

# Emilia Morallon

## List of Publications by Year in descending order

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268  
papers

10,543  
citations

25014

57  
h-index

51562

86  
g-index

274  
all docs

274  
docs citations

274  
times ranked

11074  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of surface chemistry on electric double layer capacitance of carbon materials. Carbon, 2005, 43, 2677-2684.	5.4	372
2	A stretchable and screen-printed electrochemical sensor for glucose determination in human perspiration. Biosensors and Bioelectronics, 2017, 91, 885-891.	5.3	274
3	Metal-free heteroatom-doped carbon-based catalysts for ORR: A critical assessment about the role of heteroatoms. Carbon, 2020, 165, 434-454.	5.4	231
4	Chemical and electrochemical characterization of porous carbon materials. Carbon, 2006, 44, 2642-2651.	5.4	211
5	Tailoring the porosity of chemically activated hydrothermal carbons: Influence of the precursor and hydrothermal carbonization temperature. Carbon, 2013, 62, 346-355.	5.4	198
6	Preparation and Characterization of Antimony-Doped Tin Dioxide Electrodes. Part 1. Electrochemical Characterization. Journal of Physical Chemistry B, 2004, 108, 5036-5043.	1.2	184
7	Electrochemical oxidation of benzoic acid at boron-doped diamond electrodes. Electrochimica Acta, 2002, 47, 3509-3513.	2.6	174
8	Hydrothermal Carbons from Hemicellulose-Derived Aqueous Hydrolysis Products as Electrode Materials for Supercapacitors. ChemSusChem, 2013, 6, 374-382.	3.6	169
9	Preparation and Characterization of Copper-Doped Cobalt Oxide Electrodes. Journal of Physical Chemistry B, 2006, 110, 24021-24029.	1.2	165
10	Synthesis of Graphitic Carbon Nanostructures from Sawdust and Their Application as Electrocatalyst Supports. Journal of Physical Chemistry C, 2007, 111, 9749-9756.	1.5	147
11	Spectroelectrochemical study of the oxidation of aminophenols on platinum electrode in acid medium. Journal of Electroanalytical Chemistry, 2004, 565, 375-383.	1.9	137
12	Electrochemical deposition of platinum nanoparticles on different carbon supports and conducting polymers. Journal of Applied Electrochemistry, 2008, 38, 259-268.	1.5	129
13	Preparation and Characterization of Antimony-Doped Tin Dioxide Electrodes. 3. XPS and SIMS Characterization. Journal of Physical Chemistry B, 2004, 108, 15976-15981.	1.2	123
14	Study on electroactive and electrocatalytic surfaces of single walled carbon nanotube-modified electrodes. Electrochimica Acta, 2011, 56, 2464-2470.	2.6	116
15	Platinum particles deposited on synthetic boron-doped diamond surfaces. Application to methanol oxidation. Electrochimica Acta, 2003, 48, 3891-3897.	2.6	110
16	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. Electrochimica Acta, 2009, 54, 7048-7055.	2.6	109
17	Effect of electrochemical treatments on the surface chemistry of activated carbon. Carbon, 2009, 47, 1018-1027.	5.4	105
18	Electrochemical regeneration and porosity recovery of phenol-saturated granular activated carbon in an alkaline medium. Carbon, 2010, 48, 2734-2745.	5.4	105

