Emilia Morallon

List of Publications by Year
in descending order

268 papers	10,543 citations	25034 57 h-index	51608 86 g-index
274 all docs	274 docs citations	274 times ranked	11074 citing authors

#	Article	IF	Citations
1	Controlled synthesis of mono- and bimetallic Pt-based catalysts for electrochemical ethanol oxidation. Materials Chemistry and Physics, 2022, 275, 125282.	4.0	3
2	Electrocatalytic activity of calcined manganese ferrite solid nanospheres in the oxygen reduction reaction. Environmental Research, 2022, 204, 112126.	7.5	2
3	Hydrogels obtained from aniline and piperazine: Synthesis, characterization and their application in hybrid supercapacitors. Journal of Molecular Structure, 2022, 1248, 131445.	3.6	15
4	On the deactivation of N-doped carbon materials active sites during oxygen reduction reaction. Carbon, 2022, 189, 548-560.	10.3	23
5	Electrochemical functionalization of carbon nanomaterials and their application in immobilization of enzymes. , 2022, , 67-103.		0
6	Manganese oxides/LaMnO3 perovskite materials and their application in the oxygen reduction reaction. Energy, 2022, 247, 123456.	8.8	27
7	On the mechanism of electrochemical functionalization of carbon nanotubes with different structures with aminophenylphosphonic acid isomers: an experimental and computational approach. Journal of Materials Chemistry A, 2022, 10, 7271-7290.	10.3	4
8	Efficient production of hydrogen from a valuable CO2-derived molecule: Formic acid dehydrogenation boosted by biomass waste-derived catalysts. Fuel, 2022, 320, 123900.	6.4	7
9	Efficient and cost-effective ORR electrocatalysts based on low content transition metals highly dispersed on C3N4/super-activated carbon composites. Carbon, 2022, 196, 378-390.	10.3	19
10	Easy enrichment of graphitic nitrogen to prepare highly catalytic carbons for oxygen reduction reaction. Carbon, 2022, , .	10.3	7
11	Electrocatalysis with metal-free carbon-based catalysts. , 2022, , 213-244.		1
12	Electrochemical functionalization at anodic conditions of multi-walled carbon nanotubes with chlorodiphenylphosphine. Journal of Colloid and Interface Science, 2022, 623, 915-926.	9.4	2
13	P-functionalized carbon nanotubes promote highly stable electrocatalysts based on Fe-phthalocyanines for oxygen reduction: Experimental and computational studies. Journal of Energy Chemistry, 2022, 72, 276-290.	12.9	11
14	Transition metal oxides with perovskite and spinel structures for electrochemical energy production applications. Environmental Research, 2022, 214, 113731.	7.5	21
15	Electrochemistry and study of indirect electrocatalytic properties of a novel organometallic Schiff base nickel(II) complex. Journal of Organometallic Chemistry, 2022, 976, 122441.	1.8	6
16	Metal free electrochemical glucose biosensor based on N-doped porous carbon material. Electrochimica Acta, 2021, 367, 137434.	5.2	25
17	Electrochemical regeneration of spent activated carbon from drinking water treatment plant at different scale reactors. Chemosphere, 2021, 264, 128399.	8.2	23
18	Electrochemical performance of Nâ€doped superporous activated carbons in ionic liquidâ€based electrolytes. Electrochimica Acta, 2021, 368, 137590.	5.2	5

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19	Biomass waste conversion into low-cost carbon-based materials for supercapacitors: A sustainable approach for the energy scenario. Journal of Electroanalytical Chemistry, 2021, 880, 114899.	3.8	39
20	Electroadsorption of Bromide from Natural Water in Granular Activated Carbon. Water (Switzerland), 2021, 13, 598.	2.7	1
