Kui Shen

List of Publications by Year
in descending order

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44	5,732	126907	243625
papers	citations	33	44
		h-index	g-index

44	44	44	6864
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of MOF-Derived Carbon-Based Nanomaterials for Efficient Catalysis. ACS Catalysis, 2016, 6, 5887-5903.	11.2	1,077
2	Ordered macro-microporous metal-organic framework single crystals. Science, 2018, 359, 206-210.	12.6	836
3	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.	11.2	394
4	Nanoreactor of MOF-Derived Yolkâ€“Shell Co@Câ€“N: Precisely Controllable Structure and Enhanced Catalytic Activity. ACS Catalysis, 2018, 8, 1417-1426.	11.2	279
5	Metalâ€“Organic Frameworks as a Good Platform for the Fabrication of Single-Atom Catalysts. ACS Catalysis, 2020, 10, 6579-6586.	11.2	240
6	MOFs-Templated Co@Pd Coreâ€“Shell NPs Embedded in N-Doped Carbon Matrix with Superior Hydrogenation Activities. ACS Catalysis, 2015, 5, 5264-5271.	11.2	198
7	MOF-Derived Isolated Fe Atoms Implanted in N-Doped 3D Hierarchical Carbon as an Efficient ORR Electrocatalyst in Both Alkaline and Acidic Media. ACS Applied Materials & Interfaces, 2019, 11, 25976-25985.	8.0	196
8	Ordered Macroporous Carbonous Frameworks Implanted with CdS Quantum Dots for Efficient Photocatalytic CO₂ Reduction. Advanced Materials, 2021, 33, e2102690.	21.0	164
9	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.	11.2	151
10	Hollow-ZIF-templated formation of a ZnO@Câ€“Nâ€“Co coreâ€“shell nanostructure for highly efficient pollutant photodegradation. Journal of Materials Chemistry A, 2017, 5, 9937-9945.	10.3	143
11	Multishell Hollow Metal/Nitrogen/Carbon Dodecahedrons with Precisely Controlled Architectures and Synergistically Enhanced Catalytic Properties. ACS Nano, 2019, 13, 7800-7810.	14.6	143
12	Greening the Processes of Metalâ€“Organic Framework Synthesis and their Use in Sustainable Catalysis. ChemSusChem, 2017, 10, 3165-3187.	6.8	132
13	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.	10.3	127
14	Fabrication of c-Axis Oriented ZSM-5 Hollow Fibers Based on an in Situ Solidâ€“Solid Transformation Mechanism. Journal of the American Chemical Society, 2013, 135, 15322-15325.	13.7	110
15	Fabricating sandwich-shelled ZnCdS/ZnO/ZnCdS dodecahedral cages with â€œone stoneâ€•as Z-scheme photocatalysts for highly efficient hydrogen production. Journal of Materials Chemistry A, 2018, 6, 19631-19642.	10.3	106
16	Rational design of hollow N/Co-doped carbon spheres from bimetal-ZIFs for high-efficiency electrocatalysis. Chemical Engineering Journal, 2017, 330, 736-745.	12.7	97
17	Preparation and characterization of a plasma treated NiMgSBA-15 catalyst for methane reforming with CO2 to produce syngas. Catalysis Science and Technology, 2013, 3, 2278.	4.1	94
18	Highly selective hydrogenation of phenol to cyclohexanol over MOF-derived non-noble Co-Ni@NC catalysts. Chemical Engineering Science, 2017, 166, 66-76.	3.8	90

