

Susana I Cordoba De Torresi

List of Publications by Year in descending order

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211
papers

7,486
citations

44069

48
h-index

79698

73
g-index

214
all docs

214
docs citations

214
times ranked

7592
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochromic Reactions in Manganese Oxides: I . Raman Analysis. Journal of the Electrochemical Society, 1993, 140, 3065-3070.	2.9	259
2	Influence of Thermal Treatment on Doped Polyaniline Studied by Resonance Raman Spectroscopy. Macromolecules, 2000, 33, 3077-3083.	4.8	203
3	Accelerating rate calorimetry studies of the reactions between ionic liquids and charged lithium ion battery electrode materials. Electrochimica Acta, 2007, 52, 6346-6352.	5.2	183
4	Electrocatalytic oxidation of urea by nanostructured nickel/cobalt hydroxide electrodes. Electrochimica Acta, 2008, 53, 4030-4034.	5.2	167
5	Synthesis and characterization of two ionic liquids with emphasis on their chemical stability towards metallic lithium. Electrochimica Acta, 2007, 52, 6427-6437.	5.2	160
6	Conducting polymer-hydrogel composites for electrochemical release devices: Synthesis and characterization of semi-interpenetrating polyaniline-polyacrylamide networks. Electrochemistry Communications, 2005, 7, 717-723.	4.7	159
7	Polyaniline acrylic coatings for corrosion inhibition: the role played by counter-ions. Corrosion Science, 2005, 47, 811-822.	6.6	142
8	Synthesis, characterization and immobilization of Prussian blue nanoparticles. A potential tool for biosensing devices. Chemical Communications, 2005, , 366-368.	4.1	135
9	Enzyme-mediated amperometric biosensors prepared with the Layer-by-Layer (LbL) adsorption technique. Biosensors and Bioelectronics, 2004, 19, 1611-1615.	10.1	129
10	Electrochromic Behavior of Nickel Oxide Electrodes: II . Identification of the Bleached State by Raman Spectroscopy and Nuclear Reactions. Journal of the Electrochemical Society, 1991, 138, 1554-1559.	2.9	114
11	Secondary doping of polyaniline studied by resonance Raman spectroscopy. Electrochimica Acta, 1999, 44, 1887-1891.	5.2	112
12	Electrochromic Behavior of Nickel Oxide Electrodes: I . Identification of the Colored State Using Quartz Crystal Microbalance. Journal of the Electrochemical Society, 1991, 138, 1548-1553.	2.9	100
13	Charge Compensation Dynamics in the Redox Processes of Polypyrrole-Modified Electrodes. The Journal of Physical Chemistry, 1996, 100, 15910-15916.	2.9	96
14	Molecular-Level Manipulation of V2O5/Polyaniline Layer-by-Layer Films To Control Electrochromogenic and Electrochemical Properties. Chemistry of Materials, 2004, 16, 2293-2299.	6.7	94
15	Synthesis and Characterization of Copper Hexacyanoferrate Nanoparticles for Building Up Long-Term Stability Electrochromic Electrodes. Langmuir, 2007, 23, 6796-6800.	3.5	90
16	The role of ion exchange in the redox processes of polypyrrole/dodecyl sulfate films as studied by electrogravimetry using a quartz crystal microbalance. Synthetic Metals, 1992, 48, 259-270.	3.9	87
17	Galvanic coupling between metal substrate and polyaniline acrylic blends: corrosion protection mechanism. Electrochimica Acta, 2005, 50, 2213-2218.	5.2	83
18	Ether-Bond-Containing Ionic Liquids and the Relevance of the Ether Bond Position to Transport Properties. Journal of Physical Chemistry B, 2010, 114, 12488-12494.	2.6	83

