

Marcio Vidotti

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74
papers

1,828
citations

25
h-index

40
g-index

77
ext. papers

2,025
ext. citations

5
avg, IF

4.91
L-index

#	Paper	IF	Citations
74	Synthetic approach from polypyrrole nanotubes to nitrogen doped pyrolyzed carbon nanotubes for asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2016 , 308, 158-165	8.9	142
73	Electrocatalytic oxidation of urea by nanostructured nickel/cobalt hydroxide electrodes. <i>Electrochimica Acta</i> , 2008 , 53, 4030-4034	6.7	141
72	Electrodeposition of Nickel Hydroxide Nanoparticles on Boron-Doped Diamond Electrodes for Oxidative Electrocatalysis. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 1649-1658	3.8	122
71	Synthesis and characterization of copper hexacyanoferrate nanoparticles for building up long-term stability electrochromic electrodes. <i>Langmuir</i> , 2007 , 23, 6796-800	4	88
70	Biosensors based on gold nanostructures. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 3-20	1.5	86
69	Sonochemically synthesized Ni(OH) ₂ and Co(OH) ₂ nanoparticles and their application in electrochromic electrodes. <i>Electrochemistry Communications</i> , 2006 , 8, 554-560	5.1	63
68	Nickel hydroxide electrodes as amperometric detectors for carbohydrates in flow injection analysis and liquid chromatography. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 636, 18-23	4.1	53
67	Synthesis and characterization of stable Co and Cd doped nickel hydroxide nanoparticles for electrochemical applications. <i>Ultrasonics Sonochemistry</i> , 2009 , 16, 35-40	8.9	53
66	Conducting polymers revisited: applications in energy, electrochromism and molecular recognition. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 2489-2515	2.6	52
65	Electrochemical oxidation of glycine by doped nickel hydroxide modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2008 , 135, 245-249	8.5	50
64	Copper hexacyanoferrate nanoparticles modified electrodes: A versatile tool for biosensors. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 622, 219-224	4.1	49
63	Enzymeless PEDOT-based electrochemical sensor for the detection of nitrophenols and organophosphates. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 570-578	8.5	44
62	Electrochemical supercapacitive properties of polypyrrole thin films: influence of the electropolymerization methods. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 901-910	2.6	38
61	A New Sensor for Ammonia Determination Based on Polypyrrole Films Doped with Dodecylbenzenesulfonate (DBSA) Ions. <i>Electroanalysis</i> , 2002 , 14, 1577-1586	3	38
60	Electrostatic layer-by-layer and electrophoretic depositions as methods for electrochromic nanoparticle immobilization. <i>Electrochimica Acta</i> , 2009 , 54, 2800-2804	6.7	37
59	Electrodeposition of Nickel Hydroxide Nanoparticles on Carbon Nanotube Electrodes: Correlation of Particle Crystallography with Electrocatalytic Properties. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 16059-16068	3.8	37
58	Hybrid core-shell nanostructured electrodes made of polypyrrole nanotubes coated with Ni(OH) ₂ nanoflakes for high energy-density supercapacitors. <i>RSC Advances</i> , 2016 , 6, 15062-15070	3.7	36

