

Runwei Wang

List of Publications by Year in descending order

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75
papers

2,614
citations

236925

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189892

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76
all docs

76
docs citations

76
times ranked

3745
citing authors

#	ARTICLE	IF	CITATIONS
1	Cu ₂ O/CeO ₂ Photoelectrochemical Water Splitting: A Nanocomposite with an Efficient Interfacial Transmission Path under the Coaction of a Heterojunction and Micro-mesocrystals. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	7
2	Yolk-shell smart Pickering nanoreactors for base-free one-pot cascade Knoevenagel-hydrogenation with high catalytic efficiency in water. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1395-1405.	6.0	5
3	Functionalized Hierarchical ZSM-5 Zeolites for the Viscosity Reduction of Heavy Oil at Low Temperature. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 1083-1088.	2.6	6
4	Amorphous-to-Crystalline Transformation: General Synthesis of Hollow Structured Covalent Organic Frameworks with High Crystallinity. <i>Journal of the American Chemical Society</i> , 2022, 144, 6583-6593.	13.7	77
5	ZSM-5@Rh amphiphilic nanoreactor: Efficient reduction of nitrobenzene under mild conditions. <i>Inorganic Chemistry Communication</i> , 2022, 140, 109409.	3.9	0
6	Synthesize C@SiO ₂ with independent spaces produced from carbon slices by the confinement of the silica shell for toluene adsorption. <i>Microporous and Mesoporous Materials</i> , 2022, 341, 112084.	4.4	2
7	2D/2D Interface Engineering Promotes Charge Separation of Mo ₂ C/g-C ₃ N ₄ Nanojunction Photocatalysts for Efficient Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31782-31791.	8.0	30
8	In situ self-assembly of mesoporous Zn-Cd-Mo-S quaternary metal sulfides with double heterojunction synergistic charge transfer for boosting photocatalytic hydrogen production. <i>Journal of Alloys and Compounds</i> , 2022, 921, 166066.	5.5	10
9	Interface engineering of hierarchical photocatalyst for enhancing photoinduced charge transfers. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119632.	20.2	23
10	Photoactive amphiphilic nanoreactor: A chloroplast-like catalyst for natural oxidation of alcohols. <i>Chemical Engineering Journal</i> , 2021, 408, 127243.	12.7	4
11	Cytosine-Co assemblies derived Co _{Nx} rich Co-NCNT as efficient tri-functional electrocatalyst. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 276-286.	9.4	11
12	Salt of Organosilicon Framework as a Novel Emulsifier for Various Water-Oil Biphasic Systems and a Catalyst for Dibromination of Olefins in an Aqueous Medium. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33693-33703.	8.0	3
13	Dual metal nanoparticles within multicompartamentalized mesoporous organosilicas for efficient sequential hydrogenation. <i>Nature Communications</i> , 2021, 12, 4968.	12.8	43
14	Ultrasmall amphiphilic zeolitic nanoreactors for the aerobic oxidation of alcohols in water. <i>Nanoscale</i> , 2021, 13, 9229-9235.	5.6	1
15	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1295-1301.	13.8	344
16	Hollow Nano-mesoporous Silica Spheres Containing Rhodium Nanoparticles Supported on Nitrogen-Doped Carbon: An Efficient Catalyst for the Reduction of Nitroarenes under Mild Conditions. <i>ChemPlusChem</i> , 2020, 85, 247-253.	2.8	6
17	Water-in-salt electrolyte enhanced high voltage aqueous supercapacitor with carbon electrodes derived from biomass waste-ground grain hulls. <i>RSC Advances</i> , 2020, 10, 35545-35556.	3.6	28
18	Synthesis of narrow-band curled carbon nitride nanosheets with high specific surface area for hydrogen evolution from water splitting by low-temperature aqueous copolymerization to form copolymers. <i>RSC Advances</i> , 2020, 10, 28848-28855.	3.6	13