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19	Hybrid nickel hexacyanoferrate/polypyrrole composite as mediator for hydrogen peroxide detection and its application in oxidase-based biosensors. <i>Journal of Electroanalytical Chemistry</i> , 2005, 581, 31-37.	3.8	82
20	Ionic exchanges in dodecylbenzenesulfonate doped polypyrrole Part 1. Optical beam deflection studies. <i>Synthetic Metals</i> , 1995, 72, 59-64.	3.9	81
21	Raman characterization of polyaniline induced conformational changes. <i>Synthetic Metals</i> , 1999, 101, 834-835.	3.9	79
22	Polypyrrole/copper hexacyanoferrate hybrid as redox mediator for glucose biosensors. <i>Talanta</i> , 2006, 69, 403-408.	5.5	78
23	Polyaniline Based Acrylic Blends for Iron Corrosion Protection. <i>Electrochemical and Solid-State Letters</i> , 2001, 4, B27.	2.2	74
24	Electrochromic behaviour of manganese dioxide electrodes in slightly alkaline solutions. <i>Electrochimica Acta</i> , 1992, 37, 2015-2019.	5.2	73
25	Sonochemically synthesized Ni(OH) ₂ and Co(OH) ₂ nanoparticles and their application in electrochromic electrodes. <i>Electrochemistry Communications</i> , 2006, 8, 554-560.	4.7	72
26	The effect of Cd, Co, and Zn as additives on nickel hydroxide opto-electrochemical behavior. <i>Journal of Power Sources</i> , 2001, 102, 224-232.	7.8	71
27	Electrochemical and morphological stabilization of V ₂ O ₅ nanofibers by the addition of polyaniline. <i>Electrochimica Acta</i> , 2007, 52, 4419-4427.	5.2	69
28	Polyaniline/poly(methylmethacrylate) blends for corrosion protection: The effect of passivating dopants on different metals. <i>Progress in Organic Coatings</i> , 2007, 58, 33-39.	3.9	68
29	Conducting polymers revisited: applications in energy, electrochromism and molecular recognition. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2489-2515.	2.5	68
30	Synthesis and characterization of stable Co and Cd doped nickel hydroxide nanoparticles for electrochemical applications. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 35-40.	8.2	63
31	V ₂ O ₅ nanoparticles obtained from a synthetic bariandite-like vanadium oxide: Synthesis, characterization and electrochemical behavior in an ionic liquid. <i>Journal of Colloid and Interface Science</i> , 2009, 337, 586-593.	9.4	63
32	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.	3.8	62
33	Ionic exchanges in dodecylbenzenesulfonate-doped polypyrrole Part II: Electrochemical quartz crystal microbalance study. <i>Synthetic Metals</i> , 1995, 72, 283-287.	3.9	61
34	Optical characterization of bismuth reversible electrodeposition. <i>Journal of Electroanalytical Chemistry</i> , 1996, 414, 11-16.	3.8	61
35	The electrochemical response of binary mixtures of hydrous transition metal hydroxides co-precipitated on conducting substrates with reference to the oxygen evolution reaction. <i>Electrochimica Acta</i> , 1986, 31, 1321-1332.	5.2	60
36	Electroactive Multilayer Films of Polyaniline and Vanadium Pentoxide. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8351-8354.	2.6	60

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37	Electrochemical oxidation of glycine by doped nickel hydroxide modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 245-249.	7.8	60
38	Lithium Electroinsertion into an Inorganic-Organic Hybrid Material Composed from V ₂ O ₅ and Polyaniline. <i>Journal of the Electrochemical Society</i> , 2002, 149, A546.	2.9	59
39	Performance of rust converter based in phosphoric and tannic acids. <i>Corrosion Science</i> , 2004, 46, 1515-1525.	6.6	59
40	Optimized multilayer oxalate biosensor. <i>Talanta</i> , 2004, 62, 649-654.	5.5	59
41	Copper hexacyanoferrate nanoparticles modified electrodes: A versatile tool for biosensors. <i>Journal of Electroanalytical Chemistry</i> , 2008, 622, 219-224.	3.8	58
42	Transport properties of V ₂ O ₅ /polypyrrole nanocomposite prepared by a sol-gel alkoxide route. <i>Journal of Electroanalytical Chemistry</i> , 2002, 536, 37-45.	3.8	57
43	Biocompatible xanthan/polypyrrole scaffolds for tissue engineering. <i>Materials Science and Engineering C</i> , 2015, 52, 121-128.	7.3	56
44	Comparisons of charge compensation process in aqueous media of polyaniline and self-doped polyanilines. <i>Synthetic Metals</i> , 2001, 122, 321-327.	3.9	54
45	Ac-impedance and Raman spectroscopy study of the electrochemical behaviour of pure aluminium in citric acid media. <i>Electrochimica Acta</i> , 2001, 46, 1871-1878.	5.2	52
46	Relation between the nature of the surface facets and the reactivity of Cu ₂ O nanostructures anchored on TiO ₂ NT@PDA electrodes in the photoelectrocatalytic conversion of CO ₂ to methanol. <i>Applied Catalysis B: Environmental</i> , 2020, 261, 118221.	20.2	52
47	Comparison of Secondary Doping and Thermal Treatment in Poly(diphenylamine) and Polyaniline Monitored by Resonance Raman Spectroscopy. <i>Macromolecules</i> , 2002, 35, 121-125.	4.8	50
48	Investigation of the Electrical and Electrochemical Properties of Nanocomposites from V ₂ O ₅ , Polypyrrole, and Polyaniline. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2202-2209.	3.1	50
49	In situ Raman study of sulfonate-doped polyaniline. <i>Electrochimica Acta</i> , 1999, 44, 1989-1997.	5.2	49
50	Structure and properties of a nanocomposite formed by vanadium pentoxide containing poly(N-propane sulfonic acid aniline). <i>Journal of Power Sources</i> , 2001, 103, 113-119.	7.8	49
51	Structural parameters of polyacrylamide hydrogels obtained by the Equilibrium Swelling Theory. <i>European Polymer Journal</i> , 2009, 45, 1232-1238.	5.4	49
52	Why Could the Nature of Surface Facets Lead to Differences in the Activity and Stability of Cu ₂ O-Based Electrocatalytic Sensors?. <i>ACS Catalysis</i> , 2018, 8, 6265-6272.	11.2	49
53	On the stabilization of conducting pernigraniline salt by the synthesis and oxidation of polyaniline in hydrophobic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1457.	2.8	48
54	Ellipsometric, Electrogravimetric, and Spectroelectrochemical Studies of the Redox Process of Sulfonated Polyaniline. <i>Langmuir</i> , 2000, 16, 7835-7841.	3.5	47

