

Xiaoyu Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

593
citations

15
h-index

23
g-index

41
ext. papers

857
ext. citations

4.9
avg, IF

4.36
L-index

#	Paper	IF	Citations
38	In-situ analysis of self-assembled monolayer induced polymorphism in controlled crystallization of carbamazepine using quartz crystal microbalance technique. <i>Applied Surface Science</i> , 2022 , 593, 153445	6.7	
37	Analysis of crystallization and deposition process using electrochemical-quartz crystal microbalance: A review. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 904, 115936	4.1	3
36	Polypyrrole/Al ₂ O ₃ /LiMn ₂ O ₄ cathode for enhanced storage of Li ions. <i>Electrochemistry Communications</i> , 2021 , 124, 106951	5.1	2
35	In situ analysis of pore size effect of ionic solvation during the formation of double electric layers. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 880, 114846	4.1	0
34	Molecularly imprinted polymer composites in food analysis 2021 , 345-380		
33	An electrocatalytic active AuNPs/5-Amino-2-mercaptobenzimidazole/rGO/SPCE composite electrode for ultrasensitive detection of progesterone. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 882, 115023	4.1	6
32	Simple and Rapid Preparation of MIL-121 with Small Particles for Lithium Adsorption from Brine. <i>Coatings</i> , 2021 , 11, 854	2.9	3
31	Lithium extraction from brine by an asymmetric hybrid capacitor composed of heterostructured lithium-rich cathode and nano-bismuth anode. <i>Separation and Purification Technology</i> , 2021 , 274, 119078	8.3	0
30	Efficient Lithium Extraction from Brine Using a Three-Dimensional Nanostructured Hybrid Inorganic-Gel Framework Electrode. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 4827-4837	8.3	19
29	Blocking the defect sites on ultrathin Pt nanowires with Rh atoms to optimize the reaction path toward alcohol fuel oxidation. <i>Chinese Chemical Letters</i> , 2020 , 31, 1782-1786	8.1	9
28	Electrode materials for capacitive deionization: A review. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 873, 114416	4.1	33
27	Lithium extraction from brine in an ionic selective desalination battery. <i>Desalination</i> , 2020 , 481, 114360	10.3	25
26	Semi-continuous electrochemical extraction of lithium from brine using CF-NMMO/AC asymmetric hybrid capacitors. <i>Electrochimica Acta</i> , 2020 , 331, 135285	6.7	18
25	Review on the electrochemical extraction of lithium from seawater/brine. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 850, 113389	4.1	48
24	Preparation, Evaluation and Characterization of Rutin-Chitooligosaccharide Complex. <i>Plant Foods for Human Nutrition</i> , 2019 , 74, 328-333	3.9	1
23	Experimental determination and thermodynamic modeling of solid-liquid-phase equilibrium for the 3-nitrotoluene and 4-nitrotoluene binary system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 1251-1257	4.1	3
22	Battery-Type Electrode Materials for Sodium-Ion Capacitors. <i>Batteries and Supercaps</i> , 2019 , 2, 899-917	5.6	16

21	Core-Shell Self-Doped Polyaniline Coated Metal-Organic-Framework (SPAN@UIO-66-NH ₂) Screen Printed Electrochemical Sensor for Cd ²⁺ Ions. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B873-B880	3.9	25
20	Systematically controlled synthesis of rGO/nano-MnOx materials for supercapacitors. <i>Progress in Natural Science: Materials International</i> , 2019 , 29, 504-510	3.6	1
19	Determination and thermodynamic modeling of solid-liquid phase equilibrium for the 2,4,6-trimethylphenol and 2,5-dimethylphenol binary system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 1923-1931	4.1	4
18	Enhancement of the water solubility and antioxidant activity of hesperidin by chitoooligosaccharide. <i>Journal of the Science of Food and Agriculture</i> , 2018 , 98, 2422-2427	4.3	23
17	Defect Sites in Ultrathin Pd Nanowires Facilitate the Highly Efficient Electrochemical Hydrodechlorination of Pollutants by H [*] . <i>Environmental Science & Technology</i> , 2018 , 52, 9992-10002	10.3	63
16	PEDOT:PSS/AuNPs/CA modified screen-printed carbon based disposable electrochemical sensor for sensitive and selective determination of carmine. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 824, 14-21	4.1	6
15	Decoration of graphene with 2-aminoethanethiol functionalized gold nanoparticles for molecular imprinted sensing of erythrosine. <i>Carbon</i> , 2018 , 127, 618-626	10.4	27
14	Solubility Determination and Modeling and Dissolution Thermodynamic Properties of Raspberry Ketone in Binary Solvent Mixtures of Ethanol and Water. <i>International Journal of Thermophysics</i> , 2018 , 39, 1	2.1	2
13	Phase Diagram of the Nicotinic Acid + Ammonium Sulfate + Water System. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 2612-2617	0.7	
12	Natural Dissociation Ratio of Carboxyl Group Controlled Highly Dispersed Silver Nanoparticles on PSA Microspheres and Their Catalytic Performance. <i>Nanoscale Research Letters</i> , 2018 , 13, 406	5	4
11	Reduced Graphene Oxide-Modified Screen-Printed Carbon (rGO-SPCE)-Based Disposable Electrochemical Sensor for Sensitive and Selective Determination of Ethyl Carbamate. <i>Food Analytical Methods</i> , 2017 , 10, 3329-3337	3.4	12
10	Energy conversion technologies towards self-powered electrochemical energy storage systems: the state of the art and perspectives. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1873-1894	13	88
9	Rapid and sensitive determination of tartrazine using a molecularly imprinted copolymer modified carbon electrode (MIP-PmDB/PoPD-GCE). <i>Journal of Electroanalytical Chemistry</i> , 2017 , 785, 90-95	4.1	26
8	Prepared MnO ₂ with different crystal forms as electrode materials for supercapacitors: experimental research from hydrothermal crystallization process to electrochemical performances. <i>RSC Advances</i> , 2017 , 7, 40286-40294	3.7	53
7	Preparation and Structural Analysis of Nano-Silver Loaded Poly(styrene-co-acrylic acid) Core-Shell Nanospheres with Defined Shape and Composition. <i>Nanomaterials</i> , 2017 , 7,	5.4	5
6	A New Molecularly Imprinted Polymer (MIP)-based Electrochemical Sensor for Monitoring Cardiac Troponin I (cTnI) in the Serum. <i>Electroanalysis</i> , 2016 , 28, 2044-2049	3	20
5	Frequency-dependence of electric double layer capacitance of TiO ₂ -based composite nanotube arrays. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 779, 199-206	4.1	3
4	Improving photocatalytic Rhodamine B degrading activity with Pt quantum dots on TiO ₂ nanotube arrays. <i>Surface and Coatings Technology</i> , 2015 , 281, 89-97	4.4	15

- 3 Examination of the Gouy-Chapman theory for double layer capacitance in deionized latex suspensions. *RSC Advances*, **2014**, 4, 63171-63181 3-7 22
- 2 Voltammetry in low concentration of electrolyte supported by ionic latex suspensions. *Journal of Electroanalytical Chemistry*, **2013**, 697, 5-9 4-1 7
- 1 Antibacterial properties of a novel nano-silver loaded poly(styrene-co-acrylic) composites. *Polymers and Polymer Composites*, 096739112110374 0-8