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19	Hemishell Zeolites Synthesized by Asymmetric Modification as Biphasic Nanoreactors with Tunable Amphiphilicity for Catalysis of Cascade Reactions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40684-40691.	8.0	11
20	Facile Formation of Anatase Nanoparticles on H-Titanate Nanotubes at Low Temperature for Efficient Visible Light-Driven Degradation of Organic Pollutants. <i>Catalysts</i> , 2020, 10, 695.	3.5	1
21	In Situ Self-Polymerization to Form Hollow Graphitized Carbon Nanocages with Embedded Cobalt Nanoparticles for High-Performance Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2020, 26, 13295-13304.	3.3	5
22	Solvent-free assembly of Co/Fe-containing MOFs derived N-doped mesoporous carbon nanosheets for ORR and HER. <i>Carbon</i> , 2019, 146, 671-679.	10.3	117
23	Tofu-derived nitrogen-doped mesoporous carbon materials as metal-free catalyst for oxygen reduction reaction. <i>Biomass Conversion and Biorefinery</i> , 2019, 9, 401-409.	4.6	10
24	Synthesis and Characterization of Cu Decorated Zeolite A@Void@Et-PMO Nanocomposites for Removal of Methylene Blue by a Heterogeneous Fenton Reaction. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 363-369.	2.6	4
25	Encapsulating mesoporous metal nanoparticles: towards a highly active and stable nanoreactor for oxidative coupling reactions in water. <i>Chemical Communications</i> , 2019, 55, 5898-5901.	4.1	13
26	An amphiphilic organosilicon framework (AOF): a new solid Pickering catalyst carrier. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1253-1260.	6.0	4
27	Surface-induced synthesis of hybrid N, P functionalized hierarchically porous carbon nanosheets for lithium-ion batteries. <i>Microporous and Mesoporous Materials</i> , 2019, 282, 197-204.	4.4	11
28	Synthesis of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ with Tunable Morphology Using L-Cysteine and Its Enhanced Lithium Storage Properties. <i>ChemPlusChem</i> , 2019, 84, 123-129.	2.8	4
29	Structure regulation of amino acids derived nitrogen doped porous carbon nanosheet through facile solid state assembly method. <i>Microporous and Mesoporous Materials</i> , 2019, 277, 36-44.	4.4	9
30	Well-controlled $\text{SrTiO}_3@\text{Mo}_2\text{C}$ core-shell nanofiber photocatalyst: Boosted photo-generated charge carriers transportation and enhanced catalytic performance for water reduction. <i>Nano Energy</i> , 2018, 47, 463-473.	16.0	189
31	Synthesis of novel $\text{Au}@\text{Void}@\text{Nb}_2\text{O}_5$ core-shell nanocomposites with enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2018, 47, 3400-3407.	3.3	16
32	Fabrication of 3D heteroatom-doped porous carbons from self-assembly of chelate foams via a solid state method. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 656-664.	6.0	13
33	Synthesis and Visible-light Photocatalytic Performance of C-doped Nb_2O_5 with High Surface Area. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 274-278.	2.6	4
34	Iodide-mediated templating synthesis of highly porous rhodium nanospheres for enhanced dehydrogenation of ammonia borane. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24166-24174.	10.3	26
35	Construction of an Fe, N and S-codoped ultra-thin carbon nanosheet superstructure for the oxygen reduction reaction. <i>Chemical Communications</i> , 2018, 54, 12974-12977.	4.1	25
36	Janus N-Doped Carbon@Silica Hollow Spheres as Multifunctional Amphiphilic Nanoreactors for Base-Free Aerobic Oxidation of Alcohols in Water. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33474-33483.	8.0	65

