

Roberto Manuel Torresi

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192
papers

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63
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202
ext. papers

5,846
ext. citations

4.5
avg, IF

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L-index

#	Paper	IF	Citations
192	Transport coefficients, Raman spectroscopy, and computer simulation of lithium salt solutions in an ionic liquid. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 2102-9	3.4	187
191	Electrode passivation caused by polymerization of different phenolic compounds. <i>Electrochimica Acta</i> , 2006 , 52, 434-442	6.7	178
190	Accelerating rate calorimetry studies of the reactions between ionic liquids and charged lithium ion battery electrode materials. <i>Electrochimica Acta</i> , 2007 , 52, 6346-6352	6.7	160
189	Synthesis and characterization of two ionic liquids with emphasis on their chemical stability towards metallic lithium. <i>Electrochimica Acta</i> , 2007 , 52, 6427-6437	6.7	148
188	Calibration of the Electrochemical Quartz Crystal Microbalance. <i>Journal of the Electrochemical Society</i> , 1991 , 138, 2657-2660	3.9	136
187	Polyaniline acrylic coatings for corrosion inhibition: the role played by counter-ions. <i>Corrosion Science</i> , 2005 , 47, 811-822	6.8	123
186	The sulfur dioxide-1-butyl-3-methylimidazolium bromide interaction: drastic changes in structural and physical properties. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 8717-9	3.4	92
185	Molecular-Level Manipulation of V2O5/Polyaniline Layer-by-Layer Films To Control Electrochromogenic and Electrochemical Properties. <i>Chemistry of Materials</i> , 2004 , 16, 2293-2299	9.6	90
184	Nanofibers composite vanadium oxide/polyaniline: synthesis and characterization of an electroactive anisotropic structure. <i>Electrochemistry Communications</i> , 2003 , 5, 1011-1015	5.1	90
183	Charge Compensation Dynamics in the Redox Processes of Polypyrrole-Modified Electrodes. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 15910-15916		88
182	Hydrogen evolution reaction on anodic titanium oxide films. <i>Electrochimica Acta</i> , 1987 , 32, 1291-1301	6.7	84
181	The role of ion exchange in the redox processes of polypyrrole/dodecyl sulfate films as studied by electrogravimetry using a quartz crystal microbalance. <i>Synthetic Metals</i> , 1992 , 48, 259-270	3.6	81
180	Electrochromic Behavior of Nickel Oxide Electrodes: I. Identification of the Colored State Using Quartz Crystal Microbalance. <i>Journal of the Electrochemical Society</i> , 1991 , 138, 1548-1553	3.9	79
179	Ether-bond-containing ionic liquids and the relevance of the ether bond position to transport properties. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 12488-94	3.4	75
178	Ionic exchanges in dodecylbenzenesulfonate doped polypyrrole Part 1. Optical beam deflection studies. <i>Synthetic Metals</i> , 1995 , 72, 59-64	3.6	74
177	Cathodes for lithium ion batteries: the benefits of using nanostructured materials. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 627-642	1.5	70
176	Galvanic coupling between metal substrate and polyaniline acrylic blends: corrosion protection mechanism. <i>Electrochimica Acta</i> , 2005 , 50, 2213-2218	6.7	70