21	Preparation of Pt/CNT Thin-Film Electrodes by Electrochemical Potential Pulse Deposition for Methanol Oxidation. Journal of Carbon Research, 2021, 7, 32.	2.7	6
22	Copper ferrite nanospheres composites mixed with carbon black to boost the oxygen reduction reaction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 613, 126060.	4.7	9
23	Feasibility of electrochemical regeneration of activated carbon used in drinking water treatment plant. Reactor configuration design at a pilot scale. Chemical Engineering Research and Design, 2021, 148, 846-857.	5.6	12
24	Synthesis, characterization and DFT investigation of new metal complexes of Ni(II), Mn(II) and VO(IV) containing N,O-donor Schiff base ligand. Journal of Molecular Structure, 2021, 1231, 129923.	3.6	25
25	Single atomic Co coordinated with N in microporous carbon for oxygen reduction reaction obtained from Co/2-methylimidazole anchored to Y zeolite as a template. Materials Today Chemistry, 2021, 20, 100410.	3.5	2
26	Multiâ€wall carbon nanotubes electrochemically modified with phosphorus and nitrogen functionalities as a basis for bioelectrodes with improved performance. Electrochimica Acta, 2021, 387, 138530.	5.2	7
27	Electrochemical synthesis of composite materials based on titanium carbide and titanium dioxide with poly(N-phenyl-o-phenylenediamine) for selective detection of uric acid. Journal of Electroanalytical Chemistry, 2021, 895, 115481.	3.8	17
28	Revisiting the Redox Transitions of Polyaniline. Semiquantitative Interpretation of Electrochemically Induced IR Bands. Journal of Electroanalytical Chemistry, 2021, 897, 115593.	3.8	15
29	Pyrroloquinoline quinone-dependent glucose dehydrogenase bioelectrodes based on one-step electrochemical entrapment over single-wall carbon nanotubes. Talanta, 2021, 232, 122386.	5.5	8
30	H2 Production from Formic Acid Using Highly Stable Carbon-Supported Pd-Based Catalysts Derived from Soft-Biomass Residues: Effect of Heat Treatment and Functionalization of the Carbon Support. Materials, 2021, 14, 6506.	2.9	2
31	Nitrogen Doped Superactivated Carbons Prepared at Mild Conditions as Electrodes for Supercapacitors in Organic Electrolyte. Journal of Carbon Research, 2020, 6, 56.	2.7	3
32	Improving the power performance of urine-fed microbial fuel cells using PEDOT-PSS modified anodes. Applied Energy, 2020, 278, 115528.	10.1	24
33	The generation of hydroxyl radicals and electro-oxidation of diclofenac on Pt-doped SnO2â€“Sb electrodes. Electrochimica Acta, 2020, 354, 136686.	5.2	24
34	On the Origin of the Effect of pH in Oxygen Reduction Reaction for Nondoped and Edge-Type Quaternary N-Doped Metal-Free Carbon-Based Catalysts. ACS Applied Materials & Interfaces, 2020, 12, 54815-54823.	8.0	21
35	Tailoring Intrinsic Properties of Polyaniline by Functionalization with Phosphonic Groups. Polymers, 2020, 12, 2820.	4.5	15
36	Polyaniline-Derived N-Doped Ordered Mesoporous Carbon Thin Films: Efficient Catalysts towards Oxygen Reduction Reaction. Polymers, 2020, 12, 2382.	4.5	17

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37	Highly Stable N-Doped Carbon-Supported Pd-Based Catalysts Prepared from Biomass Waste for H₂ Production from Formic Acid. ACS Sustainable Chemistry and Engineering, 2020, 8, 15030-15043.	6.7	34
38	Maghniteâ€H + Catalytic Synthesis and Characterization of Polyindenes and Oxidized Derivatives. ChemistrySelect, 2020, 5, 10692-10703.	1.5	0
39	Carbon Material and Cobalt-Substitution Effects in the Electrochemical Behavior of LaMnO3 for ORR and OER. Nanomaterials, 2020, 10, 2394.	4.1	18
