerene for transdermal and oral administration: a computational study. <i>RSC Advances</i> , 2012, 2, 8306.	1.7	13
86	Direct electrochemical analysis of dexamethasone endocrine disruptor in raw natural waters. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 110-119.	0.6	13
87	Square Wave Adsorptive Stripping Voltammetry Determination of Chlorpyrifos in Irrigation Agricultural Water. <i>Journal of Analytical Chemistry</i> , 2018, 73, 695-704.	0.4	13
88	Structural and Optoelectronic Properties of the β -, γ -, and δ -Glycine Polymorphs and the Glycine Dihydrate Crystal: A DFT Study. <i>Crystal Growth and Design</i> , 2019, 19, 5204-5217.	1.4	13
89	Title is missing!. <i>Journal of Materials Science</i> , 2003, 38, 3527-3533.	1.7	12
90	An ab initio explanation of the activation and antagonism strength of an AMPA-sensitive glutamate receptor. <i>RSC Advances</i> , 2013, 3, 14988.	1.7	12

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91	Analytical determination of nimesulide and ofloxacin in pharmaceutical preparations using square-wave voltammetry. <i>Journal of Analytical Chemistry</i> , 2014, 69, 62-71.	0.4	12
92	Computational electronic structure of the bee killer insecticide imidacloprid. <i>New Journal of Chemistry</i> , 2016, 40, 10353-10362.	1.4	12
93	Polyethylenimine-Multi-Walled Carbon Nanotubes/Glassy Carbon Electrode as an Efficient Sensing Platform for Promethazine. <i>Journal of the Electrochemical Society</i> , 2020, 167, 107506.	1.3	12
94	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. <i>Journal of Molecular Structure</i> , 2021, 1227, 129692.	1.8	12
95	Title is missing!. <i>Journal of Materials Science</i> , 2003, 38, 1007-1011.	1.7	11
96	Structural and morphological investigations of the electrodeposited Cr and Ni-Cr-P coatings and their electrochemical behaviors in chloride aqueous medium. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 1419-1427.	0.6	11
97	5-(4-pyridinyl)-1,3,4-oxadiazole-2-thiol on gold: SAM Formation and electroactivity. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 711-719.	0.6	11
98	Modeling of laccase inhibition by formetanate pesticide using theoretical approaches. <i>Bioelectrochemistry</i> , 2016, 108, 46-53.	2.4	11
99	Effect of additives on the oxidative stability and corrosivity of biodiesel samples derived from babassu oil and residual frying oil: An experimental and theoretical assessment. <i>Fuel</i> , 2021, 289, 119939.	3.4	11
100	Sensitive voltammetric responses and mechanistic insights into the determination of residue levels of endosulfan in fresh foodstuffs and raw natural waters. <i>Microchemical Journal</i> , 2013, 110, 40-47.	2.3	10
101	Gold Electrode Modified with Cu-Porphyrin Derived from Cardanol as Electrochemical Sensor for Nitric Oxide. <i>Journal of the Electrochemical Society</i> , 2013, 160, B113-B118.	1.3	10
102	Dimethomorph electrooxidation: Analytical determination in grape-derived samples and mechanistic aspects. <i>Electrochimica Acta</i> , 2013, 107, 350-357.	2.6	10
103	Optical Absorption of the Antitrypanocidal Drug Benznidazole in Water. <i>Molecules</i> , 2014, 19, 4145-4156.	1.7	10
104	Morphological dependence of silver electrodeposits investigated by changing the ionic liquid solvent and the deposition parameters. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7242-7250.	1.3	10
105	One-step preparation of silver electrodeposits from non-aqueous solvents. <i>Journal of Molecular Liquids</i> , 2019, 288, 111091.	2.3	10
106	A potential bio-antioxidant for mineral oil from cashew nutshell liquid: an experimental and theoretical approach. <i>Brazilian Journal of Chemical Engineering</i> , 2020, 37, 369-381.	0.7	10
107	Fe-Co coatings electrodeposited from eutectic mixture of choline chloride-urea: Physical characterizations and evaluation as electrocatalysts for the hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156330.	2.8	10
108	Preparation and characterization of electrodeposited iron + cobalt thin films from a chloride bath. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 90-97.	0.6	9