175	Polyaniline Based Acrylic Blends for Iron Corrosion Protection. <i>Electrochemical and Solid-State Letters</i> , 2001 , 4, B27		70
174	Electrochemical and morphological stabilization of V ₂ O ₅ nanofibers by the addition of polyaniline. <i>Electrochimica Acta</i> , 2007 , 52, 4419-4427	6.7	65
173	Electrochromism of WO ₃ in acid solutions. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 318, 131-144		63
172	Passivity breakdown, its relation to pitting and stress-corrosion-cracking processes. <i>Corrosion Science</i> , 1990 , 31, 563-571	6.8	63
171	Piezoelectric immunochip coated with thin films of bacterial cellulose nanocrystals for dengue detection. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 47-53	11.8	61
170	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	4.8	60
169	Challenges and opportunities in the bottom-up mechanochemical synthesis of noble metal nanoparticles. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16114-16141	13	60
168	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, 586-93	9.3	59
167	Electroactive Multilayer Films of Polyaniline and Vanadium Pentoxide. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 8351-8354	3.4	59
166	Potentiodynamic and AC Impedance Investigation of Anodic Zirconium Oxide Films. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 524-530	3.9	59
165	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	3.9	58
164	Role of ion exchange in the redox processes of a polyaniline film studied by an ac quartz crystal microbalance. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990 , 290, 269-274		58
163	Ionic exchanges in dodecylbenzenesulfonate-doped polypyrrole Part II: Electrochemical quartz crystal microbalance study. <i>Synthetic Metals</i> , 1995 , 72, 283-287	3.6	56
162	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	4.1	54
161	Ether-Bond-Containing Ionic Liquids as Supercapacitor Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2970-2974	6.4	53
160	Kinetic Study of Lithium Electroinsertion in Titanium Oxide Thin Films. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 4865-4869		53
159	Conducting polymers revisited: applications in energy, electrochromism and molecular recognition. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 2489-2515	2.6	52
158	Electrochromic behaviour of sputtered titanium oxide thin films. <i>Thin Solid Films</i> , 1995 , 259, 70-74	2.2	52

157	Shielding of ionic interactions by sulfur dioxide in an ionic liquid. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 6430-5	3.4	51
156	Comparisons of charge compensation process in aqueous media of polyaniline and self-doped polyanilines. <i>Synthetic Metals</i> , 2001 , 122, 321-327	3.6	51
155	Investigation of the Electrical and Electrochemical Properties of Nanocomposites from V2O5, Polypyrrole, and Polyaniline. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 2202-2209	3.8	50
154	Ionic liquids in electrochemical energy storage. <i>Current Opinion in Electrochemistry</i> , 2018 , 9, 26-32	7.2	46
153	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	8.9	45
152	Lithium insertion in WO3 studied by simultaneous measurements of impedance, electrogravimetric and electro-optical transfer functions. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 378, 85-92	4.1	45
151	Ionic Liquids Containing Sulfonium Cations as Electrolytes for Electrochemical Double Layer Capacitors. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 23865-23874	3.8	43
150	Electrostatic layer-by-layer deposition and electrochemical characterization of thin films composed of MnO2 nanoparticles in a room-temperature ionic liquid. <i>Langmuir</i> , 2008 , 24, 3602-10	4	42
149	Mechanism of Action of Corrosion Protection Coating for AA2024-T3 Based on Poly(aniline)-Poly(methylmethacrylate) Blend. <i>Journal of the Electrochemical Society</i> , 2005 , 152, B45	3.9	42
148	Electrochemical and kinetic studies of lithium intercalation in composite nanofibers of vanadium oxide/polyaniline. <i>Electrochimica Acta</i> , 2005 , 50, 5009-5014	6.7	42
147	Electrochemical and Raman studies on a hybrid organic/inorganic nanocomposite of vanadium oxide and a sulfonated polyaniline. <i>Electrochimica Acta</i> , 2001 , 46, 3555-3562	6.7	42
146	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, 1457-62	3.6	41
145	Redox behavior of nanohybrid material with defined morphology: Vanadium oxide nanotubes intercalated with polyaniline. <i>Journal of Power Sources</i> , 2006 , 156, 533-540	8.9	41
144	Ellipsometric, Electrogravimetric, and Spectroelectrochemical Studies of the Redox Process of Sulfonated Polyaniline. <i>Langmuir</i> , 2000 , 16, 7835-7841	4	41
143	Quartz crystal microbalance characterization of electrochemical doping of polyaniline films. <i>Synthetic Metals</i> , 1993 , 61, 291-296	3.6	41
142	Influence of the hydrogen evolution reaction on the anodic titanium oxide film properties. <i>Electrochimica Acta</i> , 1987 , 32, 1357-1363	6.7	41
141	Effect of Additives in the Stabilization of the β -Phase of Ni(OH) ₂ Electrodes. <i>Journal of the Electrochemical Society</i> , 2001 , 148, A1179	3.9	40
140	Changes on iron electrode surface during hydrogen permeation in borate buffer solution. <i>Electrochimica Acta</i> , 2008 , 53, 3670-3679	6.7	37

