

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	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
2	Active surface area determination of Pd-Si alloys by H-adsorption. <i>Electrochimica Acta</i> , 1997, 42, 493-495.	5.2	113
3	Electrodeposition and characterisation of thin layers of Ni–Co alloys obtained from dilute chloride baths. <i>Electrochimica Acta</i> , 2000, 45, 1733-1740.	5.2	90
4	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
5	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
6	Morphological, structural, microhardness and electrochemical characterisations of electrodeposited Cr and Ni–W coatings. <i>Electrochimica Acta</i> , 2010, 55, 2078-2086.	5.2	72
7	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
8	Direct observation of overlapping of growth centres in Ni and Co electrocrystallisation using atomic force microscopy. <i>Journal of Electroanalytical Chemistry</i> , 2000, 488, 110-116.	3.8	66
9	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
10	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
11	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
12	Studies of the hydrogen evolution reaction on smooth Co and electrodeposited Ni–Co ultramicroelectrodes. <i>Electrochemistry Communications</i> , 1999, 1, 600-604.	4.7	51
13	Simple laccase-based biosensor for formetanate hydrochloride quantification in fruits. <i>Bioelectrochemistry</i> , 2014, 95, 7-14.	4.6	49
14	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
15	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
16	Electroanalysis of Pharmaceuticals on Boron-Doped Diamond Electrodes: A Review. <i>ChemElectroChem</i> , 2019, 6, 2350-2378.	3.4	45
17	Cu–Sn coatings obtained from pyrophosphate-based electrolytes. <i>Surface and Coatings Technology</i> , 2007, 201, 7216-7221.	4.8	44
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Hydrogen evolution on electrodeposited Ni and Hg ultramicroelectrodes. <i>Electrochimica Acta</i> , 1998, 43, 367-373.	5.2	39
22	Insights into electrodegradation mechanism of tebuconazole pesticide on Bi-doped PbO ₂ electrodes. <i>Electrochimica Acta</i> , 2015, 154, 278-286.	5.2	39
23	Electrodeposition of indium on copper from deep eutectic solvents based on choline chloride and ethylene glycol. <i>Electrochimica Acta</i> , 2017, 235, 553-560.	5.2	39
24	Voltammetric determination of ketoconazole using a polished silver solid amalgam electrode. <i>Electrochimica Acta</i> , 2010, 55, 9083-9089.	5.2	37
25	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
26	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.	5.2	35
27	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
28	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.	5.5	33
29	Study of conversion coatings obtained from tungstate-phosphoric acid solutions. <i>Corrosion Science</i> , 2005, 47, 709-722.	6.6	32
30	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
31	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
32	Chemical, morphological and corrosion characterisations of electrodeposited Ni-Fe-P coatings. <i>Electrochimica Acta</i> , 2018, 284, 18-23.	5.2	31
33	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
34	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.	5.5	26
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Title is missing!. Journal of Applied Electrochemistry, 2003, 33, 367-372.	2.9	25
38	Amphiphilic porphyrin-cardanol derivatives in Langmuir and Langmuir-Blodgett films applied for sensing. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 425, 68-75.	4.7	24
39	Diclofenac on Boron-Doped Diamond Electrode: From Electroanalytical Determination to Prediction of the Electrooxidation Mechanism with HPLC-ESI/HRMS and Computational Simulations. Langmuir, 2014, 30, 5645-5654.	3.5	24
40	Chlorhexidine digluconate on chitosan-magnetic iron oxide nanoparticles modified electrode: Electroanalysis and mechanistic insights by computational simulations. Sensors and Actuators B: Chemical, 2017, 240, 417-425.	7.8	23
41	Carbon steel corrosion inhibition in acid medium by imidazole-based molecules: Experimental and molecular modelling approaches. Journal of Molecular Liquids, 2021, 326, 115330.	4.9	23
42	Electrochemical and computational studies of phenolic antioxidants from cashew nut shell liquid. Electrochimica Acta, 2012, 79, 67-73.	5.2	22
43	Carbon-fibre microelectrodes coupled with square-wave voltammetry for the direct analysis of dimethomorph fungicide in natural waters. Microchemical Journal, 2013, 109, 84-92.	4.5	21
44	Imipramine sensing in pharmaceutical formulations using boron-doped diamond electrode. Journal of Electroanalytical Chemistry, 2017, 788, 118-124.	3.8	21
45	Sensing of formetanate pesticide in fruits with a boron-doped diamond electrode. Microchemical Journal, 2018, 142, 24-29.	4.5	21
46	Evaluation of the corrosion behavior of galvanized steel in chloride aqueous solution and in tropical marine environment. Journal of Applied Electrochemistry, 2006, 36, 375-383.	2.9	20
47	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
48	Electrochemical mechanism and kinetics studies of haloperidol and its assay in commercial formulations. Electrochimica Acta, 2011, 56, 2036-2044.	5.2	18
49	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
50	Electrochemical sensor based on multi-walled carbon nanotubes for imidacloprid determination. Analytical Methods, 2021, 13, 2124-2136.	2.7	18
51	The influence of citrate and tartrate on the electrodeposition and surface morphology of Cu-Ni layers. Journal of Applied Electrochemistry, 2011, 41, 415-422.	2.9	17
52	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
53	Electrochemical sensing of thiabendazole in complex samples using boron-doped diamond electrode. Journal of Electroanalytical Chemistry, 2020, 866, 114179.	3.8	17
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Amorphous palladium-silicon alloys for the oxidation of formic acid and formaldehyde. A voltammetric investigation. <i>Journal of the Brazilian Chemical Society</i> , 1999, 10, 478-482.	0.6	14
58	Sensitive Determination of the Diquat Herbicide in Fresh Food Samples on a Highly Boron- δ -Doped Diamond Electrode. <i>Electroanalysis</i> , 2010, 22, 2502-2510.	2.9	14
59	Utiliza \tilde{c} o de eletrodos s \tilde{c} lidos de am \tilde{c} lgama para a determina \tilde{c} o anal \tilde{c} tica de compostos org \tilde{c} nicos e inorg \tilde{c} nicos. <i>Quimica Nova</i> , 2011, 34, 487-496.	0.3	14
60	Electroanalytical Performance of (SiPy ₅ Cl ⁺ /CuTsPc) ₅ LbL Film for Detecting Promethazine Hydrochloride. <i>Electroanalysis</i> , 2011, 23, 1814-1820.	2.9	14
61	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
62	Chitosan-magnetite nanocomposite as a sensing platform to bendiocarb determination. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7229-7238.	3.7	14
63	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
64	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
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	Square Wave Adsorptive Stripping Voltammetry Determination of Chlorpyrifos in Irrigation Agricultural Water. <i>Journal of Analytical Chemistry</i> , 2018, 73, 695-704.	0.9	13
67	Ultramicroeletrodos. Parte II: constru \tilde{c} o e aplica \tilde{c} es. <i>Quimica Nova</i> , 1998, 21, 78-85.	0.3	12
68	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
69	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
70	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
71	Modeling of laccase inhibition by formetanate pesticide using theoretical approaches. <i>Bioelectrochemistry</i> , 2016, 108, 46-53.	4.6	11
72	The effect of concentration on the electrocrystallization mechanism for copper on platinum ultramicroelectrodes. <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 175.	0.6	10

