

Kui Shen

List of Publications by Year in descending order

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44
papers

5,732
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126858

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243529

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6864
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel fusiform core-shell-MOF derived intact metal@carbon composite: An efficient cathode catalyst for aqueous and solid-state Zn-air batteries. <i>Journal of Energy Chemistry</i> , 2022, 64, 385-394.	7.1	50
2	Heterogenizing homogeneous cocatalysts by well-designed hollow MOF-based nanoreactors for efficient and size-selective CO ₂ fixation. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121163.	10.8	28
3	Ultrathin Nanosheet Assembled Multishelled Superstructures for Photocatalytic CO ₂ Reduction. <i>ACS Nano</i> , 2022, 16, 4517-4527.	7.3	49
4	Scalable synthesis of multi-shelled hollow N-doped carbon nanosheet arrays with confined Co/CoP heterostructures from MOFs for pH-universal hydrogen evolution reaction. <i>Science China Chemistry</i> , 2022, 65, 619-629.	4.2	26
5	Main-Group Metal Single-Atomic Regulators in Dual-Metal Catalysts for Enhanced Electrochemical CO ₂ Reduction. <i>Small</i> , 2022, 18, e2201391.	5.2	39
6	Growth Pattern Control and Nanoarchitecture Engineering of Metal-Organic Framework Single Crystals by Confined Space Synthesis. <i>ACS Central Science</i> , 2022, 8, 718-728.	5.3	30
7	N-doped nanocarbon embedded in hierarchically porous metal-organic frameworks for highly efficient CO ₂ fixation. <i>Science China Chemistry</i> , 2022, 65, 1411-1419.	4.2	15
8	Controllable Synthesis of Ultrathin Defect-Rich LDH Nanoarrays Coupled with MOF-Derived Co-NC Microarrays for Efficient Overall Water Splitting. <i>Small</i> , 2022, 18, .	5.2	54
9	Hierarchically porous Fe,N-doped carbon nanorods derived from 1D Fe-doped MOFs as highly efficient oxygen reduction electrocatalysts in both alkaline and acidic media. <i>Nanoscale</i> , 2021, 13, 10500-10508.	2.8	28
10	Multienzyme-Mimic Ultrafine Alloyed Nanoparticles in Metal Organic Frameworks for Enhanced Chemodynamic Therapy. <i>Small</i> , 2021, 17, e2005865.	5.2	74
11	Ordered Macroporous Carbonous Frameworks Implanted with CdS Quantum Dots for Efficient Photocatalytic CO ₂ Reduction. <i>Advanced Materials</i> , 2021, 33, e2102690.	11.1	164
12	Electrochemical synthesis of amorphous metal hydroxide microarrays with rich defects from MOFs for efficient electrocatalytic water oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120174.	10.8	64
13	Facile Synthesis of Boron and Nitrogen Dual-Doped Hollow Mesoporous Carbons for Efficient Reduction of 4-Nitrophenol. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42598-42604.	4.0	22
14	MOF-Assisted Synthesis of Highly Mesoporous Cr ₂ O ₃ /SiO ₂ Nanohybrids for Efficient Lewis-Acid-Catalyzed Reactions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48691-48699.	4.0	14
15	Imaging the node-linker coordination in the bulk and local structures of metal-organic frameworks. <i>Nature Communications</i> , 2020, 11, 2692.	5.8	82
16	Metal-Organic Frameworks as a Good Platform for the Fabrication of Single-Atom Catalysts. <i>ACS Catalysis</i> , 2020, 10, 6579-6586.	5.5	240
17	Multishell Hollow Metal/Nitrogen/Carbon Dodecahedrons with Precisely Controlled Architectures and Synergistically Enhanced Catalytic Properties. <i>ACS Nano</i> , 2019, 13, 7800-7810.	7.3	143
18	MOF-Derived Isolated Fe Atoms Implanted in N-Doped 3D Hierarchical Carbon as an Efficient ORR Electrocatalyst in Both Alkaline and Acidic Media. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25976-25985.	4.0	196