139	Influence of the water content on the structure and physicochemical properties of an ionic liquid and its Li ⁺ mixture. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 8782-92	3-4	35
138	AFM morphological study of electropolymerised polyaniline films modified by surfactant and large anions. <i>Electrochemistry Communications</i> , 2000 , 2, 377-381	5-1	35
137	Ionic Exchange Phenomena Related to the Redox Processes of Polyaniline in Nonaqueous Media. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 665	3-9	35
136	Two phosphonium ionic liquids with high Li(+) transport number. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 23041-51	3-6	34
135	Ionic transport in conducting polymers/nickel tetrasulfonated phthalocyanine modified electrodes. <i>Polymer</i> , 2003 , 44, 5369-5379	3-9	34
134	Layer-by-layer nanostructured hybrid films of polyaniline and vanadium oxide. <i>Journal of Nanoscience and Nanotechnology</i> , 2002 , 2, 29-32	1-3	34
133	Separation of ionic and solvent transport during charge compensation processes in electroactive polymers by a.c. electrogravimetry. <i>Electrochimica Acta</i> , 1999 , 44, 4217-4225	6-7	34
132	An electrochemical quartz crystal microbalance study of lithium insertion into thin films of tungsten trioxide I. Modeling of the ionic insertion mechanism. <i>Electrochimica Acta</i> , 1995 , 40, 2755-2764	6-7	34
131	Electrochemical and chromogenic relaxation processes in polyaniline films. <i>Polymer</i> , 2002 , 43, 5895-5903	3-9	33
130	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. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 2437	3-9	33
129	Investigations and modelling of e-beam evaporated NiO(OH) _x films. <i>Solar Energy Materials and Solar Cells</i> , 1992 , 25, 93-103	6-4	33
128	Physicochemical properties of three ionic liquids containing a tetracyanoborate anion and their lithium salt mixtures. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 8772-81	3-4	30
127	A Comparison among Viscosity, Density, Conductivity, and Electrochemical Windows of N-n-Butyl-N-methylpyrrolidinium and Triethyl-n-pentylphosphonium Bis(fluorosulfonyl imide) Ionic Liquids and Their Analogues Containing Bis(trifluoromethylsulfonyl) Imide Anion. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 3437-3444	2-8	29
126	Comparison of V ₂ O 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	3-9	29
125	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 eletrocatalise, electrocromismo e baterias secund�rias. <i>Quimica Nova</i> , 2010 , 33, 2176-2186	1-6	28
124	XANES study of polyaniline/V ₂ O ₅ and sulfonated polyaniline/V ₂ O ₅ nanocomposites. <i>Electrochimica Acta</i> , 2002 , 47, 3179-3186	6-7	28
123	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	6-4	27
122	T�cnicas in situ de baixo custo em eletroqu�mica: a microbalan�a cristal de quartzo. <i>Quimica Nova</i> , 2000 , 23, 664-679	1-6	27

