

Emilia Morallon

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264
papers

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274
ext. papers

9,337
ext. citations

6.2
avg, IF

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L-index

#	Paper	IF	Citations
264	Role of surface chemistry on electric double layer capacitance of carbon materials. <i>Carbon</i> , 2005 , 43, 2677-2684	10.4	329
263	A stretchable and screen-printed electrochemical sensor for glucose determination in human perspiration. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 885-891	11.8	201
262	Chemical and electrochemical characterization of porous carbon materials. <i>Carbon</i> , 2006 , 44, 2642-2651	10.4	190
261	Tailoring the porosity of chemically activated hydrothermal carbons: Influence of the precursor and hydrothermal carbonization temperature. <i>Carbon</i> , 2013 , 62, 346-355	10.4	165
260	Electrochemical oxidation of benzoic acid at boron-doped diamond electrodes. <i>Electrochimica Acta</i> , 2002 , 47, 3509-3513	6.7	152
259	Preparation and Characterization of Antimony-Doped Tin Dioxide Electrodes. Part 1. Electrochemical Characterization. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 5036-5043	3.4	148
258	Hydrothermal carbons from hemicellulose-derived aqueous hydrolysis products as electrode materials for supercapacitors. <i>ChemSusChem</i> , 2013 , 6, 374-82	8.3	138
257	Preparation and characterization of copper-doped cobalt oxide electrodes. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 24021-9	3.4	128
256	Spectroelectrochemical study of the oxidation of aminophenols on platinum electrode in acid medium. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 565, 375-383	4.1	122
255	Synthesis of Graphitic Carbon Nanostructures from Sawdust and Their Application as Electrocatalyst Supports. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 9749-9756	3.8	120
254	Metal-free heteroatom-doped carbon-based catalysts for ORR: A critical assessment about the role of heteroatoms. <i>Carbon</i> , 2020 , 165, 434-454	10.4	109
253	Electrochemical deposition of platinum nanoparticles on different carbon supports and conducting polymers. <i>Journal of Applied Electrochemistry</i> , 2008 , 38, 259-268	2.6	105
252	Preparation and Characterization of Antimony-Doped Tin Dioxide Electrodes. 3. XPS and SIMS Characterization. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 15976-15981	3.4	105
251	Platinum particles deposited on synthetic boron-doped diamond surfaces. Application to methanol oxidation. <i>Electrochimica Acta</i> , 2003 , 48, 3891-3897	6.7	99
250	Study on electroactive and electrocatalytic surfaces of single walled carbon nanotube-modified electrodes. <i>Electrochimica Acta</i> , 2011 , 56, 2464-2470	6.7	90
249	A voltammetric and FTIR/ATR study of the electropolymerization of phenol on platinum electrodes in carbonate medium. <i>Journal of Electroanalytical Chemistry</i> , 1998 , 451, 163-171	4.1	90
248	Effect of electrochemical treatments on the surface chemistry of activated carbon. <i>Carbon</i> , 2009 , 47, 1018-1027	10.4	89

