

Shaohua Liu

List of Publications by Year in descending order

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62
papers

6,981
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182225

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citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Dual-Doped N/P Two-Dimensional Porous Carbon Nanosheets for High-Performance Alkaline Supercapacitors. <i>ACS Applied Energy Materials</i> , 2022, 5, 137-148.	2.5	11
2	Controlled Synthesis of Mesoporous Conjugated Polymer Nanoarchitectures as Anodes for Lithium-Ion Batteries. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100897.	2.0	4
3	Polypyrrole Cubosomes with Ordered Ultralarge Mesopore for Controllable Encapsulation and Release of Albumin. <i>Nano Letters</i> , 2022, 22, 3685-3690.	4.5	8
4	Highly Curved, Quasi-Single-Crystalline Mesoporous Metal Nanoplates Promote C-C Bond Cleavage in Ethanol Oxidation Electrocatalysis. <i>Advanced Materials</i> , 2022, 34, .	11.1	39
5	Nickel-Copper Alloy Nanoparticles Embedded in N-Doped Porous Carbon Nanosheets for Supercapacitors and Hydrogen Evolution Reaction. <i>ACS Applied Nano Materials</i> , 2022, 5, 9447-9459.	2.4	8
6	A Turn-on fluorescence perovskite sensor based on MAPbBr ₃ /mesoporous TiO ₂ for NH ₃ and amine vapor detections. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128918.	4.0	26
7	Nitrogen, phosphorus and sulfur tri-doped hollow carbon nanocapsules derived from core@shell zeolitic imidazolate framework@poly(cyclotriphosphazene-co-4-sulfonyldiphenol) for advanced supercapacitors. <i>Electrochimica Acta</i> , 2021, 367, 137507.	2.6	10
8	Soft template-mediated coupling construction of sandwiched mesoporous PPy/Ag nanoplates for rapid and selective NH ₃ sensing. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8308-8316.	5.2	18
9	Room temperature preparation of highly stable cesium lead halide perovskite nanocrystals by ligand modification for white light-emitting diodes. <i>Nano Research</i> , 2021, 14, 2770-2775.	5.8	28
10	Construction of a dual-core hollow waveguide for visible and mid-infrared light transmission based on PTFE tubing and UV gel. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	3
11	Nanoarchitected Porous Conducting Polymers: From Controlled Synthesis to Advanced Applications. <i>Advanced Materials</i> , 2021, 33, e2007318.	11.1	68
12	General synthesis of hollow mesoporous conducting polymers by dual-colloid interface co-assembly for high-energy-density micro-supercapacitors. <i>Journal of Energy Chemistry</i> , 2021, 62, 145-152.	7.1	21
13	Diblock copolymers directing construction of hierarchically porous metal-organic frameworks for enhanced-performance supercapacitors. <i>Nanotechnology</i> , 2021, 32, 165601.	1.3	7
14	Anomalous NH ₃ -Induced Resistance Enhancement in Halide Perovskite MAPbI ₃ Film and Gas Sensing Performance. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11339-11345.	2.1	8
15	Sandwich-like Nitrogen-Doped Porous Carbon Nanosheet/MnO ₂ Nanosheet Composites for Asymmetric Supercapacitors. <i>ACS Applied Nano Materials</i> , 2021, 4, 13896-13907.	2.4	12
16	Two-dimensional mesoporous sensing materials. <i>Chinese Chemical Letters</i> , 2020, 31, 521-524.	4.8	15
17	Fabrication of core@shell structural Fe-Fe ₂ O ₃ @PHCP nanochains with high saturation magnetization and abundant amino groups for hexavalent chromium adsorption and reduction. <i>Journal of Hazardous Materials</i> , 2020, 384, 121483.	6.5	77
18	One step electrochemical fabricating of the biomimetic graphene skins with superhydrophobicity and superoleophilicity for highly efficient oil-water separation. <i>Separation and Purification Technology</i> , 2020, 236, 116293.	3.9	33