121	Design of molecular wires based on supramolecular structures for application in glucose biosensors. <i>Biosensors and Bioelectronics</i> , 2006 , 22, 298-305	11.8	26
120	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	1.5	26
119	Electrochemical intercalation in NiOx thin films. <i>Electrochimica Acta</i> , 1993 , 38, 2765-2771	6.7	26
118	Infrared characterization of electrochromic nickel hydroxide prepared by homogeneous chemical precipitation. <i>Thin Solid Films</i> , 1993 , 229, 180-186	2.2	26
117	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	6.7	25
116	On the pH dependence of electroactivity of poly(methylene blue) films. <i>Electrochimica Acta</i> , 2010 , 55, 1766-1771	6.7	25
115	An analytical application of the electrocatalysis of the iodate reduction at tungsten oxide films. <i>Talanta</i> , 2006 , 69, 148-53	6.2	25
114	Water-in-salt electrolytes for high voltage aqueous electrochemical energy storage devices. <i>Current Opinion in Electrochemistry</i> , 2020 , 21, 62-68	7.2	24
113	Improved Performance of Ionic Liquid Supercapacitors by using Tetracyanoborate Anions. <i>ChemElectroChem</i> , 2018 , 5, 598-604	4.3	24
112	Electrochemical properties of poly(3,4-ethylenedioxythiophene) grown on Pt(111) in imidazolium ionic liquids. <i>RSC Advances</i> , 2014 , 4, 3383-3391	3.7	23
111	Surface and electrochemical investigations of a fullerene soot. <i>Electrochimica Acta</i> , 1999 , 44, 3565-3574	6.7	23
110	Materiais para codos de baterias secundrias de lio. <i>Qumica Nova</i> , 2002 , 25, 287-299	1.6	22
109	One-Step Synthesis, Characterization, and Properties of Emeraldine Salt Nanofibers Containing Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4267-4274	3.8	21
108	Comparison of the Quartz-Crystal Microbalance and the Double-Layer Capacitance Methods for Measuring the Kinetics of the Adsorption of Bovine Serum Albumin onto a Gold Electrode. <i>Journal of the Electrochemical Society</i> , 1992 , 139, 1619-1622	3.9	21
107	Structural and electrochemical properties of nanocomposites formed by V ₂ O ₅ and poly(3-alkylpyrroles). <i>Journal of Power Sources</i> , 2003 , 114, 133-136	8.9	20
106	Ionic liquids containing tricyanomethanide anions: physicochemical characterisation and performance as electrochemical double-layer capacitor electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 16867-16874	3.6	19
105	NMR and Conductivity Studies of Ethylene Oxide/Epichloridrine Copolymer Doped with LiClO ₄ . <i>Journal of Physical Chemistry B</i> , 1997 , 101, 3469-3473	3.4	19
104	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	3.9	19

103	On the use of the quadratic logistic differential equation for the interpretation of electrointercalation processes. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 461, 161-166	4.1	19
102	Rheological changes and kinetics of water uptake by poly(ionic liquid)-based thin films. <i>Langmuir</i> , 2013 , 29, 15589-95	4	18
101	Mixed Cation and Anion Transport during Redox Cycling of a Self-Doped Polyaniline Derivative in Nonaqueous Media. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 4217	3.9	17
100	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	4.1	16
99	Probing the local environment of hybrid materials designed from ionic liquids and synthetic clay by Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 122, 469-75	4.4	16
98	Effect of SO ₂ on the transport properties of an imidazolium ionic liquid and its lithium solution. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 9662-70	3.4	16
97	Producing high-performing silicon anodes by tailoring ionic liquids as electrolytes. <i>Energy Storage Materials</i> , 2020 , 25, 477-486	19.4	16
96	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, 442-7	9.3	15
95	Solid-State NMR Study of Ion-Exchange Processes in V ₂ O ₅ Xerogel, Polyaniline/V ₂ O ₅ , and Sulfonated Polyaniline/V ₂ O ₅ Nanocomposites. <i>Journal of the Electrochemical Society</i> , 2003 , 150, A1718	3.9	15
94	Ni(ii)-modified solid substrates as a platform to adsorb His-tag proteins. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4921-4931	7.3	14
93	Electrostatic and hydrophobic interactions involved in CNT biofunctionalization with short ss-DNA. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 4459-4465	3.8	14
92	Electrochemical and chromogenics kinetics of lithium intercalation in anodic niobium oxide films. <i>Electrochimica Acta</i> , 1998 , 43, 257-264	6.7	14
91	Microgravimetric study of the influence of the solvent on the redox properties of polypyrrol modified electrodes. <i>Journal of Power Sources</i> , 2001 , 92, 50-55	8.9	14
90	Spectroscopic and Electrochemical Characterization of Polyaniline and a Ruthenium Complex, mer-[RuCl ₃ (dppb)(py)], in the Form of Langmuir-Blodgett Films. <i>Langmuir</i> , 2002 , 18, 540-546	4	14
89	Uma visã das tendências e perspectivas em eletrocromismo: a busca de novos materiais e desenhos mais simples. <i>Quimica Nova</i> , 2000 , 23, 79-87	1.6	14
88	A mirage effect analysis of the electrochemical processes in nickel hydroxide electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1993 , 354, 273-279	4.1	14
87	Design considerations for ionic liquid based electrochemical double layer capacitors. <i>Electrochimica Acta</i> , 2018 , 270, 453-460	6.7	13
86	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	1.5	13