247	Electrochemical regeneration and porosity recovery of phenol-saturated granular activated carbon in an alkaline medium. <i>Carbon</i> , 2010 , 48, 2734-2745	10.4	87
246	Electrochemical oxidation of acid black 210 dye on the boron-doped diamond electrode in the presence of phosphate ions: Effect of current density, pH, and chloride ions. <i>Electrochimica Acta</i> , 2009 , 54, 7048-7055	6.7	86
245	Biomass-derived binderless fibrous carbon electrodes for ultrafast energy storage. <i>Green Chemistry</i> , 2016 , 18, 1506-1515	10	84
244	Electrochemical performance of hierarchical porous carbon materials obtained from the infiltration of lignin into zeolite templates. <i>ChemSusChem</i> , 2014 , 7, 1458-67	8.3	82
243	Asymmetric hybrid capacitors based on activated carbon and activated carbon fibre/PANI electrodes. <i>Electrochimica Acta</i> , 2013 , 89, 326-333	6.7	82
242	Investigating the influence of surfactants on the stabilization of aqueous reduced graphene oxide dispersions and the characteristics of their composite films. <i>Carbon</i> , 2012 , 50, 3184-3194	10.4	81
241	On the origin of the high capacitance of nitrogen-containing carbon nanotubes in acidic and alkaline electrolytes. <i>Chemical Communications</i> , 2014 , 50, 11343-6	5.8	80
240	Study of redox mechanism of poly(o-aminophenol) using in situ techniques: evidence of two redox processes. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 576, 139-145	4.1	80
239	Voltammetric and in-situ FTIR spectroscopic study of the oxidation of methanol on Pt(hkl) in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , 1995 , 391, 149-157	4.1	80
238	Direct synthesis of graphitic carbon nanostructures from saccharides and their use as electrocatalytic supports. <i>Carbon</i> , 2008 , 46, 931-939	10.4	75
237	Effect of surface chemistry on electrochemical storage of hydrogen in porous carbon materials. <i>Carbon</i> , 2008 , 46, 1053-1059	10.4	75
236	PANI-derived polymer/Al ₂ O ₃ nanocomposites: synthesis, characterization, and electrochemical studies. <i>Colloid and Polymer Science</i> , 2016 , 294, 1877-1885	2.4	74
235	Highly dispersed platinum nanoparticles on carbon nanocoils and their electrocatalytic performance for fuel cell reactions. <i>Electrochimica Acta</i> , 2009 , 54, 2234-2238	6.7	72
234	Electrochemical characterization of SnO ₂ electrodes doped with Ru and Pt. <i>Electrochimica Acta</i> , 2009 , 54, 5230-5238	6.7	72
233	A novel conducting nanocomposite obtained by p-anisidine and aniline with titanium(IV) oxide nanoparticles: Synthesis, Characterization, and Electrochemical properties. <i>Polymer Composites</i> , 2017 , 38, E254-E260	3	71
232	Hybrid sol-gel conducting polymer synthesised by electrochemical insertion: tailoring the capacitance of polyaniline. <i>Journal of Materials Chemistry</i> , 2009 , 19, 305-310		70
231	Characterization and stability of doped SnO ₂ anodes. <i>Journal of Applied Electrochemistry</i> , 1998 , 28, 607-612		67
230	Comparison among Chemical, Thermal, and Electrochemical Regeneration of Phenol-Saturated Activated Carbon. <i>Energy & Fuels</i> , 2010 , 24, 3366-3372	4.1	66

