

Adriana Nunes Correia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4003138/publications.pdf>

Version: 2024-02-01

103
papers

2,682
citations

172457

29
h-index

223800

46
g-index

105
all docs

105
docs citations

105
times ranked

3108
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.8	6
2	Electrochemical corrosion evaluation of new Zn-Sn-In coatings electrodeposited in a eutectic mixture containing choline chloride and ethylene glycol. <i>Electrochimica Acta</i> , 2022, 407, 139647.	5.2	6
3	Fe _x Ni _(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.	4.0	7
4	Electrochemical and theoretical investigation on the behavior of the Co ²⁺ ion in three eutectic solvents. <i>Journal of Molecular Graphics and Modelling</i> , 2022, 112, 108137.	2.4	4
5	Analysis of the behavior of Sn ²⁺ and In ³⁺ ions in DES and in water: A theoretical approach. <i>Journal of Molecular Liquids</i> , 2022, 353, 118774.	4.9	2
6	(Bio)Sensing Strategies Based on Ionic Liquid-Functionalized Carbon Nanocomposites for Pharmaceuticals: Towards Greener Electrochemical Tools. <i>Nanomaterials</i> , 2022, 12, 2368.	4.1	3
7	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.	5.5	10
8	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.	4.9	23
9	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.	5.5	16
10	Electrochemical sensor based on multi-walled carbon nanotubes for imidacloprid determination. <i>Analytical Methods</i> , 2021, 13, 2124-2136.	2.7	18
11	Current overview and perspectives on carbon-based (bio)sensors for carbamate pesticides electroanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 124, 115779.	11.4	43
12	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.	1.8	5
13	Silver electrodeposition at room temperature protic ionic liquid 1-H-methylimidazolium hydrogen sulfate. <i>Journal of Molecular Liquids</i> , 2020, 313, 113487.	4.9	5
14	Electrochemical sensing of thiabendazole in complex samples using boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2020, 866, 114179.	3.8	17
15	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.	2.9	12
16	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.	4.1	37
17	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.	4.9	15
18	One-step preparation of silver electrodeposits from non-aqueous solvents. <i>Journal of Molecular Liquids</i> , 2019, 288, 111091.	4.9	10

#	ARTICLE	IF	CITATIONS
19	Electroanalysis of Pharmaceuticals on Boron-Doped Diamond Electrodes: A Review. ChemElectroChem, 2019, 6, 2350-2378.	3.4	45
20	Structural, photophysical and electrochemical properties of a novel cardanol-based salophen ligand and its Mn(II) complex. Journal of Molecular Structure, 2019, 1181, 279-286.	3.6	8
21	Understanding the dipyrone oxidation allying electrochemical and computational approaches. Analytica Chimica Acta, 2019, 1051, 49-57.	5.4	8
22	Dispersion of multi-walled carbon nanotubes in [BMIM]PF 6 for electrochemical sensing of acetaminophen. Materials Science and Engineering C, 2018, 88, 148-156.	7.3	17
23	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. Physical Chemistry Chemical Physics, 2018, 20, 9321-9327.	2.8	16
24	Nanocrystal growth, magnetic and electrochemical properties of NiZn ferrite. Journal of Alloys and Compounds, 2018, 738, 206-217.	5.5	9
25	Experimental and computational studies of the interactions between carbon nanotubes and ionic liquids used for detection of acetaminophen. Sensors and Actuators B: Chemical, 2018, 277, 640-646.	7.8	8
26	Chitosan-magnetite nanocomposite as a sensing platform to bendiocarb determination. Analytical and Bioanalytical Chemistry, 2018, 410, 7229-7238.	3.7	14
27	Square Wave Adsorptive Stripping Voltammetry Determination of Chlorpyrifos in Irrigation Agricultural Water. Journal of Analytical Chemistry, 2018, 73, 695-704.	0.9	13
28	Chemical, morphological and corrosion characterisations of electrodeposited Ni-Fe-P coatings. Electrochimica Acta, 2018, 284, 18-23.	5.2	31
29	Electroanalysis of Imidacloprid Insecticide in River Waters Using Functionalized Multi-Walled Carbon Nanotubes Modified Glassy Carbon Electrode. Journal of the Electrochemical Society, 2018, 165, B431-B435.	2.9	20
30	Corrosion investigation of the 18Ni 300 grade maraging steel in aqueous chloride medium containing H ₂ S and CO ₂ . Electrochimica Acta, 2018, 286, 339-349.	5.2	35
31	Sensing of formetanate pesticide in fruits with a boron-doped diamond electrode. Microchemical Journal, 2018, 142, 24-29.	4.5	21
32	Computational modeling of functionalized multi-walled carbon nanotubes dispersed in polyethylenimine for electrochemical sensing of acetaminophen. Sensors and Actuators B: Chemical, 2017, 246, 969-978.	7.8	18
33	Imipramine sensing in pharmaceutical formulations using boron-doped diamond electrode. Journal of Electroanalytical Chemistry, 2017, 788, 118-124.	3.8	21
34	Sensor based on I ² - NiOx hybrid film/multi-walled carbon nanotubes composite electrode for groundwater salinization inspection. Chemical Engineering Journal, 2017, 323, 47-55.	12.7	5
35	Electrodeposition of indium on copper from deep eutectic solvents based on choline chloride and ethylene glycol. Electrochimica Acta, 2017, 235, 553-560.	5.2	39
36	Factorial design in the electrodeposition of Co-Mo coatings and their evaluations for hydrogen evolution reaction. Journal of Alloys and Compounds, 2017, 723, 164-171.	5.5	33