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19	Biomass-derived binderless fibrous carbon electrodes for ultrafast energy storage. <i>Green Chemistry</i> , 2016, 18, 1506-1515.	4.6	102
20	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.	1.9	101
21	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.	5.4	97
22	Electrochemical Performance of Hierarchical Porous Carbon Materials Obtained from the Infiltration of Lignin into Zeolite Templates. <i>ChemSusChem</i> , 2014, 7, 1458-1467.	3.6	96
23	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.	1.9	95
24	Asymmetric hybrid capacitors based on activated carbon and activated carbon fibre-PANI electrodes. <i>Electrochimica Acta</i> , 2013, 89, 326-333.	2.6	94
25	PANI-derived polymer/Al <sub>2</sub> O <sub>3</sub> nanocomposites: synthesis, characterization, and electrochemical studies. <i>Colloid and Polymer Science</i> , 2016, 294, 1877-1885.	1.0	93
26	Electrochemical characterization of SnO <sub>2</sub> electrodes doped with Ru and Pt. <i>Electrochimica Acta</i> , 2009, 54, 5230-5238.	2.6	91
27	On the origin of the high capacitance of nitrogen-containing carbon nanotubes in acidic and alkaline electrolytes. <i>Chemical Communications</i> , 2014, 50, 11343-11346.	2.2	91
28	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.	5.2	87
29	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.	1.9	85
30	Electrocatalytic degradation of phenol on Pt- and Ru-doped Ti/SnO <sub>2</sub> -Sb anodes in an alkaline medium. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 394-404.	10.8	85
31	Direct synthesis of graphitic carbon nanostructures from saccharides and their use as electrocatalytic supports. <i>Carbon</i> , 2008, 46, 931-939.	5.4	83
32	Effect of surface chemistry on electrochemical storage of hydrogen in porous carbon materials. <i>Carbon</i> , 2008, 46, 1053-1059.	5.4	83
33	Characterization and stability of doped SnO <sub>2</sub> anodes. <i>Journal of Applied Electrochemistry</i> , 1998, 28, 607-612.	1.5	79
34	Ultraporous nitrogen-doped zeolite-templated carbon for high power density aqueous-based supercapacitors. <i>Carbon</i> , 2018, 129, 510-519.	5.4	79
35	Highly dispersed platinum nanoparticles on carbon nanocoils and their electrocatalytic performance for fuel cell reactions. <i>Electrochimica Acta</i> , 2009, 54, 2234-2238.	2.6	78
36	Hybrid sol-gel-conducting polymer synthesised by electrochemical insertion: tailoring the capacitance of polyaniline. <i>Journal of Materials Chemistry</i> , 2009, 19, 305-310.	6.7	78

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37	A novel conducting nanocomposite obtained by p-aminidine and aniline with titanium(IV) oxide nanoparticles: Synthesis, Characterization, and Electrochemical properties. <i>Polymer Composites</i> , 2017, 38, E254.	2.3	77
38	Enhanced electro-oxidation resistance of carbon electrodes induced by phosphorus surface groups. <i>Carbon</i> , 2015, 95, 681-689.	5.4	76
39	Lignin-derived Pt supported carbon (submicron) fiber electrocatalysts for alcohol electro-oxidation. <i>Applied Catalysis B: Environmental</i> , 2017, 211, 18-30.	10.8	75
40	Comparison among Chemical, Thermal, and Electrochemical Regeneration of Phenol-Saturated Activated Carbon. <i>Energy &amp; Fuels</i> , 2010, 24, 3366-3372.	2.5	73
41	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.	1.2	72
42	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.	5.3	71
43	Pt/carbon nanofibers electrocatalysts for fuel cells. <i>Journal of Power Sources</i> , 2007, 171, 302-309.	4.0	70
44	Preparation of polypyrrole (PPy)-derived polymer/ZrO <sub>2</sub> nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2089-2100.	2.0	70
45	Flexible ruthenium oxide-activated carbon cloth composites prepared by simple electrodeposition methods. <i>Energy</i> , 2013, 58, 519-526.	4.5	69
46	Electrochemical Regeneration of Activated Carbon Saturated with Toluene. <i>Journal of Applied Electrochemistry</i> , 2005, 35, 319-325.	1.5	68
47	Characterization and electrochemical properties of conducting nanocomposites synthesized from p-aminidine and aniline with titanium carbide by chemical oxidative method. <i>Synthetic Metals</i> , 2015, 202, 25-32.	2.1	68
48	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.	1.3	67
49	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.	5.4	67
50	Activation of electrospun lignin-based carbon fibers and their performance as self-standing supercapacitor electrodes. <i>Separation and Purification Technology</i> , 2020, 241, 116724.	3.9	67
51	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.	5.4	66
52	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.	1.3	65
53	Pt- and Ru-Doped SnO <sub>2</sub> -Sb Anodes with High Stability in Alkaline Medium. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 22778-22789.	4.0	65
54	Asymmetric capacitors using lignin-based hierarchical porous carbons. <i>Journal of Power Sources</i> , 2016, 326, 641-651.	4.0	64