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55	Effect of Additives in the Stabilization of the β Phase of Ni(OH) ₂ Electrodes. Journal of the Electrochemical Society, 2001, 148, A1179.	2.9	47
56	Mechanism of Action of Corrosion Protection Coating for AA2024-T3 Based on Poly(aniline)-Poly(methylmethacrylate) Blend. Journal of the Electrochemical Society, 2005, 152, B45.	2.9	47
57	Quartz crystal microbalance characterization of electrochemical doping of polyaniline films. Synthetic Metals, 1993, 61, 291-296.	3.9	46
58	Electrochemical and Raman studies on a hybrid organic-inorganic nanocomposite of vanadium oxide and a sulfonated polyaniline. Electrochimica Acta, 2001, 46, 3555-3562.	5.2	44
59	Electrostatic layer-by-layer and electrophoretic depositions as methods for electrochromic nanoparticle immobilization. Electrochimica Acta, 2009, 54, 2800-2804.	5.2	44
60	Glucose Amperometric Biosensor Based on the Co-immobilization of Glucose Oxidase (GOx) and Ferrocene in Poly(pyrrole) Generated from Ethanol / Water Mixtures. Journal of the Brazilian Chemical Society, 2001, 12, 729.	0.6	43
61	A New Sensor for Ammonia Determination Based on Polypyrrole Films Doped with Dodecylbenzenesulfonate (DBSA) Ions. Electroanalysis, 2002, 14, 1577-1586.	2.9	43
62	Electrochemical and kinetic studies of lithium intercalation in composite nanofibers of vanadium oxide/polyaniline. Electrochimica Acta, 2005, 50, 5009-5014.	5.2	43
63	Electrostatic Layer-by-Layer Deposition and Electrochemical Characterization of Thin Films Composed of MnO ₂ Nanoparticles in a Room-Temperature Ionic Liquid. Langmuir, 2008, 24, 3602-3610.	3.5	43
64	Redox behavior of nanohybrid material with defined morphology: Vanadium oxide nanotubes intercalated with polyaniline. Journal of Power Sources, 2006, 156, 533-540.	7.8	42
65	On the application of nanostructured electrodes prepared by Ti/TiO ₂ /WO ₃ : A case study of removing toxicity of indigo using visible irradiation. Chemosphere, 2013, 91, 586-593.	8.2	42
66	Advances in Conducting, Biodegradable and Biocompatible Copolymers for Biomedical Applications. Frontiers in Materials, 2019, 6, .	2.4	42
67	The effect of manganese addition on nickel hydroxide electrodes with emphasis on its electrochromic properties. Electrochimica Acta, 1995, 40, 1101-1107.	5.2	41
68	Ionic Exchange Phenomena Related to the Redox Processes of Polyaniline in Nonaqueous Media. Journal of the Electrochemical Society, 2000, 147, 665.	2.9	41
69	Chemical and Electrochemical Characterization of a Novel Nanocomposite Formed from V ₂ O ₅ and Poly(N-propane sulfonic acid aniline), a Self-Doped Polyaniline. Journal of the Electrochemical Society, 2000, 147, 2437.	2.9	41
70	Eletrodos modificados por hidróxido de níquel: um estudo de revisão sobre suas propriedades estruturais e eletroquímicas visando suas aplicações em eletrocatalise, electrocromismo e baterias secundárias. Quimica Nova, 2010, 33, 2176-2186.	0.3	40
71	Sub-15 nm CeO ₂ nanowires as an efficient non-noble metal catalyst in the room-temperature oxidation of aniline. Catalysis Science and Technology, 2018, 8, 1828-1839.	4.1	39
72	Electrochemical and chromogenic relaxation processes in polyaniline films. Polymer, 2002, 43, 5895-5901.	3.8	37