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19	General Immobilization of Ultrafine Alloyed Nanoparticles within Metal-Organic Frameworks with High Loadings for Advanced Synergetic Catalysis. ACS Central Science, 2019, 5, 176-185.	5.3	75
20	Phase-controllable synthesis of MOF-templated maghemite-carbonaceous composites for efficient photocatalytic hydrogen production. Journal of Materials Chemistry A, 2018, 6, 3571-3582.	5.2	42
21	Ordered macro-microporous metal-organic framework single crystals. Science, 2018, 359, 206-210.	6.0	836
22	Nanoreactor of MOF-Derived Yolk-Shell Co@N: Precisely Controllable Structure and Enhanced Catalytic Activity. ACS Catalysis, 2018, 8, 1417-1426.	5.5	279
23	A high-valent di- μ -oxo dimanganese complex covalently anchored in a metal-organic framework as a highly efficient and recoverable water oxidation catalyst. Chemical Communications, 2018, 54, 4188-4191.	2.2	9
24	Solvent-Driven Selectivity Control to Either Anilines or Dicyclohexylamines in Hydrogenation of Nitroarenes over a Bifunctional Pd/MIL-101 Catalyst. ACS Catalysis, 2018, 8, 10641-10648.	5.5	51
25	Encapsulation of N-decorated metal sub-nanoclusters/single atoms into a metal-organic framework for highly efficient catalysis. Chemical Science, 2018, 9, 8962-8968.	3.7	27
26	Self-Templated Formation of Pt@ZIF ₈ /SiO ₂ Composite with 3D-Ordered Macropores and Size-Selective Catalytic Properties. Small Methods, 2018, 2, 1800219.	4.6	34
27	Fabricating sandwich-shelled ZnCdS/ZnO/ZnCdS dodecahedral cages with π -conjugated Z-scheme photocatalysts for highly efficient hydrogen production. Journal of Materials Chemistry A, 2018, 6, 19631-19642.	5.2	106
28	Multi-Level Architecture Optimization of MOF-Templated Co-Based Nanoparticles Embedded in Hollow N-Doped Carbon Polyhedra for Efficient OER and ORR. ACS Catalysis, 2018, 8, 7879-7888.	5.5	394
29	Hollow-ZIF-templated formation of a ZnO@N-Co core-shell nanostructure for highly efficient pollutant photodegradation. Journal of Materials Chemistry A, 2017, 5, 9937-9945.	5.2	143
30	Greening the Processes of Metal-Organic Framework Synthesis and their Use in Sustainable Catalysis. ChemSusChem, 2017, 10, 3165-3187.	3.6	132
31	Highly selective hydrogenation of phenol to cyclohexanol over MOF-derived non-noble Co-Ni@NC catalysts. Chemical Engineering Science, 2017, 166, 66-76.	1.9	90
32	Seed-induced and additive-free synthesis of oriented nanorod-assembled meso/macroporous zeolites: toward efficient and cost-effective catalysts for the MTA reaction. Catalysis Science and Technology, 2017, 7, 5143-5153.	2.1	26
33	Rational design of hollow N/Co-doped carbon spheres from bimetal-ZIFs for high-efficiency electrocatalysis. Chemical Engineering Journal, 2017, 330, 736-745.	6.6	97
34	Bifunctional N-Doped Co@C Catalysts for Base-Free Transfer Hydrogenations of Nitriles: Controllable Selectivity to Primary Amines vs Imines. ACS Catalysis, 2017, 7, 275-284.	5.5	151
35	Development of MOF-Derived Carbon-Based Nanomaterials for Efficient Catalysis. ACS Catalysis, 2016, 6, 5887-5903.	5.5	1,077
36	Multimetal-MOF-derived transition metal alloy NPs embedded in an N-doped carbon matrix: highly active catalysts for hydrogenation reactions. Journal of Materials Chemistry A, 2016, 4, 10254-10262.	5.2	127

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37	Bayberry-like ZnO/MFI zeolite as high performance methanol-to-aromatics catalyst. Chemical Communications, 2016, 52, 2011-2014.	2.2	77
38	MOFs-Templated Co@Pd Core-Shell NPs Embedded in N-Doped Carbon Matrix with Superior Hydrogenation Activities. ACS Catalysis, 2015, 5, 5264-5271.	5.5	198
39	One-pot Synthesis of Ordered Mesoporous NiCeAl Oxide Catalysts and a Study of Their Performance in Methane Dry Reforming. ChemCatChem, 2014, 6, 1470-1480.	1.8	38
40	Centrifugation-free and high yield synthesis of nanosized H-ZSM-5 and its structure-guided aromatization of methanol to 1,2,4-trimethylbenzene. Journal of Materials Chemistry A, 2014, 2, 19797-19808.	5.2	76
41	Atmospheric pressure synthesis of nanosized ZSM-5 with enhanced catalytic performance for methanol to aromatics reaction. Catalysis Science and Technology, 2014, 4, 3840-3844.	2.1	72
42	Preparation and characterization of a plasma treated NiMgSBA-15 catalyst for methane reforming with CO ₂ to produce syngas. Catalysis Science and Technology, 2013, 3, 2278.	2.1	94
43	Direct synthesis of c-axis oriented ZSM-5 nanoneedles from acid-treated kaolin clay. Journal of Materials Chemistry A, 2013, 1, 3272.	5.2	53
44	Fabrication of c-axis Oriented ZSM-5 Hollow Fibers Based on an in Situ Solid-Solid Transformation Mechanism. Journal of the American Chemical Society, 2013, 135, 15322-15325.	6.6	110