57	A highly efficient redox chromophore for simultaneous application in a photoelectrochemical dye sensitized solar cell and electrochromic devices. <i>New Journal of Chemistry</i> , 2005 , 29, 320-324	3.6	35
56	The electrochemical impedance spectroscopy behavior of poly(aniline) nanocomposite electrodes modified by Layer-by-Layer deposition. <i>Electrochimica Acta</i> , 2015 , 174, 864-870	6.7	33
55	The use of gum Arabic as "Green" stabilizer of poly(aniline) nanocomposites: a comprehensive study of spectroscopic, morphological and electrochemical properties. <i>Journal of Colloid and Interface Science</i> , 2014 , 434, 18-27	9.3	31
54	Mixed Ni/Co hydroxide nanoparticles synthesized by sonochemical method. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3221-6	1.3	29
53	Reduction of interference signal of ascorbate and urate in poly(pyrrole)-based ammonia sensors in aqueous solutions. <i>Electrochimica Acta</i> , 2004 , 49, 3665-3670	6.7	29
52	Eletrodos modificados por hidr�ido de n�quel: um estudo de revis�o sobre suas propriedades estruturais e eletroqu�micas visando suas aplica�es em eletrocatal�se, electrocromismo e baterias secund�rias. <i>Quimica Nova</i> , 2010 , 33, 2176-2186	1.6	28
51	Nanochromics: old materials, new structures and architectures for high performance devices. <i>Journal of the Brazilian Chemical Society</i> , 2008 , 19, 1248-1257	1.5	27
50	Structure and effects of gold nanoparticles in bacterial cellulose/polyaniline conductive membranes. <i>RSC Advances</i> , 2016 , 6, 9571-9580	3.7	26
49	Electrocatalytical properties presented by Cu/Ni alloy modified electrodes toward the oxidation of glucose. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 1333-1338	2.6	25
48	Electrophoretic deposition of Au@PEDOT nanoparticles towards the construction of high-performance electrochromic electrodes. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 118, 72-80	6.4	25
47	Nickel/cobalt alloys modified electrodes: Synthesis, characterization and optimization of the electrocatalytical response. <i>Sensors and Actuators B: Chemical</i> , 2013 , 186, 528-535	8.5	24
46	On line mass spectrometric detection of ammonia oxidation products generated by polypyrrole based amperometric sensors. <i>Analytica Chimica Acta</i> , 2003 , 489, 207-214	6.6	23
45	One-Pot sonoelectrodeposition of poly(pyrrole)/Prussian blue nanocomposites: Effects of the ultrasound amplitude in the electrode interface and electrocatalytical properties. <i>Electrochimica Acta</i> , 2016 , 213, 822-830	6.7	22
44	Direct electrodeposition of imidazole modified poly(pyrrole) copolymers: synthesis, characterization and supercapacitive properties. <i>Electrochimica Acta</i> , 2017 , 243, 260-269	6.7	20
43	Stability of gum arabic-gold nanoparticles in physiological simulated pHs and their selective effect on cell lines. <i>RSC Advances</i> , 2016 , 6, 9411-9420	3.7	19
42	Influence of the pH on the electrochemical synthesis of polypyrrole nanotubes and the supercapacitive performance evaluation. <i>Electrochimica Acta</i> , 2019 , 293, 447-457	6.7	19
41	PEDOT Nanotubes Electrochemically Synthesized on Flexible Substrates: Enhancement of Supercapacitive and Electrocatalytic Properties. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3913-3924	5.6	16
40	Effect of low and high methoxyl citrus pectin on the properties of polypyrrole based electroactive hydrogels. <i>Carbohydrate Polymers</i> , 2017 , 155, 11-18	10.3	16

39	Fabrication and characterization of an all-diamond tubular flow microelectrode for electroanalysis. <i>Analytical Chemistry</i> , 2011 , 83, 5804-8	7.8	14
38	Sonoelectrodeposition of poly(pyrrole) films: Electrochemical and morphological effects caused by the ultrasonic amplitude. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 774, 31-35	4.1	14
37	Conducting polymers and composites nanowires for energy devices: A brief review. <i>Materials Science for Energy Technologies</i> , 2020 , 3, 78-90	5.2	14
36	IR drop studies of poly(aniline)-based modified electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 878, 114662	4.1	13
35	Adsorption of catechol onto PEDOT films doped with gold nanoparticles: Electrochemical and spectroscopic studies. <i>Electrochimica Acta</i> , 2019 , 322, 134773	6.7	12
34	Native and structurally modified gum arabic: exploring the effect of the gum's microstructure in obtaining electroactive nanoparticles. <i>Carbohydrate Polymers</i> , 2015 , 119, 35-43	10.3	12
33	Influence of cationic and anionic micelles in the (sono)chemical synthesis of stable Ni(OH) ₂ nanoparticles: In situ zeta-potential measurements and electrochemical properties. <i>Applied Surface Science</i> , 2018 , 455, 357-366	6.7	12
32	Interfacial characterization and supercapacitive properties of polyaniline/gum arabic nanocomposite/graphene oxide LbL modified electrodes. <i>Applied Surface Science</i> , 2017 , 425, 16-23	6.7	11
31	Electrochemical Performance of pH Sensor Based on LbL Films of Polyaniline-Gum Arabic Nanocomposite and Graphene Oxide. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 047505	3.9	10
30	Interfacial characterization and supercapacitive behavior of PEDOT nanotubes modified electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 823, 573-579	4.1	10
29	Kinetic Approach to Elucidate Size Controllable Features in Nanocomposites of Gold Nanoparticles and Poly(3,4-ethylenedioxythiophene) in Aqueous Dispersion Stabilized by Gum Acacia. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25756-25764	3.8	10
28	Anisotropic behavior of layer-by-layer films using highly disordered copper hexacyanoferrate(II) nanoparticles. <i>Applied Surface Science</i> , 2016 , 378, 253-258	6.7	10
27	Impedimetric studies about the degradation of polypyrrole nanotubes during galvanostatic charge and discharge cycles. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 855, 113636	4.1	10
26	Layer-by-Layer AuNPs-SiPy+/Prussian blue nanoparticles modified electrodes: characterization and electrocatalytic effects. <i>Electrochimica Acta</i> , 2017 , 249, 104-112	6.7	9
25	Platinum nanoparticle-modified electrodes, morphologic, and electrochemical studies concerning electroactive materials deposition. <i>Journal of Solid State Electrochemistry</i> , 2010 , 14, 675-679	2.6	9
24	Facile method to prepare biochar/NiO nanocomposites as a promisor material for electrochemical energy storage devices. <i>Chemical Papers</i> , 2020 , 74, 1471-1476	1.9	9
23	Enhancement of organophosphate degradation by electroactive pyrrole and imidazole copolymers. <i>Electrochimica Acta</i> , 2020 , 338, 135842	6.7	7
22	Electrochromic properties of a metallo-supramolecular polymer derived from tetra(2-pyridyl-1,4-pyrazine) ligands integrated in thin multilayer films. <i>Langmuir</i> , 2012 , 28, 3332-7	4	7