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73	On the electrochemical and spectroscopic properties of a soluble polyaniline parent copolymer. <i>Electrochimica Acta</i> , 2002, 47, 2005-2011.	5.2	37
74	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.	2.8	37
75	Conducting polymer- hydrogel blends for electrochemically controlled drug release devices. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 630-636.	0.6	37
76	PdPt-TiO ₂ nanowires: correlating composition, electronic effects and O-vacancies with activities towards water splitting and oxygen reduction. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119177.	20.2	36
77	Gold-Rhodium Nanoflowers for the Plasmon-Enhanced Hydrogen Evolution Reaction under Visible Light. <i>ACS Catalysis</i> , 2021, 11, 13543-13555.	11.2	36
78	The effect of iron hydroxide on nickelous hydroxide electrodes with emphasis on the oxygen evolution reaction. <i>Electrochimica Acta</i> , 1987, 32, 749-755.	5.2	35
79	Layer-by-Layer Nanostructured Hybrid Films of Polyaniline and Vanadium Oxide. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 29-32.	0.9	34
80	Ionic transport in conducting polymers/nickel tetrasulfonated phthalocyanine modified electrodes. <i>Polymer</i> , 2003, 44, 5369-5379.	3.8	34
81	Physicochemical Properties of Three Ionic Liquids Containing a Tetracyanoborate Anion and Their Lithium Salt Mixtures. <i>Journal of Physical Chemistry B</i> , 2014, 118, 8772-8781.	2.6	34
82	Synthesis of highly dispersed gold nanoparticles on Al ₂ O ₃ , SiO ₂ , and TiO ₂ for the solvent-free oxidation of benzyl alcohol under low metal loadings. <i>Journal of Materials Science</i> , 2019, 54, 238-251.	3.7	34
83	XANES study of polyaniline-V ₂ O ₅ and sulfonated polyaniline-V ₂ O ₅ nanocomposites. <i>Electrochimica Acta</i> , 2002, 47, 3179-3186.	5.2	33
84	On-line mass spectrometric detection of ammonia oxidation products generated by polypyrrole based amperometric sensors. <i>Analytica Chimica Acta</i> , 2003, 489, 207-214.	5.4	33
85	Mixed Ni/Co Hydroxide Nanoparticles Synthesized by Sonochemical Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3221-3226.	0.9	33
86	In situ FTIR insights into the electrooxidation mechanism of glucose as a function of the surface facets of Cu ₂ O-based electrocatalytic sensors. <i>Journal of Catalysis</i> , 2019, 375, 95-103.	6.2	33
87	Infrared characterization of electrochromic nickel hydroxide prepared by homogeneous chemical precipitation. <i>Thin Solid Films</i> , 1993, 229, 180-186.	1.8	32
88	Técnicas in situ de baixo custo em eletroquímica: a microbalança a cristal de quartzo. <i>Química Nova</i> , 2000, 23, 664-679.	0.3	32
89	Redox behavior of crosslinked polyaniline films. <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 91-94.	0.6	32
90	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.	5.2	32

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91	All solid-state electrochromic device consisting of a water soluble viologen dissolved in gelatin-based ionogel. <i>Solar Energy Materials and Solar Cells</i> , 2015, 132, 101-106.	6.2	32
92	Study of charge compensation during the redox process of self-doped polyaniline in aqueous media. <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 32.	0.6	31
93	Characterization of conducting polyaniline blends by Resonance Raman Spectroscopy. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 322-327.	0.6	31
94	On the pH dependence of electroactivity of poly(methylene blue) films. <i>Electrochimica Acta</i> , 2010, 55, 1766-1771.	5.2	31
95	Performance improvement of macroporous polypyrrole sensor for detection of ammonia by incorporation of magnetite nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 444-451.	7.8	31
96	Comparison of V[sub 2]O[sub 5] Xerogels Prepared by the Vanadate and Alkoxide Routes Using X-Ray Absorption and other Methods. <i>Journal of the Electrochemical Society</i> , 2003, 150, A721.	2.9	30
97	Evidence of redox interactions between polypyrrole and Fe ₃ O ₄ in polypyrrole-Fe ₃ O ₄ composite films. <i>Electrochimica Acta</i> , 2010, 55, 6116-6122.	5.2	30
98	Novel Conducting and Biodegradable Copolymers with Noncytotoxic Properties toward Embryonic Stem Cells. <i>ACS Omega</i> , 2018, 3, 5593-5604.	3.5	30
99	Structural, morphological and spectroelectrochemical characterization of poly (2-ethyl aniline). <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 317-323.	0.6	29
100	Materiais para cátodos de baterias secundárias de lítio. <i>Quimica Nova</i> , 2002, 25, 287-299.	0.3	29
101	Design of molecular wires based on supramolecular structures for application in glucose biosensors. <i>Biosensors and Bioelectronics</i> , 2006, 22, 298-305.	10.1	28
102	Nanochromics: old materials, new structures and architectures for high performance devices. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 1248-1257.	0.6	28
103	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.	6.2	28
104	Evaluating the performance of polypyrrole nanowires on the electrochemical sensing of ammonia in solution. <i>Journal of Electroanalytical Chemistry</i> , 2012, 669, 90-94.	3.8	26
105	Cysteine electrooxidation in alkaline and acidic media: a combined spectroelectrochemical and computational study. <i>RSC Advances</i> , 2017, 7, 7492-7501.	3.6	26
106	Urea amperometric biosensors based on a multifunctional bipolymeric layer: Comparing enzyme immobilization methods. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 476-482.	7.8	25
107	Structure effects of self-assembled Prussian blue confined in highly organized mesoporous TiO ₂ on the electrocatalytic properties towards H ₂ O ₂ detection. <i>Biosensors and Bioelectronics</i> , 2010, 26, 890-893.	10.1	25
108	Template synthesis of polyaniline: a route to achieve nanocomposites. <i>Synthetic Metals</i> , 1999, 101, 754-755.	3.9	24

