

Zhiming Liu

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,314
citations

304743

22
h-index

289244

40
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42
all docs

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docs citations

42
times ranked

3528
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron-chalcogenide-based electrode materials for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7517-7556.	10.3	20
2	Improving the chemical stability of blue heteroleptic iridium emitter Irpic in the lowest triplet state through ancillary ligand modification: a theoretical perspective. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 9543-9550.	2.8	5
3	Tetrafunctional template-assisted strategy to precisely construct co-doped Sb@C nanofiber with longitudinal tunnels for ultralong-life and high-rate sodium storage. <i>Energy Storage Materials</i> , 2022, 48, 90-100.	18.0	27
4	NIR-II Responsive Molybdenum Dioxide Nanosystem Manipulating Cellular Immunogenicity for Enhanced Tumor Photoimmunotherapy. <i>Nano Letters</i> , 2022, 22, 4741-4749.	9.1	21
5	Oxygenated P/N co-doped carbon for efficient $2e^-$ oxygen reduction to H_2O_2 . <i>Journal of Materials Chemistry A</i> , 2022, 10, 14355-14363.	10.3	22
6	Redox responsive nanoparticle encapsulating black phosphorus quantum dots for cancer theranostics. <i>Bioactive Materials</i> , 2021, 6, 655-665.	15.6	56
7	Dual-responsive ultrathin 1T-phase niobium telluride nanosheet-based delivery systems for enhanced chemo-photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8109-8120.	5.8	11
8	Experimental investigation on the micro-morphologies and growing process of methane hydrate formation in SDS solution. <i>Fuel</i> , 2021, 293, 120320.	6.4	31
9	Influence of the Particle Size of Porous Media on the Formation of Natural Gas Hydrate: A Review. <i>Energy & Fuels</i> , 2021, 35, 11640-11664.	5.1	39
10	Investigation on Hydrate Formation and Growth Characteristics in Dissolved Asphaltene-Containing Water-In-Oil Emulsion. <i>Langmuir</i> , 2021, 37, 11072-11083.	3.5	17
11	A flexible $Mn_{0.5}Ti_2(PO_4)_3/C$ nanofiber film with superior cycling stability for potassium-ion batteries. <i>Nanoscale</i> , 2021, 13, 19956-19965.	5.6	9
12	SERS analysis of carcinoma-associated fibroblasts in a tumor microenvironment based on targeted 2D nanosheets. <i>Nanoscale</i> , 2020, 12, 2133-2141.	5.6	20
13	Effect of porous media and its distribution on methane hydrate formation in the presence of surfactant. <i>Applied Energy</i> , 2020, 261, 114373.	10.1	58
14	Wax and Wax-Hydrate Deposition Characteristics in Single-, Two-, and Three-Phase Pipelines: A Review. <i>Energy & Fuels</i> , 2020, 34, 13350-13368.	5.1	27
15	Few-Layer $NbTe_2$ Nanosheets as Substrates for Surface-Enhanced Raman Scattering Analysis. <i>ACS Applied Nano Materials</i> , 2020, 3, 11363-11371.	5.0	17
16	Rapid label-free SERS detection of foodborne pathogenic bacteria based on hafnium ditelluride-Au nanocomposites. <i>Journal of Innovative Optical Health Sciences</i> , 2020, 13, .	1.0	15
17	Photo-induced synthesis of molybdenum oxide quantum dots for surface-enhanced Raman scattering and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1040-1048.	5.8	28
18	In situ photothermal activation of necroptosis potentiates black phosphorus-mediated cancer photo-immunotherapy. <i>Chemical Engineering Journal</i> , 2020, 394, 124314.	12.7	66