229	Pt/carbon nanofibers electrocatalysts for fuel cells: Effect of the support oxidizing treatment. <i>Journal of Power Sources</i> , 2007 , 171, 302-309	8.9	63
228	Ultraporous nitrogen-doped zeolite-templated carbon for high power density aqueous-based supercapacitors. <i>Carbon</i> , 2018 , 129, 510-519	10.4	62
227	Preparation and Characterization of Antimony-Doped Tin Dioxide Electrodes. Part 2. XRD and EXAFS Characterization. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 5044-5050	3.4	62
226	Electrochemical Regeneration of Activated Carbon Saturated with Toluene. <i>Journal of Applied Electrochemistry</i> , 2005 , 35, 319-325	2.6	59
225	Evaluation of the Electrocatalytic Activity of Antimony-Doped Tin Dioxide Anodes toward the Oxidation of Phenol in Aqueous Solutions. <i>Journal of the Electrochemical Society</i> , 2005 , 152, B421	3.9	59
224	Flexible ruthenium oxide-activated carbon cloth composites prepared by simple electrodeposition methods. <i>Energy</i> , 2013 , 58, 519-526	7.9	58
223	Enhanced electro-oxidation resistance of carbon electrodes induced by phosphorus surface groups. <i>Carbon</i> , 2015 , 95, 681-689	10.4	57
222	Solid-phase synthesis of graphitic carbon nanostructures from iron and cobalt gluconates and their utilization as electrocatalyst supports. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1433-42	3.6	57
221	Improvement of carbon materials performance by nitrogen functional groups in electrochemical capacitors in organic electrolyte at severe conditions. <i>Carbon</i> , 2015 , 82, 205-213	10.4	54
220	Preparation of polypyrrole (PPy)-derived polymer/ZrO ₂ nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 2089-2100	4.1	54
219	Pt- and Ru-doped SnO ₂ /Sb anodes with high stability in alkaline medium. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22778-89	9.5	54
218	Electrocatalytic degradation of phenol on Pt- and Ru-doped Ti/SnO ₂ -Sb anodes in an alkaline medium. <i>Applied Catalysis B: Environmental</i> , 2016 , 199, 394-404	21.8	54
217	Effect of carbonization conditions of polyaniline on its catalytic activity towards ORR. Some insights about the nature of the active sites. <i>Carbon</i> , 2017 , 119, 62-71	10.4	53
216	Electrochemical generation of oxygen-containing groups in an ordered microporous zeolite-templated carbon. <i>Carbon</i> , 2013 , 54, 94-104	10.4	53
215	Polyaniline/porous carbon electrodes by chemical polymerisation: Effect of carbon surface chemistry. <i>Electrochimica Acta</i> , 2007 , 52, 4962-4968	6.7	53
214	Portable electrochemical sensor based on 4-aminobenzoic acid-functionalized herringbone carbon nanotubes for the determination of ascorbic acid and uric acid in human fluids. <i>Biosensors and Bioelectronics</i> , 2018 , 109, 123-131	11.8	52
213	Characterization and electrochemical properties of conducting nanocomposites synthesized from p-anisidine and aniline with titanium carbide by chemical oxidative method. <i>Synthetic Metals</i> , 2015 , 202, 25-32	3.6	52
212	Asymmetric capacitors using lignin-based hierarchical porous carbons. <i>Journal of Power Sources</i> , 2016 , 326, 641-651	8.9	51

211	Lignin-derived Pt supported carbon (submicron) fiber electrocatalysts for alcohol electro-oxidation. <i>Applied Catalysis B: Environmental</i> , 2017 , 211, 18-30	21.8	49
210	Algerian natural montmorillonites for arsenic(III) removal in aqueous solution. <i>International Journal of Environmental Science and Technology</i> , 2015 , 12, 595-602	3.3	47
209	Electrochemical oxidation of synthetic tannery wastewater in chloride-free aqueous media. <i>Journal of Hazardous Materials</i> , 2010 , 180, 429-35	12.8	47
208	Electrochemical Methods to Enhance the Capacitance in Activated Carbon/Polyaniline Composites. <i>Journal of the Electrochemical Society</i> , 2008 , 155, A672	3.9	47
207	Key factors improving oxygen reduction reaction activity in cobalt nanoparticles modified carbon nanotubes. <i>Applied Catalysis B: Environmental</i> , 2017 , 217, 303-312	21.8	46
206	Removal of 8-quinolinecarboxylic acid pesticide from aqueous solution by adsorption on activated montmorillonites. <i>Environmental Monitoring and Assessment</i> , 2013 , 185, 10365-75	3.1	45
205	Formation and evolution of chemical gradients and potential differences across self-assembling inorganic membranes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4317-21	16.4	44
204	Electrochemical behaviour of benzene on platinum electrodes. <i>Electrochimica Acta</i> , 2000 , 45, 4271-4277	6.7	44
203	Voltammetric and spectroscopic characterization of cyanide adlayers on Pt(h,k,l) in an acidic medium. <i>Surface Science</i> , 1998 , 396, 400-410	1.8	43
202	Synthesis and in situ FTIRS characterization of conducting polymers obtained from aminobenzoic acid isomers at platinum electrodes. <i>European Polymer Journal</i> , 2005 , 41, 843-852	5.2	43
201	Electrochemical performance of carbon gels with variable surface chemistry and physics. <i>Carbon</i> , 2012 , 50, 3324-3332	10.4	42
200	Electrochemical behaviour of amino acids on Pt(h,k,l): a voltammetric and in situ FTIR study. Part 1. Glycine on Pt(111). <i>Journal of Electroanalytical Chemistry</i> , 1997 , 421, 179-185	4.1	42
199	Towards understanding the active sites for the ORR in N-doped carbon materials through fine-tuning of nitrogen functionalities: an experimental and computational approach. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 24239-24250	13	41
198	Friendly Conditions Synthesis of Platinum Nanoparticles Supported on a Conducting Polymer: Methanol Electrooxidation. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12454-12460	3.8	40
197	Voltammetric and in situ FTIRS study of the electrochemical oxidation of aniline from aqueous solutions buffered at pH 5. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 501, 186-192	4.1	40
196	Strategies to Enhance the Performance of Electrochemical Capacitors Based on Carbon Materials. <i>Frontiers in Materials</i> , 2019 , 6,	4	39
195	Electrochemical behaviour of aqueous SO ₂ at polycrystalline gold electrodes in acidic media. A voltammetric and in-situ vibrational study. Part II. Oxidation of SO ₂ on bare and sulphur-modified electrodes. <i>Electrochimica Acta</i> , 2001 , 46, 651-659	6.7	38
194	Oxygen-reduction catalysis of N-doped carbons prepared via heat treatment of polyaniline at over 1100 °C. <i>Chemical Communications</i> , 2018 , 54, 4441-4444	5.8	37