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19	High performance tube sensor based on PANI/Eu ³⁺ nanofiber for low-volume NH ₃ detection. <i>Analytica Chimica Acta</i> , 2020, 1093, 115-122.	2.6	21
20	Hybrid supercapacitor based on graphene and Ni/Ni(OH) ₂ nanoparticles formed by a modified electrochemical exfoliation method. <i>Chemical Physics Letters</i> , 2020, 760, 138019.	1.2	12
21	General Construction of 2D Ordered Mesoporous Iron-Based Metal-Organic Nanomeshes. <i>Small</i> , 2020, 16, e2002701.	5.2	17
22	Controllably Engineering Mesoporous Surface and Dimensionality of SnO ₂ toward High-Performance CO ₂ Electroreduction. <i>Advanced Functional Materials</i> , 2020, 30, 2002092.	7.8	76
23	A flexible paper sensor based on polyaniline/germanium film for NH ₃ detection. <i>Materials Letters</i> , 2020, 278, 128438.	1.3	9
24	Pre-Polymerization Enables Controllable Synthesis of Nanosheet-Based Porphyrin Polymers towards High-Performance Li-Ion Batteries. <i>Chemistry - A European Journal</i> , 2020, 26, 10433-10438.	1.7	13
25	Block Copolymer-Directed Synthesis of Conjugated Polyimine Nanospheres with Multichambered Mesopores. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000061.	1.1	5
26	MnO ₂ nanosheets grown on N and P co-doped hollow carbon microspheres for high performance asymmetric supercapacitor. <i>Electrochimica Acta</i> , 2020, 354, 136681.	2.6	40
27	Hollow Bio-derived Polymer Nanospheres with Ordered Mesopores for Sodium-Ion Battery. <i>Nano-Micro Letters</i> , 2020, 12, 31.	14.4	19
28	Constructing polymers towards ultrathin nanosheets with dual mesopores and intrinsic photoactivity. <i>Chemical Communications</i> , 2020, 56, 3191-3194.	2.2	7
29	Magnetic hollow poly(cyclotriphosphazene-co-4,4'-sulfonyldiphenol)-Fe ₃ O ₄ hybrid nanocapsules for adsorbing Safranin T and catalytic oxidation of 3,3',5,5'-tetramethylbenzidine. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 278-291.	5.0	28
30	Engineering crystalline quasi-two-dimensional polyaniline thin film with enhanced electrical and chemiresistive sensing performances. <i>Nature Communications</i> , 2019, 10, 4225.	5.8	132
31	Sodium citrate doped polypyrrole/PS glass capillary tube sensor for ultra-small volume HCl gas detection. <i>RSC Advances</i> , 2019, 9, 36351-36357.	1.7	8
32	Soft-Template Construction of 3D Macroporous Polypyrrole Scaffolds. <i>Small</i> , 2017, 13, 1604099.	5.2	31
33	High Power In-Plane Micro-Supercapacitors Based on Mesoporous Polyaniline Patterned Graphene. <i>Small</i> , 2017, 13, 1603388.	5.2	58
34	Ultrafast Delamination of Graphite into High-Quality Graphene Using Alternating Currents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6669-6675.	7.2	134
35	An interfacial engineering approach towards two-dimensional porous carbon hybrids for high performance energy storage and conversion. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1567-1574.	5.2	22
36	Efficient hydrogen production on MoNi ₄ electrocatalysts with fast water dissociation kinetics. <i>Nature Communications</i> , 2017, 8, 15437.	5.8	813