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109	Thionicotinamide SAM on Gold: Adsorption Studies and Electroactivity. <i>Electroanalysis</i> , 2009, 21, 1081-1089.	1.5	9
110	Nanocrystal growth, magnetic and electrochemical properties of NiZn ferrite. <i>Journal of Alloys and Compounds</i> , 2018, 738, 206-217.	2.8	9
111	Multi-step bioconversion of annonalide by <i>Fusarium oxysporum</i> f. sp. <i>tracheiphilum</i> and theoretical investigation of the decarboxylase pathway. <i>Journal of Molecular Structure</i> , 2020, 1204, 127514.	1.8	9
112	Electrochemical and Monte Carlo studies of self-assembled trans-[Fe(cyclam)(NCS) ₂] ⁺ complex ion on gold surface as electrochemical sensor for nitric oxide. <i>Electrochimica Acta</i> , 2013, 91, 1-10.	2.6	8
113	An improved quantum biochemistry description of the glutamate- ⁶⁶ GluA2 receptor binding within an inhomogeneous dielectric function framework. <i>New Journal of Chemistry</i> , 2017, 41, 6167-6179.	1.4	8
114	Experimental and computational studies of the interactions between carbon nanotubes and ionic liquids used for detection of acetaminophen. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 640-646.	4.0	8
115	Structural, photophysical and electrochemical properties of a novel cardanol-based salophen ligand and its Mn(II) complex. <i>Journal of Molecular Structure</i> , 2019, 1181, 279-286.	1.8	8
116	Understanding the dipyrone oxidation allying electrochemical and computational approaches. <i>Analytica Chimica Acta</i> , 2019, 1051, 49-57.	2.6	8
117	Eletrodegradação de Ponceau 2R utilizando C nodos dimensionalmente estáveis e Ti/Pt. <i>Química Nova</i> , 2013, 36, 85-90.	0.3	8
118	Electrochemical Studies of the Corrosion of 316L Stainless Steel Coated with Sol-Gel ZrO ₂ Films. <i>Journal of the Brazilian Chemical Society</i> , 1995, 6, 33-37.	0.6	8
119	Synthesis, characterization and catalytic properties of nanostructured porous carbon. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 1303-1306.	1.5	7
120	Study of a gold electrode modified by trans-[Ru(NH ₃) ₄ (SO ₄) ⁺ to produce an electrochemical sensor for nitric oxide. <i>Electrochimica Acta</i> , 2011, 56, 5686-5692.	2.6	7
121	Exploiting the Reduction of Haloperidol: Electrochemical and Computational Studies Using Silver Amalgam and HMDE Electrodes. <i>Electrochimica Acta</i> , 2014, 137, 564-574.	2.6	7
122	Explaining RANKL inhibition by OPG through quantum biochemistry computations and insights into peptide-design for the treatment of osteoporosis. <i>RSC Advances</i> , 2016, 6, 84926-84942.	1.7	7
123	FexNi(1-x) coatings electrodeposited from choline chloride-urea mixture: Magnetic and electrocatalytic properties for water electrolysis. <i>Materials Chemistry and Physics</i> , 2022, 279, 125738.	2.0	7
124	Chloride substitution on 2-hydroxy-3,4,6-trimethoxyphenylchalcones improves in vitro selectivity on <i>Trypanosoma cruzi</i> strain Y. <i>Chemico-Biological Interactions</i> , 2022, 361, 109920.	1.7	7
125	AFM and hydrodynamic electrochemical characterization of the self-assembled 1,4-dithiane on gold surface. <i>Journal of Electroanalytical Chemistry</i> , 2007, 603, 21-26.	1.9	6
126	The influence of 4-mercaptopyridine layer instability on rapid electron transfer reaction. <i>Journal of Electroanalytical Chemistry</i> , 2008, 619-620, 26-30.	1.9	6

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127	Influence of Mo content on the phase evolution and corrosion behavior of model Fe-9Cr-xMo (x = 5, 7, and 9 wt%) alloys. <i>Journal of Materials Research</i> , 2015, 30, 1999-2007.	1.2	6
128	Removal and sensing of emerging pollutants released from (micro)plastic degradation: Strategies based on boron-doped diamond electrodes. <i>Current Opinion in Electrochemistry</i> , 2022, 31, 100866.	2.5	6
129	Synthesis, structural and spectroscopic analysis, and antiproliferative activity of chalcone derivate (E)-1-(4-aminophenyl)-3-(benzo[b]thiophen-2-yl)prop-2-en-1-one in <i>Trypanosoma cruzi</i> . <i>Journal of Molecular Structure</i> , 2022, 1253, 132197.	1.8	6
130	Quantum mechanical, molecular docking, molecular dynamics, ADMET and antiproliferative activity on <i>Trypanosoma cruzi</i> (Y strain) of chalcone (E)-1-(2-hydroxy-3,4,6-trimethoxyphenyl)-3-(3-nitrophenyl)prop-2-en-1-one derived from a natural product. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5052-5069.	1.3	6
131	Sensor based on I^2 - NiOx hybrid film/multi-walled carbon nanotubes composite electrode for groundwater salinization inspection. <i>Chemical Engineering Journal</i> , 2017, 323, 47-55.	6.6	5
132	Structural, electronic, and optical properties of inhomogeneous $\text{Ca}_{1-x}\text{Mg}_x\text{O}$ alloys. <i>Journal of Applied Physics</i> , 2019, 125, 155102.	1.1	5
133	Molecular approach about the effect of water on the electrochemical behaviour of Ag^+ ions in urea-choline chloride-water mixture. <i>Journal of Molecular Modeling</i> , 2020, 26, 339.	0.8	5
134	Silver electrodeposition at room temperature protic ionic liquid 1-H-methylimidazolium hydrogen sulfate. <i>Journal of Molecular Liquids</i> , 2020, 313, 113487.	2.3	5
135	Structural and spectroscopic analysis and evaluation of cytotoxic activity of 2-hydroxychalcones against human cancer cell lines. <i>Journal of Molecular Structure</i> , 2021, 1245, 131135.	1.8	5
136	Computational approach in lignin structural models: Influence of non-covalent intramolecular interactions on I^2O_4 bond properties. <i>Journal of Molecular Structure</i> , 2022, 1251, 131938.	1.8	5
137	Solid state properties of hydroxyurea: Optical absorption measurement and DFT calculations. <i>Journal of Applied Physics</i> , 2019, 125, 134901.	1.1	4
138	Evaluation of degradation mechanism of chlorhexidine by means of Density Functional Theory calculations. <i>Computational Biology and Chemistry</i> , 2017, 71, 82-88.	1.1	4
139	Surface Characterization and Electrocatalytic Properties of the $\text{Ti}/\text{Ir}_{0.3}\text{Ti}_{(0.7-x)}\text{Pb}_x\text{O}_2$ -Coated Electrodes for Oxygen Evolution Reaction in Acidic Media. <i>Journal of the Brazilian Chemical Society</i> , 2002, 13, 218-225.	0.6	4
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