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55	Polyaniline/porous carbon electrodes by chemical polymerisation: Effect of carbon surface chemistry. <i>Electrochimica Acta</i> , 2007, 52, 4962-4968.	2.6	62
56	Electrochemical generation of oxygen-containing groups in an ordered microporous zeolite-templated carbon. <i>Carbon</i> , 2013, 54, 94-104.	5.4	62
57	Insight into the origin of carbon corrosion in positive electrodes of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7480-7488.	5.2	62
58	Activated Carbons Prepared through H <sub>2</sub> PO <sub>4</sub> -Assisted Hydrothermal Carbonisation from Biomass Wastes: Porous Texture and Electrochemical Performance. <i>ChemPlusChem</i> , 2016, 81, 1349-1359.	1.3	60
59	Key factors improving oxygen reduction reaction activity in cobalt nanoparticles modified carbon nanotubes. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 303-312.	10.8	58
60	Strategies to Enhance the Performance of Electrochemical Capacitors Based on Carbon Materials. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	58
61	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.	4.0	56
62	Electrochemical oxidation of synthetic tannery wastewater in chloride-free aqueous media. <i>Journal of Hazardous Materials</i> , 2010, 180, 429-435.	6.5	55
63	Formation and Evolution of Chemical Gradients and Potential Differences Across Self-Assembling Inorganic Membranes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4317-4321.	7.2	54
64	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.	2.6	53
65	Electrochemical Methods to Enhance the Capacitance in Activated Carbon/Polyaniline Composites. <i>Journal of the Electrochemical Society</i> , 2008, 155, A672.	1.3	53
66	Algerian natural montmorillonites for arsenic(III) removal in aqueous solution. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 595-602.	1.8	53
67	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.	2.6	53
68	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.	1.9	52
69	Oxygen-reduction catalysis of N-doped carbons prepared <i>via</i> heat treatment of polyaniline at over 1100 °C. <i>Chemical Communications</i> , 2018, 54, 4441-4444.	2.2	50
70	Design of Activated Carbon/Activated Carbon Asymmetric Capacitors. <i>Frontiers in Materials</i> , 2016, 3, .	1.2	49
71	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.	1.9	48
72	Electrochemical performance of carbon gels with variable surface chemistry and physics. <i>Carbon</i> , 2012, 50, 3324-3332.	5.4	48

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73	Silica-templated ordered mesoporous carbon thin films as electrodes for micro-capacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4570-4579.	5.2	48
74	Electrochemical behaviour of benzene on platinum electrodes. <i>Electrochimica Acta</i> , 2000, 45, 4271-4277.	2.6	47
75	Removal of 8-quinolinecarboxylic acid pesticide from aqueous solution by adsorption on activated montmorillonites. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 10365-10375.	1.3	47
76	New insights on electrochemical hydrogen storage in nanoporous carbons by in situ Raman spectroscopy. <i>Carbon</i> , 2014, 69, 401-408.	5.4	47
77	Electrochemical behaviour of aqueous SO <sub>2</sub> at polycrystalline gold electrodes in acidic media. A voltammetric and in-situ vibrational study. Part II. Oxidation of SO <sub>2</sub> on bare and sulphur-modified electrodes. <i>Electrochimica Acta</i> , 2001, 46, 651-659.	2.6	46
78	Voltammetric and spectroscopic characterization of cyanide adlayers on Pt(h,k,l) in an acidic medium. <i>Surface Science</i> , 1998, 396, 400-410.	0.8	45
79	Generation of nitrogen functionalities on activated carbons by amidation reactions and Hofmann rearrangement: Chemical and electrochemical characterization. <i>Carbon</i> , 2015, 91, 252-265.	5.4	44
80	A comparison between oxidation of activated carbon by electrochemical and chemical treatments. <i>Carbon</i> , 2012, 50, 1123-1134.	5.4	43
81	Nitrogen doped superporous carbon prepared by a mild method. Enhancement of supercapacitor performance. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19691-19701.	3.8	42
82	New insights into the electrochemical behaviour of porous carbon electrodes for supercapacitors. <i>Journal of Energy Storage</i> , 2018, 19, 337-347.	3.9	42
83	Nitrogen-Doped Superporous Activated Carbons as Electrocatalysts for the Oxygen Reduction Reaction. <i>Materials</i> , 2019, 12, 1346.	1.3	42
84	Pseudocapacitance of zeolite-templated carbon in organic electrolytes. <i>Energy Storage Materials</i> , 2015, 1, 35-41.	9.5	41
85	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.	2.6	41
86	Friendly Conditions Synthesis of Platinum Nanoparticles Supported on a Conducting Polymer:â€™% Methanol Electrooxidation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12454-12460.	1.5	40
87	Measuring cycle efficiency and capacitance of chemically activated carbons in propylene carbonate. <i>Carbon</i> , 2010, 48, 1451-1456.	5.4	40
88	Biomass waste conversion into low-cost carbon-based materials for supercapacitors: A sustainable approach for the energy scenario. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114899.	1.9	39
89	Electrochemical study of benzene on Pt of various surface structures in alkaline and acidic solutions. <i>Electrochimica Acta</i> , 2002, 47, 4399-4406.	2.6	37
90	Study of the chemical copolymerization of 2-aminoterephthalic acid and aniline.. <i>European Polymer Journal</i> , 2006, 42, 1521-1532.	2.6	37