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109	Resonant Raman spectroscopy as a tool for determining the formation of a ladder structure in electropolymerized poly(5-amino-1-naphthol). <i>Journal of Electroanalytical Chemistry</i> , 2002, 518, 33-40.	3.8	22
110	Micro/nanostructured carbon composite modified with a hybrid redox mediator and enzymes as a glucose biosensor. <i>Carbon</i> , 2011, 49, 3039-3047.	10.3	22
111	Opportunities and Knowledge Gaps of SO_2 Electrocatalytic Oxidation for H_2 Electrochemical Generation. <i>ACS Catalysis</i> , 2019, 9, 8136-8143.	11.2	22
112	Polyaniline composites: improving the electrochemical properties by template synthesis. <i>Journal of Solid State Electrochemistry</i> , 2001, 5, 412-418.	2.5	21
113	Structural and electrochemical properties of nanocomposites formed by V_2O_5 and poly(3-alkylpyrroles). <i>Journal of Power Sources</i> , 2003, 114, 133-136.	7.8	21
114	Polymeric electro-mechanic devices applied to antibiotic-controlled release. <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 638-644.	7.8	21
115	Three-dimensional graphene/carbon nanotubes hybrid composites for exploring interaction between glucose oxidase and carbon based electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2016, 775, 235-242.	3.8	21
116	Electrochromic behavior of WO_3 nanoplate thin films in acid aqueous solution and a protic ionic liquid. <i>Journal of Electroanalytical Chemistry</i> , 2016, 765, 111-117.	3.8	21
117	One pot biocatalytic synthesis of a biodegradable electroactive macromonomer based on 3,4-ethylenedioxythiophene and poly(L-lactic acid). <i>Materials Science and Engineering C</i> , 2018, 83, 35-43.	7.3	21
118	The long and successful journey of electrochemically active amino acids. From fundamental adsorption studies to potential surface engineering tools.. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 607-630.	0.8	21
119	Mechanistic Insights into the Light-Driven Catalysis of an Immobilized Lipase on Plasmonic Nanomaterials. <i>ACS Catalysis</i> , 2021, 11, 414-423.	11.2	21
120	An Organic Aqueous Gel as Electrolyte for Application in Electrochromic Devices Based in Bismuth Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2003, 150, E578.	2.9	20
121	Fully conducting hydro-sponges with electro-swelling properties tuned by synthetic parameters. <i>Electrochimica Acta</i> , 2013, 101, 216-224.	5.2	20
122	Rheological Changes and Kinetics of Water Uptake by Poly(ionic liquid)-Based Thin Films. <i>Langmuir</i> , 2013, 29, 15589-15595.	3.5	20
123	Visible light plasmon excitation of silver nanoparticles against antibiotic-resistant <i>Pseudomonas aeruginosa</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101908.	2.6	19
124	AgAu Hollow Nanoshells on Layered Graphene Oxide and Silica Submicrospheres as Plasmonic Nanozymes for Light-Enhanced Electrochemical H_2O_2 Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 12062-12072.	5.0	19
125	Design considerations for ionic liquid based electrochemical double layer capacitors. <i>Electrochimica Acta</i> , 2018, 270, 453-460.	5.2	18
126	Electrodissolution of cobalt in carbonate/bicarbonate media. <i>Electrochimica Acta</i> , 2002, 47, 4531-4541.	5.2	17