193	Design of Activated Carbon/Activated Carbon Asymmetric Capacitors. <i>Frontiers in Materials</i> , 2016 , 3,	4	37
192	Activation of electrospun lignin-based carbon fibers and their performance as self-standing supercapacitor electrodes. <i>Separation and Purification Technology</i> , 2020 , 241, 116724	8.3	36
191	Activated Carbons Prepared through H ₂ PO ₄ -Assisted Hydrothermal Carbonisation from Biomass Wastes: Porous Texture and Electrochemical Performance. <i>ChemPlusChem</i> , 2016 , 81, 1349-1359	2.8	36
190	Silica-templated ordered mesoporous carbon thin films as electrodes for micro-capacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4570-4579	13	36
189	A comparison between oxidation of activated carbon by electrochemical and chemical treatments. <i>Carbon</i> , 2012 , 50, 1123-1134	10.4	36
188	New insights on electrochemical hydrogen storage in nanoporous carbons by in situ Raman spectroscopy. <i>Carbon</i> , 2014 , 69, 401-408	10.4	35
187	Measuring cycle efficiency and capacitance of chemically activated carbons in propylene carbonate. <i>Carbon</i> , 2010 , 48, 1451-1456	10.4	35
186	Electrochemical behaviour of basal single crystal Pt electrodes in alkaline medium. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990 , 288, 217-228		34
185	Nitrogen doped superporous carbon prepared by a mild method. Enhancement of supercapacitor performance. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 19691-19701	6.7	34
184	Modeling of oxygen reduction reaction in porous carbon materials in alkaline medium. Effect of microporosity. <i>Journal of Power Sources</i> , 2019 , 412, 451-464	8.9	34
183	Electrochemical behaviour of activated carbons obtained via hydrothermal carbonization. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15558-15567	13	33
182	Generation of nitrogen functionalities on activated carbons by amidation reactions and Hofmann rearrangement: Chemical and electrochemical characterization. <i>Carbon</i> , 2015 , 91, 252-265	10.4	33
181	Study of the chemical copolymerization of 2-aminoterephthalic acid and aniline.. <i>European Polymer Journal</i> , 2006 , 42, 1521-1532	5.2	32
180	Nitrogen-Doped Superporous Activated Carbons as Electrocatalysts for the Oxygen Reduction Reaction. <i>Materials</i> , 2019 , 12,	3.5	31
179	Pseudocapitance of zeolite-templated carbon in organic electrolytes. <i>Energy Storage Materials</i> , 2015 , 1, 35-41	19.4	31
178	Evaluation of herringbone carbon nanotubes-modified electrodes for the simultaneous determination of ascorbic acid and uric acid. <i>Electrochimica Acta</i> , 2018 , 285, 284-291	6.7	31
177	All electrochemical synthesis of polyaniline/silica sol-gel materials. <i>Electrochimica Acta</i> , 2011 , 56, 3620-3625	6.5	31
176	Cyanide and Phenol Oxidation on Nanostructured Co ₃ O ₄ Electrodes Prepared by Different Methods. <i>Journal of the Electrochemical Society</i> , 2008 , 155, K110	3.9	31