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37	Self-Assembly of Antisite Defectless nano-LiFePO ₄ @C/Reduced Graphene Oxide Microspheres for High-Performance Lithium-Ion Batteries. <i>ChemSusChem</i> , 2018, 11, 2255-2261.	6.8	25
38	Sustainable Synthesis of Hierarchically Porous Silicalite-1 Zeolite by Steam-assisted Crystallization of Solid Raw Materials Without Secondary Templates. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 350-357.	2.6	8
39	Facile Conversion of Radish to Nitrogen-Doped Mesoporous Carbon as Effective Metal-Free Oxygen Reduction Electrocatalysts. <i>ChemNanoMat</i> , 2018, 4, 954-963.	2.8	15
40	Designing nanographitic domains in N-doped porous carbon foam for high performance supercapacitors. <i>Carbon</i> , 2018, 139, 1152-1159.	10.3	60
41	Yolk-shell Fe ₃ O ₄ @SiO ₂ @PMO: amphiphilic magnetic nanocomposites as an adsorbent and a catalyst with high efficiency and recyclability. <i>Green Chemistry</i> , 2017, 19, 1336-1344.	9.0	59
42	Cobalt Phosphide Modified Titanium Oxide Nanophotocatalysts with Significantly Enhanced Photocatalytic Hydrogen Evolution from Water Splitting. <i>Small</i> , 2017, 13, 1603301.	10.0	132
43	A novel architecture of dandelion-like Mo ₂ C/TiO ₂ heterojunction photocatalysts towards high-performance photocatalytic hydrogen production from water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10591-10598.	10.3	113
44	Engineering growth defects: a new route towards hierarchical ZSM-5 zeolite with high-density intracrystalline mesopores. <i>CrystEngComm</i> , 2017, 19, 7088-7094.	2.6	12
45	In situ synthesis of concentric C@MoS ₂ core-shell nanospheres as anode for lithium ion battery. <i>Journal of Materials Science</i> , 2017, 52, 13183-13191.	3.7	22
46	Heterogeneous Nanostructure Based on 1T-Phase MoS ₂ for Enhanced Electrochemical Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25291-25297.	8.0	202
47	Watermelon-like Rh _x S _y @C nanospheres: phase evolution and its influence on the electrocatalytic performance for oxygen reduction reaction. <i>Journal of Materials Science</i> , 2017, 52, 11402-11412.	3.7	5
48	Three-Dimensional Porous Heterometallic-Organic Frameworks: Synthesis, Luminescent, Magnetic, Adsorption and Hydrogen Storage Properties. <i>Chinese Journal of Chemistry</i> , 2016, 34, 196-202.	4.9	10
49	High-efficiency hydrogen evolution reaction catalyzed by iron phosphide nanocrystals. <i>RSC Advances</i> , 2016, 6, 114430-114435.	3.6	16
50	Synthesis and properties of MFI zeolites with microporous, mesoporous and macroporous hierarchical structures by a gel-casting technique. <i>New Journal of Chemistry</i> , 2016, 40, 4398-4405.	2.8	25
51	Facile one pot synthesis of mesoporous organic-inorganic hybrid aluminosilicate spheres with ultra-high aluminium contents and their enhanced adsorption behavior for methylene blue. <i>RSC Advances</i> , 2016, 6, 49551-49555.	3.6	3
52	A novel and highly efficient earth-abundant Cu ₃ P with TiO ₂ heterojunction nanophotocatalyst for hydrogen evolution from water. <i>Nanoscale</i> , 2016, 8, 17516-17523.	5.6	110
53	Solvent-free synthesis of nanosized hierarchical sodalite zeolite with a multi-hollow polycrystalline structure. <i>CrystEngComm</i> , 2016, 18, 6779-6783.	2.6	12
54	Cadmium Sulfide and Nickel Synergetic Co-catalysts Supported on Graphitic Carbon Nitride for Visible-Light-Driven Photocatalytic Hydrogen Evolution. <i>Scientific Reports</i> , 2016, 6, 22268.	3.3	92