85	EQCM behavior of copper anodes in alkaline medium and characterization of the electrocatalysis of ethanol oxidation by Cu(III). <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 374	1.5	13
84	Electrochromic phenomena in fullerene thin films. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 377, 283-285	4.85	13
83	Tandem X-ray absorption spectroscopy and scattering for in situ time-resolved monitoring of gold nanoparticle mechanosynthesis. <i>Chemical Communications</i> , 2020 , 56, 10329-10332	5.8	13
82	Spectroelectrochemical study of a soluble derivative of poly(aniline) in a room temperature ionic liquid. <i>Electrochimica Acta</i> , 2007 , 53, 1217-1224	6.7	12
81	Electrochemistry of sodium titanate nanotubes as a negative electrode for sodium-ion batteries. <i>Electrochimica Acta</i> , 2020 , 331, 135422	6.7	12
80	Investigating the role of reducing agents on mechanosynthesis of Au nanoparticles. <i>CrystEngComm</i> , 2020 , 22, 6261-6267	3.3	12
79	Electrochemistry of copper in ionic liquids with different coordinating properties. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14177	13	11
78	Magnetic characterization of vanadium oxide/polyaniline nanotubes. <i>Applied Surface Science</i> , 2007 , 254, 371-374	6.7	11
77	Impedance study of the oxidation of CO on polycrystalline platinum. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 532, 43-48	4.1	11
76	On the electrochemical polymerization of poly(p-phenylene vinylene) and poly(o-phenylene vinylene). <i>Synthetic Metals</i> , 2001 , 118, 65-70	3.6	11
75	Impedance spectroscopy study of poly(ethylene oxide) sodium hexafluortitanate complex. <i>Solid State Ionics</i> , 1999 , 126, 259-267	3.3	11
74	Investigation of bubble evolution with a quartz crystal microbalance. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 297, 515-522		11
73	Influence of glycine on Co electrodeposition: IR spectroscopy and near-surface pH investigations. <i>Electrochimica Acta</i> , 2018 , 260, 762-771	6.7	11
72	Probe effects on concentration profiles in the diffusion layer: Computational modeling and near-surface pH measurements using microelectrodes. <i>Electrochimica Acta</i> , 2018 , 292, 511-521	6.7	11
71	Comparative electrochemical performance of electrodeposited polypyrrole in protic and aprotic ionic liquids. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 737, 23-29	4.1	10
70	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	6.7	10
69	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	8.9	10
68	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	8.9	10

67	Macroporous MnO ₂ electrodes obtained by template assisted electrodeposition for electrochemical capacitors. <i>Journal of the Brazilian Chemical Society</i> , 2010 , 21, 1704-1709	1.5	10
66	Electrochemical behaviour of passive zirconium alloys. <i>Electrochimica Acta</i> , 1992 , 37, 281-287	6.7	10
65	Convective mass transport in ionic liquids studied by electrochemical and electrohydrodynamic impedance spectroscopy. <i>Electrochimica Acta</i> , 2013 , 93, 32-43	6.7	9
64	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	1.5	9
63	Electrochemical intercalation of O ₂ in La ₂ CuO ₄ single crystals. <i>Electrochimica Acta</i> , 1995 , 40, 209-212	6.7	9
62	Template conversion of MoO ₃ to MoS ₂ nanoribbons: synthesis and electrochemical properties. <i>RSC Advances</i> , 2018 , 8, 30346-30353	3.7	9
61	Use of poly[ionic liquid] as a conductive binder in lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 3589-3596	2.6	8
60	Kinetics, Assembling, and Conformation Control of L-Cysteine Adsorption on Pt Investigated by in situ FTIR Spectroscopy and QCM-D. <i>ChemPhysChem</i> , 2018 , 19, 2340-2348	3.2	8
59	Strong reduction of V ⁴⁺ amount in vanadium oxide/hexadecylamine nanotubes by doping with Co ²⁺ and Ni ²⁺ ions: Electron paramagnetic resonance and magnetic studies. <i>Journal of Applied Physics</i> , 2011 , 109, 093914	2.5	8
58	¹³ C NMR and conductivity measurements of ethylene oxide-epichlorohydrin copolymer doped with LiClO ₄ . <i>Solid State Ionics</i> , 1996 , 85, 219-223	3.3	8
57	Electrochemical behavior and structural changes of V ₂ O ₅ xerogel. <i>Journal of the Brazilian Chemical Society</i> , 2003 , 14, 536-543	1.5	8
56	Effect of the LLTO nanoparticles on the conducting properties of PEO-based solid electrolyte. <i>Solid State Sciences</i> , 2019 , 88, 41-47	3.4	8
55	An EQCM-D study of the influence of chloride on the lead anodic oxidation. <i>Electrochimica Acta</i> , 2012 , 78, 347-352	6.7	7
54	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
53	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	3.6	7
52	Immobilization of catalysts of biological interest on porous oxidized silicon surfaces. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 3570-6	1.3	7
51	Voltametric behaviour of anodic titanium oxide films close to the hydrogen evolution reaction. <i>Thin Solid Films</i> , 1988 , 162, 353-364	2.2	7
50	Viologen-functionalized poly(ionic liquids): Spectroelectrochemical and QCM-D studies. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 819, 365-373	4.1	7