175	Electrochemical behaviour of conducting polymers obtained into clay-catalyst layers. An in situ Raman spectroscopy study. <i>European Polymer Journal</i> , 2006 , 42, 733-739	5.2	31
174	Electrochemical study of benzene on Pt of various surface structures in alkaline and acidic solutions. <i>Electrochimica Acta</i> , 2002 , 47, 4399-4406	6.7	31
173	Au-IDA microelectrodes modified with Au-doped graphene oxide for the simultaneous determination of uric acid and ascorbic acid in urine samples. <i>Electrochimica Acta</i> , 2017 , 227, 275-284	6.7	30
172	Functionalization of carbon nanotubes using aminobenzene acids and electrochemical methods. Electroactivity for the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 11242-11253	6.7	30
171	New insights into the electrochemical behaviour of porous carbon electrodes for supercapacitors. <i>Journal of Energy Storage</i> , 2018 , 19, 337-347	7.8	30
170	Lead ion adsorption from aqueous solutions in modified Algerian montmorillonites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 110, 1069-1077	4.1	30
169	Kinetics of Double-Layer Formation: Influence of Porous Structure and Pore Size Distribution. <i>Energy & Fuels</i> , 2010 , 24, 3378-3384	4.1	30
168	Electrochemical behaviour of amino acids on Pt(h, k, l). A voltammetric and in situ FTIR study. Part II. Serine and alanine on Pt(111). <i>Journal of Electroanalytical Chemistry</i> , 1997 , 431, 269-275	4.1	30
167	Irreversible adsorption of methanol on Pt(110) in carbonate solution. <i>Electrochimica Acta</i> , 1992 , 37, 1883-1886	3.7	30
166	New poly(o-phenylenediamine)/modified-clay nanocomposites: A study on spectral, thermal, morphological and electrochemical characteristics. <i>Journal of Molecular Structure</i> , 2019 , 1178, 327-332	3.4	30
165	Synthesis, Characterization and Conducting Properties of Nanocomposites of Intercalated 2-Aminophenol with Aniline in Sodium-Montmorillonite. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014 , 24, 267-274	3.2	29
164	Electrochemical behaviour of amino acids on Pt(hkl). A voltammetric and in situ FTIR study. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 475, 38-45	4.1	29
163	Insight into the origin of carbon corrosion in positive electrodes of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7480-7488	13	29
162	Voltammetric and in situ FTIRS study on CN^{\ominus} and $Au(CN)_2^{\ominus}$ complexes at the polycrystalline gold surface in citrate medium. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 569, 53-60	4.1	28
161	Tailoring the surface chemistry of activated carbon cloth by electrochemical methods. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 11682-91	9.5	27
160	Tuning the electroactivity of conductive polymer at physiological pH. <i>Electrochimica Acta</i> , 2007 , 52, 2978-2986	2.9	27
159	Electrochemical behaviour of aqueous SO_2 at polycrystalline gold electrodes in acidic media: a voltammetric and in situ vibrational study. <i>Electrochimica Acta</i> , 2000 , 45, 1847-1862	6.7	27
158	Effects of the surface chemistry and structure of carbon nanotubes on the coating of glucose oxidase and electrochemical biosensors performance. <i>RSC Advances</i> , 2017 , 7, 26867-26878	3.7	27

