

# Maocong Hu

## List of Publications by Year in descending order

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35  
papers

1,265  
citations

394390

19  
h-index

361001

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1994  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of undergraduate chemical engineering curricula between China and America Universities based on statistical analysis. <i>Education for Chemical Engineers</i> , 2022, 38, 55-59.	4.8	14
2	Photocatalytic reduction of CO <sub>2</sub> with H <sub>2</sub> O vapor into solar fuels over Ni modified porous In <sub>2</sub> O <sub>3</sub> nanosheets. <i>Catalysis Today</i> , 2021, 374, 44-52.	4.4	18
3	Mechanistic insights into NO <sub>x</sub> /H <sub>2</sub> reaction over Pt/boron-doped graphene catalyst. <i>Journal of Hazardous Materials</i> , 2021, 406, 124327.	12.4	8
4	N <sub>8</sub> stabilized single-atom Pd for highly selective hydrogenation of acetylene. <i>Journal of Catalysis</i> , 2021, 395, 46-53.	6.2	16
5	Graphene oxide-assisted fast synthesis of hierarchical ZSM-11 with superior performance for benzene alkylation. <i>Chemical Engineering Journal</i> , 2021, 425, 131598.	12.7	8
6	Rational Synthesis of Polymeric Nitrogen N <sub>8</sub> with Ultraviolet Irradiation and Its Oxygen Reduction Reaction Mechanism Study with In Situ Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy. <i>ACS Catalysis</i> , 2021, 11, 13034-13040.	11.2	3
7	A chemical approach for ultrafast synthesis of SAPO-n molecular sieves. <i>Chemical Engineering Journal</i> , 2020, 381, 122759.	12.7	19
8	A 3D Carbon Foam Derived from Phenol Resin via CsCl Soft-Templating Approach for High-Performance Supercapacitor. <i>Energy Technology</i> , 2020, 8, 1901301.	3.8	14
9	N <sub>8</sub> Polynitrogen Stabilized on Boron-Doped Graphene as Metal-Free Electrocatalysts for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2020, 10, 160-167.	11.2	49
10	N <sub>8</sub> Polynitrogen Stabilized on Nitrogen-Doped Carbon Nanotubes as an Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>Catalysts</i> , 2020, 10, 864.	3.5	6
11	Vacancy induced photocatalytic activity of La doped In(OH) <sub>3</sub> for CO <sub>2</sub> reduction with water vapor. <i>Catalysis Science and Technology</i> , 2020, 10, 2893-2904.	4.1	34
12	In-vacancy engineered plate-like In(OH) <sub>3</sub> for effective photocatalytic reduction of CO <sub>2</sub> with H <sub>2</sub> O vapor. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 77-87.	20.2	74
13	Nano-sized plate-like alumina synthesis via solution combustion. <i>Ceramics International</i> , 2019, 45, 9919-9925.	4.8	12
14	One-step approach for fabrication of 3D porous carbon/graphene composites as supercapacitor electrode materials. <i>Catalysis Today</i> , 2019, 330, 228-239.	4.4	27
15	Template-free synthesis of highly selective amorphous aluminosilicate catalyst for toluene alkylation. <i>Applied Catalysis A: General</i> , 2018, 556, 155-159.	4.3	3
16	A catalytic hydrocracking approach for zeolite detemplation at mild condition. <i>Chemical Engineering Journal</i> , 2018, 346, 600-605.	12.7	18
17	Catalytic combustion of volatile organic compounds on pillared interlayered clay (PILC)-based catalysts. <i>Current Opinion in Chemical Engineering</i> , 2018, 20, 93-98.	7.8	30
18	Hydrogen production from organic fatty acids using carbon-doped TiO <sub>2</sub> nanoparticles under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4335-4346.	7.1	20

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19	Enhancement mechanism of hydroxyapatite for photocatalytic degradation of gaseous formaldehyde over TiO <sub>2</sub> /hydroxyapatite. Journal of the Taiwan Institute of Chemical Engineers, 2018, 85, 91-97.	5.3	36
20	Boron-doped graphene nanosheet-supported Pt: a highly active and selective catalyst for low temperature H <sub>2</sub> -SCR. Nanoscale, 2018, 10, 10203-10212.	5.6	29
21	Structure and Thermal Stability of (H <sub>2</sub> O) <sub>4</sub> Tetrahedron and (H <sub>2</sub> O) <sub>6</sub> Hexagon Adsorbed on NaY Zeolite Studied by Synchrotron-Based Time-Resolved X-ray Diffraction. Industrial & Engineering Chemistry Research, 2018, 57, 4988-4995.	3.7	5
22	Highly effective hydrodeoxygenation of guaiacol on Pt/TiO <sub>2</sub> : Promoter effects. Catalysis Today, 2018, 302, 136-145.	4.4	52
23	Catalytic reduction for water treatment. Frontiers of Environmental Science and Engineering, 2018, 12, 1.	6.0	43
24	Facile synthesis of efficient and selective Ti-containing mesoporous silica catalysts for toluene oxidation. Molecular Catalysis, 2018, 444, 34-41.	2.0	19
25	Pd Nanoparticle Catalysts Supported on Nitrogen-Functionalized Activated Carbon for Oxyanion Hydrogenation and Water Purification. ACS Applied Nano Materials, 2018, 1, 6580-6586.	5.0	10
26	Highly Oriented Thin Membrane Fabrication with Hierarchically Porous Zeolite Seed. Crystal Growth and Design, 2018, 18, 4544-4554.	3.0	13
27	Significant Enhancement of Photocatalytic Reduction of CO <sub>2</sub> with H <sub>2</sub> O over ZnO by the Formation of Basic Zinc Carbonate. Langmuir, 2017, 33, 6667-6676.	3.5	105
28	Improvement of hydrodeoxygenation stability of nickel phosphide based catalysts by silica modification as structural promoter. Fuel, 2017, 204, 144-151.	6.4	24
29	Graphene-Based Nanomaterials for Catalysis. Industrial & Engineering Chemistry Research, 2017, 56, 3477-3502.	3.7	234
30	Novel mechanistic view of catalytic ozonation of gaseous toluene by dual-site kinetic modelling. Chemical Engineering Journal, 2017, 308, 710-718.	12.7	42
31	Characterization techniques for graphene-based materials in catalysis. AIMS Materials Science, 2017, 4, 755-788.	1.4	52
32	Enhancement of Nitrite Reduction Kinetics on Electrospun Pd-Carbon Nanomaterial Catalysts for Water Purification. ACS Applied Materials & Interfaces, 2016, 8, 17739-17744.	8.0	32
33	Ru-Co(III)-Cu(II)/SAC catalyst for acetylene hydrochlorination. Applied Catalysis B: Environmental, 2016, 189, 56-64.	20.2	83
34	Effect of N <sub>3</sub> species on selective acetylene hydrogenation over Pd/SAC catalysts. Catalysis Today, 2016, 263, 98-104.	4.4	17
35	Role of graphene in MnO <sub>2</sub> /graphene composite for catalytic ozonation of gaseous toluene. Chemical Engineering Journal, 2014, 254, 237-244.	12.7	96