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91	Tailoring the Surface Chemistry of Activated Carbon Cloth by Electrochemical Methods. ACS Applied Materials & Interfaces, 2014, 6, 11682-11691.	4.0	37
92	Electrochemical behaviour of basal single crystal Pt electrodes in alkaline medium. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 288, 217-228.	0.3	36
93	Electrochemical behaviour of activated carbons obtained via hydrothermal carbonization. Journal of Materials Chemistry A, 2015, 3, 15558-15567.	5.2	36
94	New poly(o-phenylenediamine)/modified-clay nanocomposites: A study on spectral, thermal, morphological and electrochemical characteristics. Journal of Molecular Structure, 2019, 1178, 327-332.	1.8	36
95	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.	3.8	34
96	Highly Stable N-Doped Carbon-Supported Pd-Based Catalysts Prepared from Biomass Waste for H <sub>2</sub> Production from Formic Acid. ACS Sustainable Chemistry and Engineering, 2020, 8, 15030-15043.	3.2	34
97	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.	1.7	34
98	Cyanide and Phenol Oxidation on Nanostructured Co <sub>3</sub> O <sub>4</sub> Electrodes Prepared by Different Methods. Journal of the Electrochemical Society, 2008, 155, K110.	1.3	33
99	Structural and morphological alterations induced by cobalt substitution in LaMnO <sub>3</sub> perovskites. Journal of Colloid and Interface Science, 2019, 556, 658-666.	5.0	33
100	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). Journal of Electroanalytical Chemistry, 1997, 431, 269-275.	1.9	32
101	Tuning the electroactivity of conductive polymer at physiological pH. Electrochimica Acta, 2007, 52, 2978-2986.	2.6	32
102	Kinetics of Double-Layer Formation: Influence of Porous Structure and Pore Size Distribution. Energy & Fuels, 2010, 24, 3378-3384.	2.5	32
103	All electrochemical synthesis of polyaniline/silica sol-gel materials. Electrochimica Acta, 2011, 56, 3620-3625.	2.6	32
104	Lead ion adsorption from aqueous solutions in modified Algerian montmorillonites. Journal of Thermal Analysis and Calorimetry, 2012, 110, 1069-1077.	2.0	32
105	Irreversible adsorption of methanol on Pt(110) in carbonate solution. Electrochimica Acta, 1992, 37, 1883-1886.	2.6	31
106	Electrochemical behaviour of conducting polymers obtained into clay-catalyst layers. An in situ Raman spectroscopy study. European Polymer Journal, 2006, 42, 733-739.	2.6	31
107	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.	1.9	31
108	Electrochemical performance of a superporous activated carbon in ionic liquid-based electrolytes. Journal of Power Sources, 2016, 336, 419-426.	4.0	31



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109	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.	1.8	31
110	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.	1.9	30
111	Electrochemical behaviour of aqueous SO <sub>2</sub> at polycrystalline gold electrodes in acidic media: a voltammetric and in situ vibrational study. <i>Electrochimica Acta</i> , 2000, 45, 1847-1862.	2.6	30
112	Spectroelectrochemical study on CN <sup>-</sup> adsorbed at Pt(111) in sulphuric and perchloric media. <i>Electrochimica Acta</i> , 1998, 44, 943-948.	2.6	29
113	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.	1.9	28
114	Voltammetric and in situ FTIRS study on CN <sup>-</sup> and Au(CN) <sup>x-</sup> complexes at the polycrystalline gold surface in citrate medium. <i>Journal of Electroanalytical Chemistry</i> , 2004, 569, 53-60.	1.9	28
115	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.	5.4	28
116	Electrochemical oxidation of ethanol on Pt(hkl) basal surfaces in NaOH and Na <sub>2</sub> CO <sub>3</sub> media. <i>Journal of Power Sources</i> , 1994, 52, 109-117.	4.0	27
117	Preparation of thin silicalite-1 layers on carbon materials by electrochemical methods. <i>Microporous and Mesoporous Materials</i> , 2003, 66, 331-340.	2.2	27
118	Charge Transport in Luminescent Polymers Studied by in Situ Fluorescence Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5914-5919.	1.2	27
119	Relevance of the Interaction between the M-Phthalocyanines and Carbon Nanotubes in the Electroactivity toward ORR. <i>Langmuir</i> , 2017, 33, 11945-11955.	1.6	27
120	Synthesis of conducting polymer/carbon material composites and their application in electrical energy storage. , 2017, , 173-209.		27
121	Effect of Nitrogen-Functional Groups on the ORR Activity of Activated Carbon Fiber-Polypyrrole-Based Electrodes. <i>Electrocatalysis</i> , 2018, 9, 697-705.	1.5	27
122	Manganese oxides/LaMnO <sub>3</sub> perovskite materials and their application in the oxygen reduction reaction. <i>Energy</i> , 2022, 247, 123456.	4.5	27
123	Effect of carbon surface on degradation of supercapacitors in a negative potential range. <i>Journal of Power Sources</i> , 2020, 457, 228042.	4.0	26
124	Electrochemical behaviour of Pt(111) in alkaline media. Effect of specific adsorption of anions. <i>Journal of Electroanalytical Chemistry</i> , 1992, 334, 323-338.	1.9	25
125	Potential modulated reflectance spectroscopy of Pt(111) in acidic and alkaline media: cyanide adsorption. <i>Journal of Electroanalytical Chemistry</i> , 1999, 463, 109-115.	1.9	25
126	Metal free electrochemical glucose biosensor based on N-doped porous carbon material. <i>Electrochimica Acta</i> , 2021, 367, 137434.	2.6	25