40	MWCNT-Supported PVP-Capped Pd Nanoparticles as Efficient Catalysts for the Dehydrogenation of Formic Acid. Frontiers in Chemistry, 2020, 8, 359.	3.6	8
41	Effect of surface oxygen groups in the electrochemical modification of multi-walled carbon nanotubes by 4-amino phenyl phosphonic acid. Carbon, 2020, 165, 328-339.	10.3	15
42	Preparation and Characterization of Montmorillonite/PEDOT-PSS and Diatomite/PEDOT-PSS Hybrid Materials. Study of Electrochemical Properties in Acid Medium. Journal of Composites Science, 2020, 4, 51.	3.0	7
43	Synthesis of Phosphorus-Containing Polyanilines by Electrochemical Copolymerization. Polymers, 2020, 12, 1029.	4.5	9
44	Electrochemical synthesis of fluorinated polyanilines. Electrochimica Acta, 2020, 348, 136329.	5.2	7
45	Reactive Insertion of PEDOT-PSS in SWCNT@Silica Composites and its Electrochemical Performance. Materials, 2020, 13, 1200.	2.9	10
46	Electrochemical functionalization of single wall carbon nanotubes with phosphorus and nitrogen species. Electrochimica Acta, 2020, 340, 135935.	5.2	17
47	Activation of electrospun lignin-based carbon fibers and their performance as self-standing supercapacitor electrodes. Separation and Purification Technology, 2020, 241, 116724.	7.9	67
48	Rational Design of Single Atomic Co in CoN x Moieties on Graphene Matrix as an Ultraâ€Highly Efficient Active Site for Oxygen Reduction Reaction. ChemNanoMat, 2020, 6, 218-222.	2.8	3
49	Metal-free heteroatom-doped carbon-based catalysts for ORR: A critical assessment about the role of heteroatoms. Carbon, 2020, 165, 434-454.	10.3	231
50	Effect of carbon surface on degradation of supercapacitors in a negative potential range. Journal of Power Sources, 2020, 457, 228042.	7.8	26
51	Nitrogen-Doped Seamless Activated Carbon Electrode with Excellent Durability for Electric Double Layer Capacitor. Journal of the Electrochemical Society, 2020, 167, 060523.	2.9	17
52	Synthesis and characterization of a novel non-symmetrical bidentate Schiff base ligand and its Ni(II) complex: electrochemical and antioxidant studies. Chemical Papers, 2020, 74, 3825-3837.	2.2	10
53	Preparation of polypyrrole (PPy)-derived polymer/ZrO2 nanocomposites. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2089-2100.	3.6	70
54	Post-synthetic efficient functionalization of polyaniline with phosphorus-containing groups. Effect of phosphorus on electrochemical properties. European Polymer Journal, 2019, 119, 272-280.	5.4	21

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55	Are the Accompanying Cations of Doping Anions Influential in Conducting Organic Polymers? The Case of the Popular PEDOT. Chemistry - A European Journal, 2019, 25, 14308-14319.	3.3	6
56	Structural and morphological alterations induced by cobalt substitution in LaMnO3 perovskites. Journal of Colloid and Interface Science, 2019, 556, 658-666.	9.4	33
57	Anchoring a Co/2-methylimidazole complex on ion-exchange resin and its transformation to Co/N-doped carbon as an electrocatalyst for the ORR. Catalysis Science and Technology, 2019, 9, 578-582.	4.1	12
58	Strategies to Enhance the Performance of Electrochemical Capacitors Based on Carbon Materials. Frontiers in Materials, 2019, 6, .	2.4	58
59	Oxidation of Different Microporous Carbons by Chemical and Electrochemical Methods. Frontiers in Materials, 2019, 6, .	2.4	9
60	Nitrogen-Doped Superporous Activated Carbons as Electrocatalysts for the Oxygen Reduction Reaction. Materials, 2019, 12, 1346.	2.9	42