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127	Determination of the Formation of Ladder Structure in Poly(5-amino-1-naphthol) by Resonant Raman and XPS Characterization. <i>Macromolecules</i> , 2003, 36, 2079-2084.	4.8	16
128	Chemical modification of a nanocrystalline TiO ₂ film for efficient electric connection of glucose oxidase. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 442-447.	9.4	16
129	Ni(ii)-modified solid substrates as a platform to adsorb His-tag proteins. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4921.	5.8	16
130	Zero-Order Release Profiles from A Multistimuli Responsive Electro-Conductive Hydrogel. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2012, 03, 262-268.	0.5	16
131	Uma visÃ£o das tendÃancias e perspectivas em eletrocromismo: a busca de novos materiais e desenhos mais simples. <i>Quimica Nova</i> , 2000, 23, 79-87.	0.3	15
132	Porous Polymeric Templates on ITO Prepared by Breath Figure Method for Gold Electrodeposition. <i>Electrochimica Acta</i> , 2015, 158, 187-195.	5.2	15
133	Spectroelectrochemical study of a soluble derivative of poly(aniline) in a room temperature ionic liquid. <i>Electrochimica Acta</i> , 2007, 53, 1217-1224.	5.2	14
134	Nanostructured thin films obtained by electrodeposition over a colloidal crystal template: applications in electrochemical devices. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 663-673.	0.6	14
135	Macroporous MnO ₂ electrodes obtained by template assisted electrodeposition for electrochemical capacitors. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1704-1709.	0.6	14
136	Improving the performance of a glucose biosensor using an ionic liquid for enzyme immobilization. On the chemical interaction between the biomolecule, the ionic liquid and the cross-linking agent. <i>Electrochimica Acta</i> , 2012, 73, 123-128.	5.2	14
137	In search of an appropriate ionic liquid as electrolyte for macroporous manganese oxide film electrochemistry. <i>Journal of Power Sources</i> , 2013, 239, 1-8.	7.8	14
138	Electrical Stimulation and Conductive Polymers as a Powerful Toolbox for Tailoring Cell Behaviour in vitro. <i>Frontiers in Medical Technology</i> , 2021, 3, 670274.	2.5	14
139	Effect of thickness, chemical nature of dopants and an alkyl substituent on absorption bands of polyaniline. <i>Journal of Solid State Electrochemistry</i> , 1998, 2, 24-29.	2.5	13
140	Template conversion of MoO ₃ to MoS ₂ nanoribbons: synthesis and electrochemical properties. <i>RSC Advances</i> , 2018, 8, 30346-30353.	3.6	13
141	Kinetics, Assembling, and Conformation Control of Lâ€Cysteine Adsorption on Pt Investigated by in situ FTIR Spectroscopy and QCMâ€D. <i>ChemPhysChem</i> , 2018, 19, 2340-2348.	2.1	13
142	The effect of nanoscale surface electrical properties of partially biodegradable PEDOT-co-PDLLA conducting polymers on protein adhesion investigated by atomic force microscopy. <i>Materials Science and Engineering C</i> , 2019, 99, 468-478.	7.3	13
143	Spectroelectrochemical characterization (OMA and Raman) of sulfonic acids â€” doped polyanilines. <i>Synthetic Metals</i> , 1997, 84, 785-786.	3.9	12
144	Stabilization of polyaniline by the incorporation of magnetite nanoparticles. <i>Materials Chemistry and Physics</i> , 2012, 132, 529-533.	4.0	12

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145	Polymeric binuclear ruthenium complex as efficient electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2018, 283, 18-26.	5.2	12
146	Tuning protein delivery from different architectures of layer-by-layer assemblies on polymer films. <i>Materials Advances</i> , 2020, 1, 2043-2056.	5.4	12
147	Impedance spectroscopy study of poly(ethylene oxide) sodium hexafluortitanate complex. <i>Solid State Ionics</i> , 1999, 126, 259-267.	2.7	11
148	Lithium intercalation in nanostructured thin films of a mixed-valence layered vanadium oxide using an ionic liquid electrolyte. <i>Journal of Power Sources</i> , 2013, 224, 72-79.	7.8	11
149	Influence of the Electrode and Chaotropicity of the Electrolyte on the Oscillatory Behavior of the Electrocatalytic Oxidation of SO ₂ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 1243-1247.	3.1	11
150	Use of poly[ionic liquid] as a conductive binder in lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 3589-3596.	2.5	11
151	Porous Graphene Oxide Films Prepared via the Breath-Figure Method: A Simple Strategy for Switching Access of Redox Species to an Electrode Surface. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55181-55188.	8.0	11
152	The importance of the shape of Cu ₂ O nanocrystals on plasmon-enhanced oxygen evolution reaction in alkaline media. <i>Electrochimica Acta</i> , 2021, 390, 138810.	5.2	11
153	Spectroscopic characterization and investigation of the dynamic of charge compensation process of supramolecular films derived from tetra-2-pyridyl-1,4-pyrazine ligand. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 651-659.	0.6	10
154	Platinum nanoparticle-modified electrodes, morphologic, and electrochemical studies concerning electroactive materials deposition. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 675-679.	2.5	10
155	Investigation of the electrochemical behavior of l-cysteine in acidic media. <i>Journal of Electroanalytical Chemistry</i> , 2016, 765, 87-91.	3.8	10
156	Electrochemical quartz crystal microbalance with dissipation investigation of fibronectin adsorption dynamics driven by electrical stimulation onto a conducting and partially biodegradable copolymer. <i>Biointerphases</i> , 2020, 15, 021003.	1.6	10
157	High-resolution light-activated electrochemistry on amorphous silicon-based photoelectrodes. <i>Chemical Communications</i> , 2020, 56, 7435-7438.	4.1	9
158	Influence of Ni doping on vanadium oxide/hexadecylamine multiwall nanotubes. <i>Physica B: Condensed Matter</i> , 2007, 398, 333-336.	2.7	8
159	Nitric oxide sensing by cytochrome c bonded to a conducting polymer modified glassy carbon electrode. <i>Synthetic Metals</i> , 2009, 159, 2159-2161.	3.9	8
160	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, 3332-3337.	3.5	8
161	Correlation between pore size and reactivity of macro/mesoporous iron and copper hexacyanoferrates for H ₂ O ₂ electrocatalysis. <i>Journal of Electroanalytical Chemistry</i> , 2013, 706, 48-54.	3.8	8
162	Viologen-functionalized poly(ionic liquids): Spectroelectrochemical and QCM-D studies. <i>Journal of Electroanalytical Chemistry</i> , 2018, 819, 365-373.	3.8	8