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127	Synthesis, characterization and DFT investigation of new metal complexes of Ni(II), Mn(II) and VO(IV) containing N,O-donor Schiff base ligand. <i>Journal of Molecular Structure</i> , 2021, 1231, 129923.	1.8	25
128	On the polymerization of 2-aminodiphenylamine. <i>Synthetic Metals</i> , 2006, 156, 51-57.	2.1	24
129	Enhanced removal of 8-quinolinecarboxylic acid in an activated carbon cloth by electroadsorption in aqueous solution. <i>Chemosphere</i> , 2016, 144, 982-988.	4.2	24
130	Tailoring the properties of polyanilines/SiC nanocomposites by engineering monomer and chain substituents. <i>Journal of Molecular Structure</i> , 2019, 1188, 121-128.	1.8	24
131	Improving the power performance of urine-fed microbial fuel cells using PEDOT-PSS modified anodes. <i>Applied Energy</i> , 2020, 278, 115528.	5.1	24
132	The generation of hydroxyl radicals and electro-oxidation of diclofenac on Pt-doped SnO <sub>2</sub> @Sb electrodes. <i>Electrochimica Acta</i> , 2020, 354, 136686.	2.6	24
133	Oxidation of methylamine and ethylamine on Pt single crystal electrodes in acid medium. <i>Journal of Electroanalytical Chemistry</i> , 1999, 469, 159-169.	1.9	23
134	Characterization of activated carbon fiber/polyaniline materials by position-resolved microbeam small-angle X-ray scattering. <i>Carbon</i> , 2012, 50, 1051-1056.	5.4	23
135	Carbon@carbon asymmetric aqueous capacitor by pseudocapacitive positive and stable negative electrodes. <i>Carbon</i> , 2014, 67, 792-794.	5.4	23
136	Electrochemical regeneration of spent activated carbon from drinking water treatment plant at different scale reactors. <i>Chemosphere</i> , 2021, 264, 128399.	4.2	23
137	On the deactivation of N-doped carbon materials active sites during oxygen reduction reaction. <i>Carbon</i> , 2022, 189, 548-560.	5.4	23
138	The oxidation of ascorbate at copolymeric sulfonated poly(aniline) coated on glassy carbon electrodes. <i>Bioelectrochemistry</i> , 2011, 80, 105-113.	2.4	22
139	Single-walled carbon nanotube buckypapers as electrocatalyst supports for methanol oxidation. <i>Journal of Power Sources</i> , 2013, 242, 7-14.	4.0	22
140	Characterization of a zeolite-templated carbon by electrochemical quartz crystal microbalance and in situ Raman spectroscopy. <i>Carbon</i> , 2015, 89, 63-73.	5.4	22
141	Novel nickel(II) and manganese(III) complexes with bidentate Schiff-base ligand: synthesis, spectral, thermogravimetry, electrochemical and electrocatalytical properties. <i>Research on Chemical Intermediates</i> , 2016, 42, 4839-4858.	1.3	22
142	Copper-Doped Cobalt Spinel Electrocatalysts Supported on Activated Carbon for Hydrogen Evolution Reaction. <i>Materials</i> , 2019, 12, 1302.	1.3	22
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.	1.9	21
144	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.	1.3	21

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145	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.	2.0	21
146	Efficient Pt electrocatalysts supported onto flavin mononucleotide exfoliated pristine graphene for the methanol oxidation reaction. <i>Electrochimica Acta</i> , 2017, 231, 386-395.	2.6	21
147	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.	2.6	21
148	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54815-54823.	4.0	21
149	Transition metal oxides with perovskite and spinel structures for electrochemical energy production applications. <i>Environmental Research</i> , 2022, 214, 113731.	3.7	21
150	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.	1.9	20
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