61	Copper-Doped Cobalt Spinel Electrocatalysts Supported on Activated Carbon for Hydrogen Evolution Reaction. Materials, 2019, 12, 1302.	2.9	22
62	Synthesis and Catalytic Properties of Modified Electrodes by Pulsed Electrodeposition of Pt/PANI Nanocomposite. Materials, 2019, 12, 723.	2.9	17
63	Affinity of Electrochemically Deposited Solâ€“Gel Silica Films towards Catecholamine Neurotransmitters. Sensors, 2019, 19, 868.	3.8	2
64	Understanding of oxygen reduction reaction by examining carbon-oxygen gasification reaction and carbon active sites onÂmetalÂand heteroatoms free carbon materials of different porositiesÂand structures. Carbon, 2019, 148, 430-440.	10.3	28
65	Tailoring the properties of polyanilines/SiC nanocomposites by engineering monomer and chain substituents. Journal of Molecular Structure, 2019, 1188, 121-128.	3.6	24
66	Carbon Nanotubes Modified With Au for Electrochemical Detection of Prostate Specific Antigen: Effect of Au Nanoparticle Size Distribution. Frontiers in Chemistry, 2019, 7, 147.	3.6	31
67	Insight into the origin of carbon corrosion in positive electrodes of supercapacitors. Journal of Materials Chemistry A, 2019, 7, 7480-7488.	10.3	62
68	Towards understanding the active sites for the ORR in N-doped carbon materials through fine-tuning of nitrogen functionalities: an experimental and computational approach. Journal of Materials Chemistry A, 2019, 7, 24239-24250.	10.3	87
69	The Nature of the Electroâ€Oxidative Catalytic Response of Mixed Metal Oxides: Ptâ€and Ruâ€Doped SnO₂ Anodes. ChemElectroChem, 2019, 6, 1057-1068.	3.4	16
70	Catalytic degradation of Oâ€cresol using H₂O₂ onto Algerian Clayâ€Na. Water Environment Research, 2019, 91, 165-174.	2.7	6
71	Fabrication of Co/P25 coated with thin nitrogen-doped carbon shells (Co/P25/NC) as an efficient electrocatalyst for oxygen reduction reaction (ORR). Electrochimica Acta, 2019, 296, 867-873.	5.2	10
72	New poly(o-phenylenediamine)/modified-clay nanocomposites: A study on spectral, thermal, morphological and electrochemical characteristics. Journal of Molecular Structure, 2019, 1178, 327-332.	3.6	36

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73	Modeling of oxygen reduction reaction in porous carbon materials in alkaline medium. Effect of microporosity. Journal of Power Sources, 2019, 412, 451-464.	7.8	56
74	Electro-oxidation of cyanide on active and non-active anodes: Designing the electrocatalytic response of cobalt spinels. Separation and Purification Technology, 2019, 208, 42-50.	7.9	17
75	Portable electrochemical sensor based on 4-aminobenzoic acid-functionalized herringbone carbon nanotubes for the determination of ascorbic acid and uric acid in human fluids. Biosensors and Bioelectronics, 2018, 109, 123-131.	10.1	71
76	Oxygen-reduction catalysis of N-doped carbons prepared via heat treatment of polyaniline at over 1100 Â°C. Chemical Communications, 2018, 54, 4441-4444.	4.1	50
77	Ultraporous nitrogen-doped zeolite-templated carbon for high power density aqueous-based supercapacitors. Carbon, 2018, 129, 510-519.	10.3	79
78	Tailored metallacarboranes as mediators for boosting the stability of carbon-based aqueous supercapacitors. Sustainable Energy and Fuels, 2018, 2, 345-352.	4.9	13
79	Evaluation of herringbone carbon nanotubes-modified electrodes for the simultaneous determination of ascorbic acid and uric acid. Electrochimica Acta, 2018, 285, 284-291.	5.2	41
80	An Electrochemical Study on the Copolymer Formed from Piperazine and Aniline Monomers. Materials, 2018, 11, 1012.	2.9	10
81	Effect of Nitrogen-Functional Groups on the ORR Activity of Activated Carbon Fiber-Polypyrrole-Based Electrodes. Electrocatalysis, 2018, 9, 697-705.	3.0	27