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19	Rationally designed nitrogen-doped yolk-shell Fe ₇ Se ₈ /Carbon nanoboxes with enhanced sodium storage in half/full cells. Carbon, 2020, 166, 175-182.	10.3	39
20	Facile synthesis of metal-phenolic-coated gold nanocuboids for surface-enhanced Raman scattering. Applied Optics, 2020, 59, 6124.	1.8	3
21	Molybdenum oxide nano-dumplings with excellent stability for photothermal cancer therapy and as a controlled release hydrogel. New Journal of Chemistry, 2019, 43, 14281-14290.	2.8	14
22	Black phosphorus-Au filter paper-based three-dimensional SERS substrate for rapid detection of foodborne bacteria. Applied Surface Science, 2019, 497, 143825.	6.1	40
23	Black phosphorus@polypyrrole nanocomposites for high-performance photothermal cancer therapy. New Journal of Chemistry, 2019, 43, 8620-8626.	2.8	12
24	Facile hot spots assembly on molybdenum oxide nanosheets via in situ decoration with gold nanoparticles. Applied Surface Science, 2019, 480, 1162-1170.	6.1	21
25	Full-Scale Label-Free Surface-Enhanced Raman Scattering Analysis of Mouse Brain Using a Black Phosphorus-Based Two-Dimensional Nanoprobe. Applied Sciences (Switzerland), 2019, 9, 398.	2.5	10
26	Phase-controlled synthesis of molybdenum oxide nanoparticles for surface enhanced Raman scattering and photothermal therapy. Nanoscale, 2018, 10, 5997-6004.	5.6	85
27	Effect of Porous Media and Sodium Dodecyl Sulphate Complex System on Methane Hydrate Formation. Energy & Fuels, 2018, 32, 5736-5749.	5.1	48
28	Sb-based electrode materials for rechargeable batteries. Journal of Materials Chemistry A, 2018, 6, 8159-8193.	10.3	95
29	Electrochemical Energy Conversion and Storage with Zeolitic Imidazolate Framework Derived Materials: A Perspective. ChemElectroChem, 2018, 5, 3571-3588.	3.4	46
30	A two-dimensional fingerprint nanoprobe based on black phosphorus for bio-SERS analysis and chemo-photothermal therapy. Nanoscale, 2018, 10, 18795-18804.	5.6	86
31	Effect of silica sand size and saturation on methane hydrate formation in the presence of SDS. Journal of Natural Gas Science and Engineering, 2018, 56, 266-280.	4.4	69
32	Facile Fabrication of Flower-Like C@Mo ₂ C Hybrids with Enhanced Energy Storage Properties. ChemistrySelect, 2018, 3, 8395-8401.	1.5	0
33	Highly Graphitic Carbon Nanofibers Web as a Cathode Material for Lithium Oxygen Batteries. Applied Sciences (Switzerland), 2018, 8, 209.	2.5	7
34	Bi@C Nanoplates Derived from (BiO) ₂ CO ₃ as an Enhanced Electrode Material for Lithium/Sodium-Ion Batteries. ChemistrySelect, 2018, 3, 8973-8979.	1.5	23
35	A Nano-Micro Hybrid Structure Composed of Fe ₇ S ₈ Nanoparticles Embedded in Nitrogen-Doped Porous Carbon Framework for High-Performance Lithium/Sodium-Ion Batteries. Particle and Particle Systems Characterization, 2018, 35, 1800163.	2.3	32
36	Synergistic protective effect of a BN-carbon separator for highly stable lithium sulfur batteries. NPC Asia Materials, 2017, 9, e375-e375.	7.9	85

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37	Structure-designed synthesis of FeS ₂ @C yolk-shell nanoboxes as a high-performance anode for sodium-ion batteries. Energy and Environmental Science, 2017, 10, 1576-1580.	30.8	475
38	Etching a Core-Shell Box: A Novel Strategy to Synthesize Unique Yolk-Shelled Fe ₃ O ₄ @Carbon with an Ultralong Cycling Life for Lithium Storage. Advanced Energy Materials, 2016, 6, 1502318.	19.5	158
39	Sb@C coaxial nanotubes as a superior long-life and high-rate anode for sodium ion batteries. Energy and Environmental Science, 2016, 9, 2314-2318.	30.8	414
40	Electrospun porous lithium manganese phosphate-carbon nanofibers as a cathode material for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 17713-17720.	10.3	20
41	Electrospun Sn-doped LiTi ₂ (PO ₄) ₃ /C nanofibers for ultra-fast charging and discharging. Journal of Materials Chemistry A, 2015, 3, 10395-10402.	10.3	43
42	Facile synthesis of Au@palladium oxide nano-sunflowers for ultrasensitive surface-enhanced Raman scattering analysis. New Journal of Chemistry, 0, , .	2.8	0