157	Electrochemical performance of a superporous activated carbon in ionic liquid-based electrolytes. <i>Journal of Power Sources</i> , 2016 , 336, 419-426	8.9	26
156	Spectroelectrochemical study on CN _x adsorbed at Pt(111) in sulphuric and perchloric media. <i>Electrochimica Acta</i> , 1998 , 44, 943-948	6.7	26
155	Charge transport in luminescent polymers studied by in situ fluorescence spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 5914-9	3.4	26
154	Formation of CO during adsorption on platinum electrodes of methanol, formaldehyde, ethanol and acetaldehyde in carbonate medium. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 368, 285-291	4.1	26
153	Potential modulated reflectance spectroscopy of Pt(111) in acidic and alkaline media: cyanide adsorption. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 463, 109-115	4.1	24
152	Electrochemical oxidation of ethanol on Pt(hkl) basal surfaces in NaOH and Na ₂ CO ₃ media. <i>Journal of Power Sources</i> , 1994 , 52, 109-117	8.9	24
151	Carbon Nanotubes Modified With Au for Electrochemical Detection of Prostate Specific Antigen: Effect of Au Nanoparticle Size Distribution. <i>Frontiers in Chemistry</i> , 2019 , 7, 147	5	23
150	Characterization of activated carbon fiber/polyaniline materials by position-resolved microbeam small-angle X-ray scattering. <i>Carbon</i> , 2012 , 50, 1051-1056	10.4	23
149	On the polymerization of 2-aminodiphenylamine: An electrochemical and spectroscopic study. <i>Synthetic Metals</i> , 2006 , 156, 51-57	3.6	23
148	Preparation of thin silicalite-1 layers on carbon materials by electrochemical methods. <i>Microporous and Mesoporous Materials</i> , 2003 , 66, 331-340	5.3	23
147	Electrochemical behaviour of Pt(111) in alkaline media. Effect of specific adsorption of anions. <i>Journal of Electroanalytical Chemistry</i> , 1992 , 334, 323-338	4.1	23
146	Tailoring the properties of polyanilines/SiC nanocomposites by engineering monomer and chain substituents. <i>Journal of Molecular Structure</i> , 2019 , 1188, 121-128	3.4	22
145	Oxidation of methylamine and ethylamine on Pt single crystal electrodes in acid medium. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 469, 159-169	4.1	21
144	Characterization of a zeolite-templated carbon by electrochemical quartz crystal microbalance and in situ Raman spectroscopy. <i>Carbon</i> , 2015 , 89, 63-73	10.4	20
143	Electrochemical behaviour of amino acids on Pt(hkl). A voltammetric and in situ FTIR study.. <i>Journal of Electroanalytical Chemistry</i> , 1998 , 445, 155-164	4.1	20
142	Voltammetric and in situ FT-IRS study of the electropolymerization of o-aminobenzoic acid at gold and graphite carbon electrodes: Influence of pH on the electrochemical behaviour of polymer films. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 624, 245-250	4.1	20
141	Efficient Pt electrocatalysts supported onto flavin mononucleotide-exfoliated pristine graphene for the methanol oxidation reaction. <i>Electrochimica Acta</i> , 2017 , 231, 386-395	6.7	19
140	Single-walled carbon nanotube buckypapers as electrocatalyst supports for methanol oxidation. <i>Journal of Power Sources</i> , 2013 , 242, 7-14	8.9	19

