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	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
2	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
3	Facile synthesis of graphene nanosheets from humic acid for supercapacitors. Fuel Processing Technology, 2017, 165, 112-122.	7.2	88
4	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
5	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
6	Lignite-derived high surface area mesoporous activated carbons for electrochemical capacitors. Fuel Processing Technology, 2015, 138, 734-742.	7.2	73
7	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
8	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
9	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
10	Lyotropic liquid crystalline phase behaviour in amphiphileâ€“protic ionic liquid systems. Physical Chemistry Chemical Physics, 2012, 14, 3825.	2.8	47
11	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
12	Structural Variations of Metal Oxideâ€Based Electrocatalysts for Oxygen Evolution Reaction. Small Methods, 2021, 5, e2100834.	8.6	42
13	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
14	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
15	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
16	Amphiphile Micelle Structures in the Protic Ionic Liquid Ethylammonium Nitrate and Water. Journal of Physical Chemistry B, 2015, 119, 179-191.	2.6	27
17	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
18	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

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19	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
20	Micelle Structure of Novel Diblock Polyethers in Water and Two Protic Ionic Liquids (EAN and PAN). Macromolecules, 2015, 48, 1843-1851.	4.8	25
21	Microwave synthesis of hierarchically porous activated carbon from lignite for high performance supercapacitors. Journal of Porous Materials, 2016, 23, 67-73.	2.6	23
22	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
23	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
24	Nitrogen-Doped Porous Co3O4/Graphene Nanocomposite for Advanced Lithium-Ion Batteries. Nanomaterials, 2019, 9, 1253.	4.1	21
25	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
26	Partially Naked Fluoride in Solvate Ionic Liquids. Journal of Physical Chemistry Letters, 2018, 9, 6662-6667.	4.6	15
27	In Situ Formed Edge-Rich Ni₃S₂-NiOOH Heterojunctions for Oxygen Evolution Reaction. Journal of the Electrochemical Society, 2022, 169, 054532.	2.9	15
28	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
29	Heterogeneous catalysts for the hydrogenation of amine/alkali hydroxide solvent captured CO 2 to formate: A review. , 2021, 11, 807-823.		14
30	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
31	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
32	Adsorption of Polyether Block Copolymers at Silicaâ€“Water and Silicaâ€“Ethylammonium Nitrate Interfaces. Langmuir, 2015, 31, 7025-7031.	3.5	4
33	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
34	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
35	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
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