Zhengfei Chen

List of Publications by Year
in descending order

36 papers	1,304 citations	331670 21 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	1372 citing authors

#	Article	IF	Citations
1	Aluminothermic reduction synthesis of porous silicon nanosheets from vermiculite as high-performance anode materials for lithium-ion batteries. Applied Clay Science, 2022, 218, 106418.	5.2	19
2	In Situ Formed Edge-Rich Ni₃S₂-NiOOH Heterojunctions for Oxygen Evolution Reaction. Journal of the Electrochemical Society, 2022, 169, 054532.	2.9	15
3	Aluminothermic reduction synthesis of Si/C composite nanosheets from waste vermiculite as high-performance anode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2022, 922, 166134.	5.5	39
4	Catalytic Performance for the Conversion of Potent Fluorinated Greenhouse Gases by Aluminium Fluorides with Different Morphology. Catalysis Letters, 2021, 151, 2065-2074.	2.6	4
5	Magnesium citrate induced growth of noodle-like porous graphitic carbons from coal tar pitch for high-performance lithium-ion batteries. Electrochimica Acta, 2021, 376, 138043.	5.2	53
6	Space-confined carbonization strategy for synthesis of carbon nanosheets from glucose and coal tar pitch for high-performance lithium-ion batteries. Applied Surface Science, 2021, 547, 149228.	6.1	78
7	Heterogeneous catalysts for the hydrogenation of amine/alkali hydroxide solvent captured CO 2 to formate: A review. , 2021, 11, 807-823.		14
8	Open-Structured Oxyfluorinated Titanium Phosphate Nanosheets Synthesized with the Assistance of an Ionic Liquid and Their Use as an Anode in Lithium-Ion Batteries. Energy & Fuels, 2021, 35, 15213-15222.	5.1	26
9	Structural Variations of Metal Oxideâ€Based Electrocatalysts for Oxygen Evolution Reaction. Small Methods, 2021, 5, e2100834.	8.6	42
10	Structural evaluation and protium-deuterium exchange in 1-ethyl-3-methylimidazolium halide-ethylene glycol mixtures. Journal of Fluorine Chemistry, 2020, 239, 109637.	1.7	3
11	Reaction evolution of a solvate fluoride ionic liquid induced fluorination process probed by Raman spectroscopy. Journal of Molecular Liquids, 2020, 305, 112819.	4.9	3
12	Nitrogen-Doped Porous Co3O4/Graphene Nanocomposite for Advanced Lithium-Ion Batteries. Nanomaterials, 2019, 9, 1253.	4.1	21
13	Green synthesis of porous graphitic carbons from coal tar pitch templated by nano-CaCO3 for high-performance lithium-ion batteries. Journal of Alloys and Compounds, 2019, 795, 91-102.	5.5	64
14	Effect of halides on the solvation of poly(ethylene oxide) in the ionic liquid propylammonium nitrate. Journal of Colloid and Interface Science, 2019, 534, 649-654.	9.4	6
15	Porous graphene prepared from anthracite as high performance anode materials for lithium-ion battery applications. Journal of Alloys and Compounds, 2019, 779, 202-211.	5.5	91
16	Preparation of synthetic graphite from bituminous coal as anode materials for high performance lithium-ion batteries. Fuel Processing Technology, 2018, 172, 162-171.	7.2	159
17	Partially Naked Fluoride in Solvate Ionic Liquids. Journal of Physical Chemistry Letters, 2018, 9, 6662-6667.	4.6	15
18	Hydrothermal Synthesis of Ultra-Light Coal-Based Graphene Oxide Aerogel for Efficient Removal of Dyes from Aqueous Solutions. Nanomaterials, 2018, 8, 670.	4.1	27

#	Article	IF	Citations
19	Efficient synthesis of nitrogen and oxygen co-doped hierarchical porous carbons derived from soybean meal for high-performance supercapacitors. Journal of Alloys and Compounds, 2018, 766, 705-715.	5.5	33
20	Mixing cations with different alkyl chain lengths markedly depresses the melting point in deep eutectic solvents formed from alkylammonium bromide salts and urea. Chemical Communications, 2017, 53, 2375-2377.	4.1	45
21	Effect of cation alkyl chain length on surface forces and physical properties in deep eutectic solvents. Journal of Colloid and Interface Science, 2017, 494, 373-379.	9.4	82
22	Facile synthesis of graphene nanosheets from humic acid for supercapacitors. Fuel Processing Technology, 2017, 165, 112-122.	7.2	88
23	Small angle neutron scattering study of the conformation of poly(ethylene oxide) dissolved in deep eutectic solvents. Journal of Colloid and Interface Science, 2017, 506, 486-492.	9.4	22
24	Facile preparation of hierarchical porous carbons for supercapacitors by direct carbonization of potassium humate. Journal of Solid State Electrochemistry, 2017, 21, 263-271.	2.5	21
25	Structural effect of glymeâ€“Li+ salt solvate ionic liquids on the conformation of poly(ethylene oxide). Physical Chemistry Chemical Physics, 2016, 18, 14894-14903.	2.8	14
26	Nanostructure of Deep Eutectic Solvents at Graphite Electrode Interfaces as a Function of Potential. Journal of Physical Chemistry C, 2016, 120, 2225-2233.	3.1	58
27	Microwave synthesis of hierarchically porous activated carbon from lignite for high performance supercapacitors. Journal of Porous Materials, 2016, 23, 67-73.	2.6	23
28	Micelle Structure of Novel Diblock Polyethers in Water and Two Protic Ionic Liquids (EAN and PAN). Macromolecules, 2015, 48, 1843-1851.	4.8	25
29	Amphiphile Micelle Structures in the Protic Ionic Liquid Ethylammonium Nitrate and Water. Journal of Physical Chemistry B, 2015, 119, 179-191.	2.6	27
30	Lignite-derived high surface area mesoporous activated carbons for electrochemical capacitors. Fuel Processing Technology, 2015, 138, 734-742.	7.2	73
31	Adsorption of Polyether Block Copolymers at Silicaâ€“Water and Silicaâ€“Ethylammonium Nitrate Interfaces. Langmuir, 2015, 31, 7025-7031.	3.5	4
32	Conformation of poly(ethylene oxide) dissolved in the solvate ionic liquid [Li(G4)]TFSI. Physical Chemistry Chemical Physics, 2015, 17, 14872-14878.	2.8	30
33	Effect of cosolvents on the self-assembly of a non-ionic polyethylene oxideâ€“polypropylene oxideâ€“polyethylene oxide block copolymer in the protic ionic liquid ethylammonium nitrate. Journal of Colloid and Interface Science, 2015, 441, 46-51.	9.4	7
34	Long-range ordered lyotropic liquid crystals in intermediate-range ordered protic ionic liquid used as templates for hierarchically porous silica. Journal of Materials Chemistry, 2012, 22, 10069.	6.7	25
35	Lyotropic liquid crystalline phase behaviour in amphiphileâ€“protic ionic liquid systems. Physical Chemistry Chemical Physics, 2012, 14, 3825.	2.8	47
36	Integration of antifouling and foul-release moieties for optimizing the performance of PEG-silicone coatings. Journal of Coatings Technology Research, 0, , 1.	2.5	1