49	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	1.8	6
48	Influence of Ni doping on vanadium oxide/hexadecylamine multiwall nanotubes. <i>Physica B: Condensed Matter</i> , 2007 , 398, 333-336	2.8	6
47	Layer-by-Layer Hybrid Films of Polyaniline and Vanadium Oxide. <i>Synthetic Metals</i> , 2003 , 137, 969-970	3.6	6
46	Inorganic oxide solid state electrochromic devices. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1994 , 26, 157-161	3.1	6
45	Growth of anodic niobium oxide films. <i>Electrochimica Acta</i> , 1988 , 33, 1015-1018	6.7	6
44	Enhanced Energy Storage of Fe ₃ O ₄ Nanoparticles Embedded in N-Doped Graphene. <i>ChemElectroChem</i> , 2020 , 7, 1456-1464	4.3	5
43	Thermal stability and the magnetic properties of hybrid vanadium oxide-tetradecylamine nanotubes. <i>Journal of Applied Physics</i> , 2012 , 112, 053912	2.5	5
42	Hybrid particles of polystyrene and carboxymethyl cellulose as substrates for copper ions. <i>Langmuir</i> , 2005 , 21, 8515-9	4	5
41	Transporte de carga em compósitos de polianilina/V ₂ O ₅ . <i>Quimica Nova</i> , 2004 , 27, 393-398	1.6	5
40	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	1.5	5
39	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	6.4	5
38	Tuning protein delivery from different architectures of layer-by-layer assemblies on polymer films. <i>Materials Advances</i> , 2020 , 1, 2043-2056	3.3	5
37	Small (. <i>ChemElectroChem</i> , 2021 , 8, 49-52	4.3	5
36	Electrochemical template synthesis of adherent polyaniline thin films with tubular structure. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 983-991	2.6	4
35	Using Polymeric Ionic Liquids as an Active Binder in Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A3253-A3258	3.9	4
34	QCM-D study of electrochemical synthesis of 3D polypyrrole thin films for negative electrodes in supercapacitors. <i>Electrochimica Acta</i> , 2019 , 324, 134887	6.7	4
33	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	5.1	4
32	Characterization of anodic silicon oxide films grown in room temperature ionic liquids. <i>Electrochimica Acta</i> , 2008 , 53, 7396-7402	6.7	4