82	A self-doped polyaniline derivative obtained by electrochemical copolymerization of aminoterephthalic acid and aniline. Synthetic Metals, 2018, 245, 61-66.	3.9	11
83	New insights into the electrochemical behaviour of porous carbon electrodes for supercapacitors. Journal of Energy Storage, 2018, 19, 337-347.	8.1	42
84	Modulation of the electrocatalytic performance of PEDOT-PSS by reactive insertion into a sol-gel silica matrix. European Polymer Journal, 2018, 105, 323-330.	5.4	10
85	Electrochemical Sensors For Clinical Diagnosis: Advantages Of The Miniaturization And Portability Of Devices. , 2018, , .		0
86	A novel conducting nanocomposite obtained by pâ€anisidine and aniline with titanium(IV) oxide nanoparticles: Synthesis, Characterization, and Electrochemical properties. Polymer Composites, 2017, 38, E254.	4.6	77
87	Au-IDA microelectrodes modified with Au-doped graphene oxide for the simultaneous determination of uric acid and ascorbic acid in urine samples. Electrochimica Acta, 2017, 227, 275-284.	5.2	53
88	A stretchable and screen-printed electrochemical sensor for glucose determination in human perspiration. Biosensors and Bioelectronics, 2017, 91, 885-891.	10.1	274
89	Electrocatalytic oxidation of cyanide on copper-doped cobalt oxide electrodes. Applied Catalysis B: Environmental, 2017, 207, 286-296.	20.2	17
90	Effect of carbonization conditions of polyaniline on its catalytic activity towards ORR. Some insights about the nature of the active sites. Carbon, 2017, 119, 62-71.	10.3	67

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91	Synthesis, spectral characterization and study of thermal behavior kinetics by thermogravimetric analysis of metal complexes derived from salicylaldehyde and alkylamine. Journal of Molecular Structure, 2017, 1142, 48-57.	3.6	11
92	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 184, 299-307.	3.9	21
93	A novel nickel(II) complex obtained from 2-[(3-bromo-propylimino)-methyl]-phenol as a ligand: synthesis, structural characterization, electrochemical and electrocatalytical investigations. Research on Chemical Intermediates, 2017, 43, 3163-3182.	2.7	5
94	Spectroelectrochemical study on the copolymerization of o-aminophenol and aminoterephthalic acid. European Polymer Journal, 2017, 91, 386-395.	5.4	11
95	Key factors improving oxygen reduction reaction activity in cobalt nanoparticles modified carbon nanotubes. Applied Catalysis B: Environmental, 2017, 217, 303-312.	20.2	58
96	Electrodeposition of 4,4â€²-di-tert-butylbiphenyl peroxide from the anodic oxidation of p-tert-butylphenol in an alkaline acetonitrile solution. Journal of Applied Electrochemistry, 2017, 47, 507-516.	2.9	7
97	Lignin-derived Pt supported carbon (submicron)fiber electrocatalysts for alcohol electro-oxidation. Applied Catalysis B: Environmental, 2017, 211, 18-30.	20.2	75
98	Efficient Pt electrocatalysts supported onto flavin mononucleotideâ€“exfoliated pristine graphene for the methanol oxidation reaction. Electrochimica Acta, 2017, 231, 386-395.	5.2	21
99	Enhancement of the direct electron transfer to encapsulated cytochrome c by electrochemical functionalization with a conducting polymer. Journal of Electroanalytical Chemistry, 2017, 793, 34-40.	3.8	14
100	Synthesis, characterization and X-ray crystal structure of novel nickel Schiff base complexes and investigation of their catalytic activity in the electrocatalytic reduction of alkyl and aryl halides. Journal of the Iranian Chemical Society, 2017, 14, 703-715.	2.2	10