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37	Tunable Self-Assembly of Diblock Copolymers into Colloidal Particles with Triply Periodic Minimal Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7135-7140.	7.2	117
38	Tunable Self-Assembly of Diblock Copolymers into Colloidal Particles with Triply Periodic Minimal Surfaces. <i>Angewandte Chemie</i> , 2017, 129, 7241-7246.	1.6	30
39	Ultraschnelle Schichtabl�sung von Graphit zu qualitativ hochwertigem Graphen durch Nutzung von Wechselstrom. <i>Angewandte Chemie</i> , 2017, 129, 6770-6776.	1.6	11
40	Efficient Electrochemical and Photoelectrochemical Water Splitting by a 3D Nanostructured Carbon Supported on Flexible Exfoliated Graphene Foil. <i>Advanced Materials</i> , 2017, 29, 1604480.	11.1	157
41	Immobilizing Molecular Metal Dithiolene-Diamine Complexes on 2D Metal-Organic Frameworks for Electrocatalytic H ₂ Production. <i>Chemistry - A European Journal</i> , 2017, 23, 2255-2260.	1.7	208
42	Self-Supporting Hierarchical Porous PtAg Alloy Nanotubular Aerogels as Highly Active and Durable Electrocatalysts. <i>Chemistry of Materials</i> , 2016, 28, 6477-6483.	3.2	81
43	Two-Dimensional Mesoscale-Ordered Conducting Polymers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12516-12521.	7.2	89
44	Dual-Template Synthesis of 2D Mesoporous Polypyrrole Nanosheets with Controlled Pore Size. <i>Advanced Materials</i> , 2016, 28, 8365-8370.	11.1	163
45	Two-Dimensional Mesoscale-Ordered Conducting Polymers. <i>Angewandte Chemie</i> , 2016, 128, 12704-12709.	1.6	21
46	Engineering water dissociation sites in MoS ₂ nanosheets for accelerated electrocatalytic hydrogen production. <i>Energy and Environmental Science</i> , 2016, 9, 2789-2793.	15.6	503
47	Synchronous exfoliation and assembly of graphene on 3D Ni(OH) ₂ for supercapacitors. <i>Chemical Communications</i> , 2016, 52, 13373-13376.	2.2	25
48	Interface Engineering of MoS ₂ /Ni ₃ S ₂ Heterostructures for Highly Enhanced Electrochemical Overall-Water-Splitting Activity. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6702-6707.	7.2	1,159
49	Interface Engineering of MoS ₂ /Ni ₃ S ₂ Heterostructures for Highly Enhanced Electrochemical Overall-Water-Splitting Activity. <i>Angewandte Chemie</i> , 2016, 128, 6814-6819.	1.6	403
50	Vertically oriented cobalt selenide/NiFe layered-double-hydroxide nanosheets supported on exfoliated graphene foil: an efficient 3D electrode for overall water splitting. <i>Energy and Environmental Science</i> , 2016, 9, 478-483.	15.6	774
51	Hierarchical Transition-Metal Dichalcogenide Nanosheets for Enhanced Electrocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2015, 27, 7426-7431.	11.1	123
52	Hard-templating of chiral TiO ₂ nanofibres with electron transition-based optical activity. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 054206.	2.8	13
53	Patterning two-dimensional free-standing surfaces with mesoporous conducting polymers. <i>Nature Communications</i> , 2015, 6, 8817.	5.8	193
54	Alternating Stacked Graphene-Conducting Polymer Compact Films with Ultrahigh Areal and Volumetric Capacitances for High-Energy Micro-Supercapacitors. <i>Advanced Materials</i> , 2015, 27, 4054-4061.	11.1	290

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55	Silicone surfactant templating for mesoporous silica@carbon complex. <i>Microporous and Mesoporous Materials</i> , 2013, 174, 62-66.	2.2	7
56	Synthesis of Enantiopure Carbonaceous Nanotubes with Optical Activity. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6858-6862.	7.2	71
57	Synthesis of chiral TiO ₂ nanofibre with electron transition-based optical activity. <i>Nature Communications</i> , 2012, 3, 1215.	5.8	149
58	Nanosheet-Constructed Porous TiO ₂ for Advanced Lithium Ion Batteries. <i>Advanced Materials</i> , 2012, 24, 3201-3204.	11.1	360
59	Monodispersed inorganic/organic hybrid spherical colloids: Versatile synthesis and their gas-triggered reversibly switchable wettability. <i>Journal of Materials Chemistry</i> , 2010, 20, 10001.	6.7	50
60	Optimal design and preparation of titania-supported CoPc using sol-gel for the photo-reduction of CO ₂ . <i>Chemical Engineering Journal</i> , 2009, 151, 134-140.	6.6	42
61	Characteristic analysis of transducer drive current in ultrasonic wire bonding process. , 2009, , .		0
62	Photocatalytic reduction of carbon dioxide using sol-gel derived titania-supported CoPc catalysts. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 695-700.	1.6	84