#	ARTICLE	IF	CITATIONS
163	Influence of Anion Chaotropicity on the SO ₂ Oxidation Reaction: When Spectator Species Determine the Reaction Pathway. <i>ChemElectroChem</i> , 2020, 7, 1843-1850.	3.4	8
164	SO ₂ electrooxidation reaction on Pt single crystal surfaces in acidic media: Electrochemical and in situ FTIR studies. <i>Electrochimica Acta</i> , 2022, 403, 139601.	5.2	8
165	Gold-rhodium nanoflowers for the plasmon enhanced ethanol electrooxidation under visible light for tuning the activity and selectivity. <i>Electrochimica Acta</i> , 2022, 420, 140439.	5.2	8
166	Immobilization of Catalysts of Biological Interest on Porous Oxidized Silicon Surfaces. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 3570-3576.	0.9	7
167	Kinetic and Thermodynamic Studies on the Adsorption of Reactive Red 239 by Carra Sawdust Treated with Formaldehyde. <i>Adsorption Science and Technology</i> , 2012, 30, 881-899.	3.2	7
168	From a planar electrode to a random assembly of microelectrodes: A new approach based on the electrochemical reduction of 5-bromo-1,10-phenanthroline at gold electrodes. <i>Electrochemistry Communications</i> , 2014, 38, 32-35.	4.7	7
169	Controlling Gold Electrodeposition on Porous Polymeric Templates Produced by the Breathable Figure Method: Fabrication of SERS-Active Surfaces. <i>ChemPlusChem</i> , 2019, 84, 1052-1059.	2.8	7
170	Mechanism of Electrochemical L-cysteine Oxidation on Pt. <i>ChemElectroChem</i> , 2019, 6, 1009-1013.	3.4	7
171	Electroactivity of 3D conducting polymers in water-in-salt electrolyte and their electrochemical capacitor performance. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114822.	3.8	7
172	Cerium oxide-sulfur nano hybrids: Combining the robust adsorption of polysulfides with enhanced redox kinetics to improve the energy Storage capabilities of Li-S batteries. <i>Electrochimica Acta</i> , 2021, 382, 138284.	5.2	7
173	Metal oxides as electrocatalysts for water splitting: On plasmon-driven enhanced activity. <i>Electrochemical Science Advances</i> , 2022, 2, e2100079.	2.8	7
174	Stimuli-Responsive Regulation of Biocatalysis through Metallic Nanoparticle Interaction. <i>Bioconjugate Chemistry</i> , 2022, 33, 53-66.	3.6	7
175	Raman characterization of C ₆₀ salts electroformed in aqueous media. <i>Electrochemistry Communications</i> , 2000, 2, 547-551.	4.7	6
176	Improvement of thermal stability of an organic-aqueous gel electrolyte for bismuth electrodeposition devices. <i>Solar Energy Materials and Solar Cells</i> , 2005, 85, 489-497.	6.2	6
177	QCM-D study of electrochemical synthesis of 3D polypyrrole thin films for negative electrodes in supercapacitors. <i>Electrochimica Acta</i> , 2019, 324, 134887.	5.2	6
178	Electronic and ionic exchange in poly(5-amino 1-naphthol) in acid aqueous solution. <i>Electrochimica Acta</i> , 2004, 49, 1409-1415.	5.2	6
179	MnO ₂ Nanowires Decorated with Au Nanoparticles for Plasmon-Enhanced Electroanalytic Detection of H ₂ O ₂ . <i>ACS Applied Nano Materials</i> , 2022, 5, 2943-2952.	5.0	6
180	Capacitive electrical stimulation of a conducting polymeric thin film induces human mesenchymal stem cell osteogenesis. <i>Biointerphases</i> , 2022, 17, 011001.	1.6	6