101	Relevance of the Interaction between the M-Phthalocyanines and Carbon Nanotubes in the Electroactivity toward ORR. Langmuir, 2017, 33, 11945-11955.	3.5	27
102	A novel ferrocenic copper(II) complex Salen-like, derived from 5-chloromethyl-2-hydroxyacetophenone and N-ferrocenmethylaniline: Design, spectral approach and solvent effect towards electrochemical behavior of Fc+/Fc redox couple. Journal of Organometallic Chemistry, 2017, 848, 344-351.	1.8	19
103	Direct Electron Transfer to Cytochrome c Induced by a Conducting Polymer. Journal of Physical Chemistry C, 2017, 121, 15870-15879.	3.1	18
104	Synthesis of conducting polymer/carbon material composites and their application in electrical energy storage. , 2017, , 173-209.		27
105	Effects of the surface chemistry and structure of carbon nanotubes on the coating of glucose oxidase and electrochemical biosensors performance. RSC Advances, 2017, 7, 26867-26878.	3.6	34
106	Design of Activated Carbon/Activated Carbon Asymmetric Capacitors. Frontiers in Materials, 2016, 3, .	2.4	49
107	Electrocatalytic degradation of phenol on Pt- and Ru-doped Ti/SnO2-Sb anodes in an alkaline medium. Applied Catalysis B: Environmental, 2016, 199, 394-404.	20.2	85
108	Removal of o-Cresol from aqueous solution using Algerian Na-Clay as adsorbent. Desalination and Water Treatment, 2016, 57, 20511-20519.	1.0	7

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109	Nitrogen doped superporous carbon prepared by a mild method. Enhancement of supercapacitor performance. International Journal of Hydrogen Energy, 2016, 41, 19691-19701.	7.1	42
110	Asymmetric capacitors using lignin-based hierarchical porous carbons. Journal of Power Sources, 2016, 326, 641-651.	7.8	64
111	Enzyme mediated synthesis of polypyrrole in the presence of chondroitin sulfate and redox mediators of natural origin. Materials Science and Engineering C, 2016, 63, 650-656.	7.3	14
112	The chemical and electrochemical oxidative polymerization of 2-amino-4-tert-butylphenol. Electrochimica Acta, 2016, 212, 958-965.	5.2	7
113	Activated Carbons Prepared through H₃PO₄â€Assisted Hydrothermal Carbonisation from Biomass Wastes: Porous Texture and Electrochemical Performance. ChemPlusChem, 2016, 81, 1349-1359.	2.8	60
114	PANI-derived polymer/Al2O3 nanocomposites: synthesis, characterization, and electrochemical studies. Colloid and Polymer Science, 2016, 294, 1877-1885.	2.1	93
115	Electrochemical performance of a superporous activated carbon in ionic liquid-based electrolytes. Journal of Power Sources, 2016, 336, 419-426.	7.8	31
116	Flavin mononucleotide-exfoliated graphene flakes as electrodes for the electrochemical determination of uric acid in the presence of ascorbic acid. Journal of Electroanalytical Chemistry, 2016, 783, 41-48.	3.8	16
117	Silica-templated ordered mesoporous carbon thin films as electrodes for micro-capacitors. Journal of Materials Chemistry A, 2016, 4, 4570-4579.	10.3	48
118	Easy fabrication of superporous zeolite templated carbon electrodes by electrospraying on rigid and flexible substrates. Journal of Materials Chemistry A, 2016, 4, 4610-4618.	10.3	14
119	Successful functionalization of superporous zeolite templated carbon using aminobenzene acids and electrochemical methods. Carbon, 2016, 99, 157-166.	10.3	17
120	Enhanced removal of 8-quinolinecarboxylic acid in an activated carbon cloth by electroadsorption in aqueous solution. Chemosphere, 2016, 144, 982-988.	8.2	24