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	Dimethomorph electrooxidation: Analytical determination in grape-derived samples and mechanistic aspects. <i>Electrochimica Acta</i> , 2013, 107, 350-357.	5.2	10
76	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
77	One-step preparation of silver electrodeposits from non-aqueous solvents. <i>Journal of Molecular Liquids</i> , 2019, 288, 111091.	4.9	10
78	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
79	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
80	Nanocrystal growth, magnetic and electrochemical properties of NiZn ferrite. <i>Journal of Alloys and Compounds</i> , 2018, 738, 206-217.	5.5	9
81	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
82	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.	7.8	8
83	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.	3.6	8
84	Understanding the dipyrone oxidation allying electrochemical and computational approaches. <i>Analytica Chimica Acta</i> , 2019, 1051, 49-57.	5.4	8
85	Eletrodegradação de Ponceau 2R utilizando ânodos dimensionalmente estáveis e Ti/Pt. <i>Química Nova</i> , 2013, 36, 85-90.	0.3	8
86	Electrocrystallization of manganese dioxide on disc-shaped platinum ultramicroelectrodes. <i>Journal of Electroanalytical Chemistry</i> , 1997, 439, 145-151.	3.8	7
87	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
88	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
89	Electrocrystallization of Cu and Hg on Pt Ultramicroelectrodes. <i>Journal of the Brazilian Chemical Society</i> , 1994, 5, 173-177.	0.6	7
90	FeNi(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

#	ARTICLE	IF	CITATIONS
91	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
92	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
93	Sensor based on TiO_2 - NiOx hybrid film/multi-walled carbon nanotubes composite electrode for groundwater salinization inspection. <i>Chemical Engineering Journal</i> , 2017, 323, 47-55.	12.7	5
94	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
95	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
96	Microgravimetric studies of silver electrocrystallization on polycrystalline gold surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2003, 547, 53-59.	3.8	4
97	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
98	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
99	Electrodeposition Study of Ni Coatings on Copper from Choline Chloride-Based Deep Eutectic Solvents. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	3
100	AN ELECTROCHEMICAL BIOSENSOR BASED ON THE TYROSINASE ENZYME FOR THE DETERMINATION OF PHENOL IN WASTEWATER. <i>Quimica Nova</i> , 2015, , .	0.3	3
101	(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
102	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
103	Estudo eletroquímico de um novo banho galvânico de zinco alcalino livre de cianetos. <i>Quimica Nova</i> , 2006, 29, 15-19.	0.3	1