#	ARTICLE	IF	CITATIONS
181	Direct evidence of redox mediation between a poly(aniline-co-N-propanesulfonic acid aniline) and 2,5-dimercapto-1,3,4-thiadiazole by UV-visible reflectance spectroscopy. <i>Journal of the Brazilian Chemical Society</i> , 2002, 13, 449.	0.6	5
182	Identification of charge carriers in the conduction mechanism of an alternated copolymer of poly(aniline) and poly(phenylene sulfide). <i>Polymer</i> , 2006, 47, 1259-1266.	3.8	5
183	Controlling hydrophilicity and electrocatalytic properties of metallic hexacyanoferrates/conducting polymers hybrids for the detection of H ₂ O ₂ . <i>Electrochimica Acta</i> , 2013, 110, 459-464.	5.2	5
184	Electrochemical template synthesis of adherent polyaniline thin films with tubular structure. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 983-991.	2.5	5
185	An Overview on the Development of Electrochemical Capacitors and Batteries – Part I. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20200796.	0.8	5
186	Mechanochemical Strategies for the Preparation of SiO ₂ -Supported AgAu Nanoalloy Catalysts. <i>Frontiers in Chemistry</i> , 2022, 10, 836597.	3.6	5
187	Hierarchically fractal Co with highly exposed active facets and directed electron-transfer effect. <i>Chemical Communications</i> , 2022, 58, 6882-6885.	4.1	5
188	Characterization of anodic silicon oxide films grown in room temperature ionic liquids. <i>Electrochimica Acta</i> , 2008, 53, 7396-7402.	5.2	4
189	QCM-D studies of polypyrrole influence on structure stabilization of β phase of Ni(OH) ₂ nanoparticles during electrochemical cycling. <i>Electrochemistry Communications</i> , 2014, 48, 164-168.	4.7	4
190	L-Cysteine oxidation studied by rotating ring disk electrodes: Verification of reaction intermediates. <i>Journal of Electroanalytical Chemistry</i> , 2018, 817, 18-23.	3.8	4
191	Raman resonances in sulfonate or Cl-doped PANI films. , 1997, , .		3
192	Spatially localized electrodeposition of multiple metals via light-activated electrochemistry for surface enhanced Raman spectroscopy applications. <i>Chemical Communications</i> , 2020, 56, 5831-5834.	4.1	3
193	L-cysteine oxidation on Pt and Au rotating disk electrodes: Insights on mixed controlled kinetics. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114920.	3.8	3
194	Assembly of Nano-Biocatalyst for the Tandem Hydrolysis and Reduction of p-Nitrophenol Esters. <i>Particle and Particle Systems Characterization</i> , 2021, 38, 2100136.	2.3	3
195	Articula nas publica – umes cientificas. <i>Quimica Nova</i> , 2008, 31, 197-197.	0.3	3
196	Biomassa renovavel e o futuro da industria quimica. <i>Quimica Nova</i> , 2008, 31, 1923-1923.	0.3	3
197	A importancia das revistas Quimica Nova e Journal of the Brazilian Chemical Society no crescimento da area de quimica no Brasil. <i>Quimica Nova</i> , 2007, 30, 1491-1497.	0.3	2
198	Sociedade, divulgacao e o cientifico e jornalismo cientifico. <i>Quimica Nova</i> , 2012, 35, 447-447.	0.3	2

#	ARTICLE	IF	CITATIONS
199	Hã futuro para as revistas das sociedades cientÃficas?. Quimica Nova, 2010, 33, 243-243.	0.3	1
200	Ã% plÃgio: e daÃ?. Quimica Nova, 2011, 34, 371-371.	0.3	1
201	Gold Nanoparticles and [PEDOT-Poly(D,L-Lactic Acid)] Composite: Synthesis, Characterization and Application to H2O2 Sensing. Journal of the Brazilian Chemical Society, 0, , .	0.6	1
202	Electrodeposition of a Nanostructured Hybrid Copper Hexacyanoferrate/Polypyrrole Film Using Lyotropic Liquid Crystals and Colloidal Particles Templates. Application to H2O2 Detection.. ECS Transactions, 2007, 11, 7-19.	0.5	0
203	Influence of Anion Chaotropicity on the SO 2 Oxidation Reaction: When Spectator Species Determine the Reaction Pathway. ChemElectroChem, 2020, 7, 1804-1804.	3.4	0
204	Downplaying the role of water in the rheological changes of conducting polymers by using water-in-salt electrolytes. Physical Chemistry Chemical Physics, 2021, 23, 12251-12259.	2.8	0
205	Novidades em QN. Quimica Nova, 2008, 31, 1607-1607.	0.3	0
206	QuÃmica Ã© uma ciÃncia em expansÃo. Quimica Nova, 2009, 32, 1987-1987.	0.3	0
207	Homenagem da sociedade Brasileira de quÃmica ao professor Hans Viertler. Quimica Nova, 2010, 33, 2013-2013.	0.3	0
208	PaÃs emergente em ciÃncia. Quimica Nova, 2011, 34, 179-180.	0.3	0
209	DiÃlogos da sociedade sobre a biodiversidade brasileira na Rio+20. Quimica Nova, 2012, 35, 1073-1074.	0.3	0
210	O que esperamos das revistas da SBQ?. Quimica Nova, 2012, 35, 233-234.	0.3	0
211	SYNTHESIS AND CHARACTERIZATION OF MACROPOROUS ORGANIC-INORGANIC COMPOSITES FOR H2O2SENSING. Quimica Nova, 2015, , .	0.3	0