121	Novel nickel(II) and manganese(III) complexes with bidentate Schiff-base ligand: synthesis, spectral, thermogravimetry, electrochemical and electrocatalytical properties. Research on Chemical Intermediates, 2016, 42, 4839-4858.	2.7	22
122	Biomass-derived binderless fibrous carbon electrodes for ultrafast energy storage. Green Chemistry, 2016, 18, 1506-1515.	9.0	102
123	Molecularly imprinted silica films prepared by electroassisted deposition for the selective detection of dopamine. Sensors and Actuators B: Chemical, 2016, 222, 63-70.	7.8	16
124	Characterization and electrochemical properties of conducting nanocomposites synthesized from p-anisidine and aniline with titanium carbide by chemical oxidative method. Synthetic Metals, 2015, 202, 25-32.	3.9	68
125	Electrocatalytic oxidation of ascorbic acid on mesostructured SiO2-conducting polymer composites. European Polymer Journal, 2015, 69, 201-207.	5.4	5
126	Electrochemical behaviour of activated carbons obtained via hydrothermal carbonization. Journal of Materials Chemistry A, 2015, 3, 15558-15567.	10.3	36

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127	Functionalization of carbon nanotubes using aminobenzene acids and electrochemical methods. Electroactivity for the oxygen reduction reaction. International Journal of Hydrogen Energy, 2015, 40, 11242-11253.	7.1	34
128	Generation of nitrogen functionalities on activated carbons by amidation reactions and Hofmann rearrangement: Chemical and electrochemical characterization. Carbon, 2015, 91, 252-265.	10.3	44
129	Characterization of a zeolite-templated carbon by electrochemical quartz crystal microbalance and in situ Raman spectroscopy. Carbon, 2015, 89, 63-73.	10.3	22
130	Enhanced electro-oxidation resistance of carbon electrodes induced by phosphorus surface groups. Carbon, 2015, 95, 681-689.	10.3	76
131	Pseudocapacitance of zeolite-templated carbon in organic electrolytes. Energy Storage Materials, 2015, 1, 35-41.	18.0	41
132	Algerian natural montmorillonites for arsenic(III) removal in aqueous solution. International Journal of Environmental Science and Technology, 2015, 12, 595-602.	3.5	53
133	Improvement of carbon materials performance by nitrogen functional groups in electrochemical capacitors in organic electrolyte at severe conditions. Carbon, 2015, 82, 205-213.	10.3	66
134	Electrochemical Behaviour of PSS-Functionalized Silica Films Prepared by Electroassisted Deposition of Solâ€“Gel Precursors. Electrocatalysis, 2015, 6, 33-41.	3.0	6
135	Pt- and Ru-Doped SnO₂â€“Sb Anodes with High Stability in Alkaline Medium. ACS Applied Materials & Interfaces, 2014, 6, 22778-22789.	8.0	65
136	Electrochemical behaviour of different redox probes on single wall carbon nanotube buckypaper-modified electrodes. Electrochimica Acta, 2014, 135, 404-411.	5.2	18
137	Electrochemical and In Situ FTIR Study of o-Cresol on Platinum Electrode in Acid Medium. Electrocatalysis, 2014, 5, 186-192.	3.0	9
138	Electrochemical Performance of Hierarchical Porous Carbon Materials Obtained from the Infiltration of Lignin into Zeolite Templates. ChemSusChem, 2014, 7, 1458-1467.	6.8	96
139	Synthesis, Characterization and Conducting Properties of Nanocomposites of Intercalated 2-Aminophenol with Aniline in Sodium-Montmorillonite. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 267-274.	3.7	31
140	Enhancement of the Electrochemical Performance of SWCNT dispersed in a Silica Sol-gel Matrix by Reactive Insertion of a Conducting Polymer. Electrochimica Acta, 2014, 135, 114-120.	5.2	15
141	New insights on electrochemical hydrogen storage in nanoporous carbons by in situ Raman spectroscopy. Carbon, 2014, 69, 401-408.	10.3	47