#	ARTICLE	IF	CITATIONS
37	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.	6.6	189
38	Electrochemical determination diethylstilbestrol by a multi-walled carbon nanotube/cobalt phthalocyanine film electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 933-942.	7.8	41
39	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.	7.8	23
40	Evaluation of degradation mechanism of chlorhexidine by means of Density Functional Theory calculations. <i>Computational Biology and Chemistry</i> , 2017, 71, 82-88.	2.3	4
41	Multi-walled carbon nanotubes-cobalt phthalocyanine modified electrode for electroanalytical determination of acetaminophen. <i>Journal of Electroanalytical Chemistry</i> , 2016, 772, 9-16.	3.8	42
42	Fast ultrasound assisted synthesis of chitosan-based magnetite nanocomposites as a modified electrode sensor. <i>Carbohydrate Polymers</i> , 2016, 151, 760-769.	10.2	57
43	Modeling of laccase inhibition by formetanate pesticide using theoretical approaches. <i>Bioelectrochemistry</i> , 2016, 108, 46-53.	4.6	11
44	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.	2.8	10
45	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.	5.2	27
46	Insights into electrodegradation mechanism of tebuconazole pesticide on Bi-doped PbO 2 electrodes. <i>Electrochimica Acta</i> , 2015, 154, 278-286.	5.2	39
47	Simultaneous electrochemical sensing of emerging organic contaminants in full-scale sewage treatment plants. <i>Chemical Engineering Journal</i> , 2015, 267, 347-354.	12.7	14
48	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.	5.2	31
49	AN ELECTROCHEMICAL BIOSENSOR BASED ON THE TYROSINASE ENZYME FOR THE DETERMINATION OF PHENOL IN WASTEWATER. <i>Quimica Nova</i> , 2015, , .	0.3	3
50	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.	4.6	72
51	Analytical determination of nimesulide and ofloxacin in pharmaceutical preparations using square-wave voltammetry. <i>Journal of Analytical Chemistry</i> , 2014, 69, 62-71.	0.9	12
52	Simple laccase-based biosensor for formetanate hydrochloride quantification in fruits. <i>Bioelectrochemistry</i> , 2014, 95, 7-14.	4.6	49
53	Exploiting the Reduction of Haloperidol: Electrochemical and Computational Studies Using Silver Amalgam and HMDE Electrodes. <i>Electrochimica Acta</i> , 2014, 137, 564-574.	5.2	7
54	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.	3.5	24

#	ARTICLE	IF	CITATIONS
55	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.	4.7	24
56	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.	4.5	10
57	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.	4.5	21
58	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.	2.9	10
59	Laccase-Prussian blue film-graphene doped carbon paste modified electrode for carbamate pesticides quantification. <i>Biosensors and Bioelectronics</i> , 2013, 47, 292-299.	10.1	57
60	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.	5.2	8
61	Biosensor based on multi-walled carbon nanotubes paste electrode modified with laccase for pirimicarb pesticide quantification. <i>Talanta</i> , 2013, 106, 137-143.	5.5	87
62	Dimethomorph electrooxidation: Analytical determination in grape-derived samples and mechanistic aspects. <i>Electrochimica Acta</i> , 2013, 107, 350-357.	5.2	10
63	Eletrodegradação de Ponceau 2R utilizando ânodos dimensionalmente estáveis e Ti/Pt. <i>Química Nova</i> , 2013, 36, 85-90.	0.3	8
64	Electrochemical and computational studies of phenolic antioxidants from cashew nut shell liquid. <i>Electrochimica Acta</i> , 2012, 79, 67-73.	5.2	22
65	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
66	Characterisation of electrodeposited and heat-treated Ni-Mo-P coatings. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 328-334.	0.6	26
67	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
68	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.	2.9	17
69	Electroanalytical Performance of (SiPy) ₅ Cl/CuTsPc) LbL Film for Detecting Promethazine Hydrochloride. <i>Electroanalysis</i> , 2011, 23, 1814-1820.	2.9	14
70	Square-wave adsorptive voltammetry of dexamethasone: Redox mechanism, kinetic properties, and electroanalytical determinations in multicomponent formulations. <i>Analytical Biochemistry</i> , 2011, 413, 148-156.	2.4	26
71	Study of a gold electrode modified by trans-[Ru(NH ₃) ₄ (Ist)SO ₄] ⁺ to produce an electrochemical sensor for nitric oxide. <i>Electrochimica Acta</i> , 2011, 56, 5686-5692.	5.2	7
72	Electrochemical mechanism and kinetics studies of haloperidol and its assay in commercial formulations. <i>Electrochimica Acta</i> , 2011, 56, 2036-2044.	5.2	18