139	The oxidation of ascorbate at copolymeric sulfonated poly(aniline) coated on glassy carbon electrodes. <i>Bioelectrochemistry</i> , 2011 , 80, 105-13	5.6	19
138	A selective naked-eye chemosensor derived from 2-methoxybenzylamine and 2,3-dihydroxybenzaldehyde - synthesis, spectral characterization and electrochemistry of its bis-bidentates Schiff bases metal complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 184, 299-307	4.4	18
137	Relevance of the Interaction between the M-Phthalocyanines and Carbon Nanotubes in the Electroactivity toward ORR. <i>Langmuir</i> , 2017 , 33, 11945-11955	4	18
136	Carbon/carbon asymmetric aqueous capacitor by pseudocapacitive positive and stable negative electrodes. <i>Carbon</i> , 2014 , 67, 792-794	10.4	18
135	Synthesis of conducting polymer/carbon material composites and their application in electrical energy storage 2017 , 173-209		18
134	Conducting films obtained by electro-oxidation of p-aminodiphenylamine (ADPA) in the presence of aniline in buffer aqueous solution at pH 5. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 529, 59-65	4.1	18
133	Enhanced removal of 8-quinolinecarboxylic acid in an activated carbon cloth by electroadsorption in aqueous solution. <i>Chemosphere</i> , 2016 , 144, 982-8	8.4	17
132	Effect of Nitrogen-Functional Groups on the ORR Activity of Activated Carbon Fiber-Polypyrrole-Based Electrodes. <i>Electrocatalysis</i> , 2018 , 9, 697-705	2.7	17
131	Binderless thin films of zeolite-templated carbon electrodes useful for electrochemical microcapacitors with ultrahigh rate performance. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 10331-4	3.6	17
130	Homolytic cleavage C-H bond in the electrooxidation of ethanol and bioethanol. <i>Journal of Power Sources</i> , 2011 , 196, 4193-4199	8.9	17
129	Effect of the intercalated cation on the properties of poly(o-methylaniline)/maghnite clay nanocomposites. <i>European Polymer Journal</i> , 2008 , 44, 1275-1284	5.2	17
128	Carbon/ceramic composites from coal tar pitch and clays: application as electrocatalyst support. <i>Carbon</i> , 2002 , 40, 2193-2200	10.4	17
127	Understanding of oxygen reduction reaction by examining carbon-oxygen gasification reaction and carbon active sites on metal and heteroatoms free carbon materials of different porosities and structures. <i>Carbon</i> , 2019 , 148, 430-440	10.4	16
126	Successful functionalization of superporous zeolite templated carbon using aminobenzene acids and electrochemical methods. <i>Carbon</i> , 2016 , 99, 157-166	10.4	16
125	Electrooxidation Methods to Produce Pseudocapacitance-containing Porous Carbons. <i>Electrochemistry</i> , 2013 , 81, 833-839	1.2	16
124	Arsenic species interactions with a porous carbon electrode as determined with an electrochemical quartz crystal microbalance. <i>Electrochimica Acta</i> , 2009 , 54, 3996-4004	6.7	16
123	Preparation of conductive carbon-ceramic composites from coal tar pitch and ceramic monoliths. <i>Carbon</i> , 1998 , 36, 1003-1009	10.4	16
122	Structural effects of adsorbed CN adlayers on the co-adsorption of OH ⁻ at the Pt(111) surface in sulfuric acid medium. <i>Surface Science</i> , 1999 , 431, L577-L581	1.8	16

121	Post-synthetic efficient functionalization of polyaniline with phosphorus-containing groups. Effect of phosphorus on electrochemical properties. <i>European Polymer Journal</i> , 2019 , 119, 272-280	5.2	15
120	Effect of the intercalated cation-exchanged on the properties of nanocomposites prepared by 2-aminobenzene sulfonic acid with aniline and montmorillonite. <i>Journal of Alloys and Compounds</i> , 2013 , 551, 212-218	5.7	15
119	Voltammetric analysis of the co-adsorption of cyanide and carbon monoxide on a Pt(1 1 1) surface. <i>Electrochemistry Communications</i> , 2002 , 4, 251-254	5.1	15
118	Preparation of silicalite-1 layers on Pt-coated carbon materials: a possible electrochemical approach towards membrane reactors. <i>Microporous and Mesoporous Materials</i> , 2005 , 78, 159-167	5.3	15
117	Catalytic Oxidation of Sulfur Dioxide by Activated Carbon: A Physical Chemistry Experiment. <i>Journal of Chemical Education</i> , 1999 , 76, 958	2.4	15
116	Electrochemical functionalization of single wall carbon nanotubes with phosphorus and nitrogen species. <i>Electrochimica Acta</i> , 2020 , 340, 135935	6.7	14
115	Enhancement of the Electrochemical Performance of SWCNT dispersed in a Silica Sol-gel Matrix by Reactive Insertion of a Conducting Polymer. <i>Electrochimica Acta</i> , 2014 , 135, 114-120	6.7	14
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