21	The effect of the natural polymer gum Arabic on the synthesis of aqueous dispersible PEDOT composites. <i>Materials Letters</i> , 2015 , 149, 116-119	3.3	6
20	Recent trends of micro and nanostructured conducting polymers in health and environmental applications. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 879, 114754	4.1	6
19	Polarized vibrational spectra of Prussian Blue films: Spectroscopic evidence of columnar growth. <i>Vibrational Spectroscopy</i> , 2013 , 64, 58-61	2.1	5
18	Synthesis, characterization and electrocatalysis of mono- and di-nickel tetraaminodiphenolate macrocyclic complexes as active site models of [NiFe]-hydrogenases. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 14094-14102	6.7	5
17	Development of polypyrrole (nano)structures decorated with gold nanoparticles towards immunosensing for COVID-19 serological diagnosis.. <i>Materials Today Chemistry</i> , 2022 , 24, 100817	6.2	5
16	ELECTROCHROMISM: BASIS AND APPLICATION OF NANOMATERIALS IN DEVELOPMENT OF HIGH PERFORMANCE ELECTRODES. <i>Quimica Nova</i> , 2014 , 37,	1.6	5
15	Interfacial characterization and electrocatalytic response of sonoelectrodeposited NiCo(OH) ₂ nanocomposites. <i>Electrochimica Acta</i> , 2016 , 196, 670-679	6.7	5
14	Polypyrrole nanotubes for electrochemically controlled extraction of atrazine, caffeine and progesterone. <i>Mikrochimica Acta</i> , 2019 , 186, 398	5.8	4
13	Synthesis of Ni(OH) ₂ in micellar environment: structural, spectroscopic, and electrochemical studies. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 2525-2531	2.6	4
12	Nickel-Copper Alloys Modified Electrodes: an Electrochemical Study on their Interfacial and Supercapacitive Properties. <i>Journal of the Brazilian Chemical Society</i> , 2017 ,	1.5	2
11	Evaluation of the electrocatalytical properties of NiCo(OH) ₂ composite modified electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 765, 126-131	4.1	2
10	Influence of electrosynthesis methods in the electrocatalytical and morphological properties of cobalt and nickel hexacyanoferrate films. <i>Electrochimica Acta</i> , 2020 , 361, 137021	6.7	2
9	Harnessing energy from micropollutants electrocatalysis in a high-performance supercapacitor based on PEDOT nanotubes. <i>Applied Materials Today</i> , 2020 , 18, 100538	6.6	2
8	Electrodes Based on PEDOT Nanotubes Decorated with Gold Nanoparticles for Biosensing and Energy Storage. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9945-9956	5.6	2
7	Polysaccharides as Green Biodegradable Platforms for Building-up Electroactive Composite Materials: An Overview 2017 , 377-417		1
6	In vitro biocompatibility screening of a colloidal gum Arabic-polyaniline conducting nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2021 , 173, 109-117	7.9	1
5	Over 21.0% faradaic efficiency of ambient ammonia production: Photoelectrocatalytic activity of MOF-235. <i>Applied Materials Today</i> , 2022 , 28, 101540	6.6	1
4	Enhancement of polypyrrole nanotubes stability by gold nanoparticles for the construction of flexible solid-state supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 911, 116212	4.1	0

- 3 Layer-by-Layer Assembly of Electrochromic Materials: On the Efficient Method for Immobilisation of Nanomaterials **2015**, 337-362
- 2 Modified Electrodes Surface with Inorganic Oxides and Conducting Polymers **2022**, 345-359
- 1 Nanostructured Platforms Based on Conducting Polymers for Sensing **2021**,