#	ARTICLE	IF	CITATIONS
73	Synthesis, characterization and catalytic performance of metal-containing mesoporous carbons for styrene production. <i>Applied Catalysis A: General</i> , 2011, 395, 53-63.	4.3	13
74	Sensitive Determination of the Diquat Herbicide in Fresh Food Samples on a Highly Boron-Doped Diamond Electrode. <i>Electroanalysis</i> , 2010, 22, 2502-2510.	2.9	14
75	Morphological, structural, microhardness and electrochemical characterisations of electrodeposited Cr and Ni-W coatings. <i>Electrochimica Acta</i> , 2010, 55, 2078-2086.	5.2	72
76	Voltammetric determination of ketoconazole using a polished silver solid amalgam electrode. <i>Electrochimica Acta</i> , 2010, 55, 9083-9089.	5.2	37
77	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
78	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.	5.5	60
79	A simple and sensitive detection of diquat herbicide using a dental amalgam electrodeA comparison using the chromatographic technique. <i>Talanta</i> , 2009, 79, 1216-1222.	5.5	26
80	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.	2.9	45
81	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.	3.9	86
82	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
83	Cu-Sn coatings obtained from pyrophosphate-based electrolytes. <i>Surface and Coatings Technology</i> , 2007, 201, 7216-7221.	4.8	44
84	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
85	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
86	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.	5.2	31
87	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.	2.9	20
88	Estudo eletroquímico de um novo banho galvanotécnico de zinco alcalino livre de cianetos. <i>Química Nova</i> , 2006, 29, 15-19.	0.3	1
89	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
90	Study of conversion coatings obtained from tungstate-phosphoric acid solutions. <i>Corrosion Science</i> , 2005, 47, 709-722.	6.6	32

#	ARTICLE	IF	CITATIONS
91	Title is missing!. Journal of Applied Electrochemistry, 2003, 33, 367-372.	2.9	25
92	Microgravimetric studies of silver electrocrystallization on polycrystalline gold surfaces. Journal of Electroanalytical Chemistry, 2003, 547, 53-59.	3.8	4
93	Electrodeposition and characterisation of thin layers of Ni _{1-x} Co alloys obtained from dilute chloride baths. Electrochimica Acta, 2000, 45, 1733-1740.	5.2	90
94	Direct observation of overlapping of growth centres in Ni and Co electrocrystallisation using atomic force microscopy. Journal of Electroanalytical Chemistry, 2000, 488, 110-116.	3.8	66
95	The effect of concentration on the electrocrystallization mechanism for copper on platinum ultramicroelectrodes. Journal of the Brazilian Chemical Society, 2000, 11, 175.	0.6	10
96	Amorphous palladium-silicon alloys for the oxidation of formic acid and formaldehyde. A voltammetric investigation. Journal of the Brazilian Chemical Society, 1999, 10, 478-482.	0.6	14
97	Studies of the hydrogen evolution reaction on smooth Co and electrodeposited Ni _{1-x} Co ultramicroelectrodes. Electrochemistry Communications, 1999, 1, 600-604.	4.7	51
98	Hydrogen evolution on electrodeposited Ni and Hg ultramicroelectrodes. Electrochimica Acta, 1998, 43, 367-373.	5.2	39
99	Ultramicroeletrodos. Parte II: construo e aplicaes. Qumica Nova, 1998, 21, 78-85.	0.3	12
100	Active surface area determination of Pd-Si alloys by H-adsorption. Electrochimica Acta, 1997, 42, 493-495.	5.2	113
101	Electrocrystallization of manganese dioxide on disc-shaped platinum ultramicroelectrodes. Journal of Electroanalytical Chemistry, 1997, 439, 145-151.	3.8	7
102	Electrocrystallization of Cu and Hg on Pt Ultramicroelectrodes. Journal of the Brazilian Chemical Society, 1994, 5, 173-177.	0.6	7
103	Electrodeposition Study of Ni Coatings on Copper from Choline Chloride-Based Deep Eutectic Solvents. Journal of the Brazilian Chemical Society, 0, , .	0.6	3