142	Tailoring the Surface Chemistry of Activated Carbon Cloth by Electrochemical Methods. ACS Applied Materials & Interfaces, 2014, 6, 11682-11691.	8.0	37
143	On the origin of the high capacitance of nitrogen-containing carbon nanotubes in acidic and alkaline electrolytes. Chemical Communications, 2014, 50, 11343-11346.	4.1	91
144	Modulation of the Silica Solâ€“Gel Composition for the Promotion of Direct Electron Transfer to Encapsulated Cytochrome c. Langmuir, 2014, 30, 10531-10538.	3.5	16

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145	Carbonâ€“carbon asymmetric aqueous capacitor by pseudocapacitive positive and stable negative electrodes. Carbon, 2014, 67, 792-794.	10.3	23
146	Preparation of homogeneous CNT coatings in insulating capillary tubes by an innovative electrochemically-assisted method. Carbon, 2014, 67, 564-571.	10.3	4
147	Electrocatalytic Performance of SiO2-SWCNT Nanocomposites Prepared by Electroassisted Deposition. Electrocatalysis, 2013, 4, 259-266.	3.0	15
148	Flexible ruthenium oxide-activated carbon cloth composites prepared by simple electrodeposition methods. Energy, 2013, 58, 519-526.	8.8	69
149	Tailoring the porosity of chemically activated hydrothermal carbons: Influence of the precursor and hydrothermal carbonization temperature. Carbon, 2013, 62, 346-355.	10.3	198
150	Removal of 8-quinolinecarboxylic acid pesticide from aqueous solution by adsorption on activated montmorillonites. Environmental Monitoring and Assessment, 2013, 185, 10365-10375.	2.7	47
151	Single-walled carbon nanotube buckypapers as electrocatalyst supports for methanol oxidation. Journal of Power Sources, 2013, 242, 7-14.	7.8	22
152	Binderless thin films of zeolite-templated carbon electrodes useful for electrochemical microcapacitors with ultrahigh rate performance. Physical Chemistry Chemical Physics, 2013, 15, 10331.	2.8	21
153	Effect of the intercalated cation-exchanged on the properties of nanocomposites prepared by 2-aminobenzene sulfonic acid with aniline and montmorillonite. Journal of Alloys and Compounds, 2013, 551, 212-218.	5.5	17
154	Electrochemical generation of oxygen-containing groups in an ordered microporous zeolite-templated carbon. Carbon, 2013, 54, 94-104.	10.3	62
155	Asymmetric hybrid capacitors based on activated carbon and activated carbon fibreâ€“PANI electrodes. Electrochimica Acta, 2013, 89, 326-333.	5.2	94
156	SERS Active Surface in Two Steps, Patterning and Metallization. Advanced Engineering Materials, 2013, 15, 325-329.	3.5	4
157	Hydrothermal Carbons from Hemicelluloseâ€Derived Aqueous Hydrolysis Products as Electrode Materials for Supercapacitors. ChemSusChem, 2013, 6, 374-382.	6.8	169
158	Polyaniline/Montmorillonite Nanocomposites Obtained by In Situ Intercalation and Oxidative Polymerization in Cationic Modified-Clay (Sodium, Copper and Iron). Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 1485-1491.	3.7	15
159	Electrooxidation Methods to Produce Pseudocapacitance-containing Porous Carbons. Electrochemistry, 2013, 81, 833-839.	1.4	16
160	Relevance of porosity and surface chemistry of superactivated carbons in capacitors. Tanso, 2013, 2013, 41-47.	0.1	7
161	Lead ion adsorption from aqueous solutions in modified Algerian montmorillonites. Journal of Thermal Analysis and Calorimetry, 2012, 110, 1069-1077.	3.6	32
162	On the catalytic oxidation of ascorbic acid at self-doping polyaniline films. Physical Chemistry Chemical Physics, 2012, 14, 10271.	2.8	12

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