31	The intercalation front in electrochromic nickel oxide electrodes: an optical analysis. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, A323-A324	1.8	4
30	Electrochromism in cobalt oxyhydroxide thin films 1991 , 1536, 104		4
29	An Overview on the Development of Electrochemical Capacitors and Batteries - Part I. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020 , 92, e20200796	1.4	4
28	Electronic and ionic exchange in poly(5-amino 1-naphthol) in acid aqueous solution 2004 , 49, 1409-1409		4
27	One-Step synthesis of PtFe/CeO ₂ catalyst for the Co-Preferential oxidation reaction at low temperatures. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 17751-17762	6.7	4
26	A Comparative Study of the Mott-Schottky Behavior of Oxide Films on Stainless Steels in Ionic Liquids and in Aqueous Solutions. <i>ECS Transactions</i> , 2009 , 25, 31-36	1	3
25	Charge compensation dynamics in a soluble copolymer of poly(aniline) and poly(phenylene sulfide). <i>Journal of Solid State Electrochemistry</i> , 2007 , 11, 1471-1479	2.6	3
24	Aspectos relacionados à utilização da equação logística quadrática em processos eletroquímicos. <i>Química Nova</i> , 2002 , 25, 99-106	1.6	3
23	Electrochemical study of interaction between polyaniline and an anionic surfactant. <i>Synthetic Metals</i> , 1999 , 101, 797	3.6	3
22	An Overview on the Development of Electrochemical Capacitors and Batteries - part II. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020 , 92, e20200800	1.4	3
21	Comments on the paper "Logistical differential equation is a general equation for electrointercalation processes?" by J.-P. Diard, B. Le Gorrec and C. Montella. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 475, 193	4.1	2
20	Response to "Comment on Potentiodynamic and AC Impedance Investigation of Anodic Zirconium Oxide Films" [J. Electrochem. Soc., 137, 524]. <i>Journal of the Electrochemical Society</i> , 1991 , 138, 876-876	3.9	2
19	Suppressing early capacitance fade of electrochemical capacitors with water-in-salt electrolytes. <i>Electrochimica Acta</i> , 2021 , 372, 137854	6.7	2
18	Cerium oxide-sulfur nanohybrids: 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	6.7	2
17	Bringing Earth-Abundant Plasmonic Catalysis to Light: Gram-Scale Mechanochemical Synthesis and Tuning of Activity by Dual Excitation of Antenna and Reactor Sites. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9750-9760	8.3	2
16	Electroactivity of 3D conducting polymers in water-in-salt electrolyte and their electrochemical capacitor performance. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 880, 114822	4.1	2
15	Formic acid electrooxidation on small, {1 0 0} structured, and Pd decorated carbon-supported Pt nanoparticles. <i>Journal of Catalysis</i> , 2021 , 400, 140-147	7.3	2
14	Optimizing the Bioaffinity Interaction between His-Tag Proteins and Ni(II) Surface Sites. <i>ACS Symposium Series</i> , 2012 , 37-53	0.4	1

13	The local environment of Co ²⁺ ions intercalated in vanadium oxide/hexadecylamine nanotubes. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 435302	1.8	1
12	Iron oxide nanoparticles and VO _x /Hexadecylamine nanotubes composite. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e268-e271	2.8	1
11	Nanocomposites from V ₂ O ₅ and Lithium-Ion Batteries 2018 , 223-249		1
10	Mechanochemical optimization of ZIF-8/Carbon/S8 composites for lithium-sulfur batteries positive electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 896, 115459	4.1	1
9	Titanium- and niobium-doped fluorophosphates as positive electrodes for sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 897, 115595	4.1	1
8	Oxygen electroreduction on small (. <i>Electrochimica Acta</i> , 2022 , 403, 139631	6.7	o
7	Aging effect on vanadium oxide hybrid nanotubes. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 505701.8		o
6	In situ-formed nitrogen-doped carbon/silicon-based materials as negative electrodes for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 115732	4.1	o
5	Nanocomposites from V ₂ O ₅ and Lithium Ion Batteries 2013 , 153-177		
4	Structural and transport phenomena studies of poly(ethylene oxide) and potassium hexafluortitanate complex. <i>Journal of Non-Crystalline Solids</i> , 2001 , 296, 107-114	3.9	
3	A chaotic approach to the interpretation of redox processes in conducting polymers. <i>Synthetic Metals</i> , 1999 , 101, 800	3.6	
2	Surface and Volumetric Phenomena on Polyaniline-Supported Electrocatalysts. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 26073-26083	3.8	
1	Downplaying the role of water in the rheological changes of conducting polymers by using water-in-salt electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 12251-12259	3.6	