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55	One-dimensional periodic mesoporous organosilica helical nanotubes with amphiphilic properties for the removal of contaminants from water. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4145-4154.	10.3	34
56	Facile Synthesis of Yolk/Core-Shell Structured TS-1@Mesosilica Composites for Enhanced Hydroxylation of Phenol. <i>Catalysts</i> , 2015, 5, 2134-2146.	3.5	13
57	Syntheses, characterizations, and catalytic activities of mesostructured aluminophosphates with tailorable acidity assembled with various preformed zeolite nanoclusters. <i>Journal of Porous Materials</i> , 2015, 22, 529-536.	2.6	0
58	Design and synthesis of high performance LiFePO ₄ /C nanomaterials for lithium ion batteries assisted by a facile H ⁺ /Li ⁺ ion exchange reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8062-8069.	10.3	24
59	A one-step carbonization route towards nitrogen-doped porous carbon hollow spheres with ultrahigh nitrogen content for CO ₂ adsorption. <i>Chemical Communications</i> , 2015, 51, 12423-12426.	4.1	69
60	Fast synthesis of submicron aluminosilicate (low silica/alumina ratio) zeolites under solventless microwave radiation. <i>RSC Advances</i> , 2015, 5, 95463-95466.	3.6	8
61	Amphiphilic hollow porous shell encapsulated Au@Pd bimetal nanoparticles for aerobic oxidation of alcohols in water. <i>Chemical Communications</i> , 2015, 51, 14601-14604.	4.1	44
62	A novel, efficient and facile method for the template removal from mesoporous materials. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 894-899.	2.6	8
63	N-Methyl-2-pyrrolidone assisted synthesis of hierarchical ZSM-5 with house-of-cards-like structure. <i>RSC Advances</i> , 2014, 4, 21301-21305.	3.6	25
64	An organosilane-directed growth-induced etching strategy for preparing hollow/yolk-shell mesoporous organosilica nanospheres with perpendicular mesochannels and amphiphilic frameworks. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12403-12412.	10.3	75
65	Ternary solid nano organic/inorganic composite of lanthanum with acetic acid and curcumin/hydroxyapatite and its antibacterial activity. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 352-355.	2.6	6
66	Hydrothermal synthesis of single-crystalline mesoporous beta zeolite assisted by N-methyl-2-pyrrolidone. <i>RSC Advances</i> , 2014, 4, 39297-39300.	3.6	7
67	Synthesis of Cu ₂ (OH)PO ₄ Crystals with Various Morphologies and Their Catalytic Activity in Hydroxylation of Phenol. <i>Chemistry Letters</i> , 2013, 42, 772-774.	1.3	4
68	Magnetic mesoporous carbon for efficient removal of organic pollutants. <i>Adsorption</i> , 2012, 18, 439-444.	3.0	20
69	Direct Synthetic Processes for Cyclic Carbonates from Olefins and CO ₂ . <i>Catalysis Surveys From Asia</i> , 2011, 15, 49-54.	2.6	30
70	Mesoporous MFI zeolites with self-stacked morphology templated by cationic polymer. <i>Chemical Communications</i> , 2010, 46, 7418.	4.1	30
71	In Situ Synthesis, Characterization of SiPMo-X, and Different Catalytic Properties of SiPMo-X and SiPW-X. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3054-3060.	2.0	26
72	Synthesis, Characterization, and Catalytic Properties of SiPW-X Mesoporous Silica with Heteropolyacid Encapsulated into Their Framework. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 4801-4807.	2.0	43

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73	Synthesis of Higher Aluminum Content Hexagonal and Cubic Mesoporous Aluminosilicates toward Catalysts. Topics in Catalysis, 2005, 35, 25-34.	2.8	2
74	Template-Assisted self-Assembly of macro-micro bifunctional porous materials. Journal of Materials Chemistry, 2001, 11, 1687-1693.	6.7	61
75	Title is missing!. Catalysis Letters, 2001, 76, 105-109.	2.6	24