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19	Imaging the node-linker coordination in the bulk and local structures of metal-organic frameworks. Nature Communications, 2020, 11, 2692.	12.8	82
20	Bayberry-like ZnO/MFI zeolite as high performance methanol-to-aromatics catalyst. Chemical Communications, 2016, 52, 2011-2014.	4.1	77
21	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.	10.3	76
22	General Immobilization of Ultrafine Alloyed Nanoparticles within Metalâ€“Organic Frameworks with High Loadings for Advanced Synergetic Catalysis. ACS Central Science, 2019, 5, 176-185.	11.3	75
23	Multienzymeâ€Mimic Ultrafine Alloyed Nanoparticles in Metal Organic Frameworks for Enhanced Chemodynamic Therapy. Small, 2021, 17, e2005865.	10.0	74
24	Atmospheric pressure synthesis of nanosized ZSM-5 with enhanced catalytic performance for methanol to aromatics reaction. Catalysis Science and Technology, 2014, 4, 3840-3844.	4.1	72
25	Electrochemical synthesis of amorphous metal hydroxide microarrays with rich defects from MOFs for efficient electrocatalytic water oxidation. Applied Catalysis B: Environmental, 2021, 292, 120174.	20.2	64
26	Controllable Synthesis of Ultrathin Defectâ€Rich LDH Nanoarrays Coupled with MOFâ€Derived Coâ€NC Microarrays for Efficient Overall Water Splitting. Small, 2022, 18, .	10.0	54
27	Direct synthesis of c-axis oriented ZSM-5 nanoneedles from acid-treated kaolin clay. Journal of Materials Chemistry A, 2013, 1, 3272.	10.3	53
28	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.	11.2	51
29	Novel fusiform core-shell-MOF derived intact metal@carbon composite: An efficient cathode catalyst for aqueous and solid-state Zn-air batteries. Journal of Energy Chemistry, 2022, 64, 385-394.	12.9	50
30	Ultrathin Nanosheet Assembled Multishelled Superstructures for Photocatalytic CO₂ Reduction. ACS Nano, 2022, 16, 4517-4527.	14.6	49
31	Phase-controllable synthesis of MOF-templated maghemiteâ€“carbonaceous composites for efficient photocatalytic hydrogen production. Journal of Materials Chemistry A, 2018, 6, 3571-3582.	10.3	42
32	Mainâ€Group Metal Singleâ€Atomic Regulators in Dualâ€Metal Catalysts for Enhanced Electrochemical CO₂ Reduction. Small, 2022, 18, e2201391.	10.0	39
33	Oneâ€pot Synthesis of Ordered Mesoporous NiCeAl Oxide Catalysts and a Study of Their Performance in Methane Dry Reforming. ChemCatChem, 2014, 6, 1470-1480.	3.7	38
34	Selfâ€Templated Formation of Pt@ZIFâ€8/SiO₂ Composite with 3Dâ€Ordered Macropores and Sizeâ€Selective Catalytic Properties. Small Methods, 2018, 2, 1800219.	8.6	34
35	Growth Pattern Control and Nanoarchitecture Engineering of Metalâ€“Organic Framework Single Crystals by Confined Space Synthesis. ACS Central Science, 2022, 8, 718-728.	11.3	30
36	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. Nanoscale, 2021, 13, 10500-10508.	5.6	28

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37	Heterogenizing homogeneous cocatalysts by well-designed hollow MOF-based nanoreactors for efficient and size-selective CO2 fixation. Applied Catalysis B: Environmental, 2022, 307, 121163.	20.2	28
38	Encapsulation of Câ€“N-decorated metal sub-nanoclusters/single atoms into a metalâ€“organic framework for highly efficient catalysis. Chemical Science, 2018, 9, 8962-8968.	7.4	27
39	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.	4.1	26
40	Scalable synthesis of multi-shelled hollow N-doped carbon nanosheet arrays with confined Co/CoP heterostructures from MOFs for pH-universal hydrogen evolution reaction. Science China Chemistry, 2022, 65, 619-629.	8.2	26
41	Facile Synthesis of Boron and Nitrogen Dual-Doped Hollow Mesoporous Carbons for Efficient Reduction of 4-Nitrophenol. ACS Applied Materials & Interfaces, 2021, 13, 42598-42604.	8.0	22
42	N-doped nanocarbon embedded in hierarchically porous metal-organic frameworks for highly efficient CO2 fixation. Science China Chemistry, 2022, 65, 1411-1419.	8.2	15
43	MOF-Assisted Synthesis of Highly Mesoporous Cr₂O₃/SiO₂ Nanohybrids for Efficient Lewis-Acid-Catalyzed Reactions. ACS Applied Materials & Interfaces, 2020, 12, 48691-48699.	8.0	14
44	A high-valent di-Î¼-oxo dimanganese complex covalently anchored in a metalâ€“organic framework as a highly efficient and recoverable water oxidation catalyst. Chemical Communications, 2018, 54, 4188-4191.	4.1	9