Weiping Huang

List of Publications by Year
in descending order

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79 papers	2,052 citations	279487 23 h-index	253896 43 g-index
80 all docs	80 docs citations	80 times ranked	3013 citing authors

#	Article	IF	Citations
1	Hierarchically Porous ZnO Architectures for Gas Sensor Application. Crystal Growth and Design, 2009, 9, 3532-3537.	1.4	321
2	Synthesis, Characterization of Fe-doped TiO2 Nanotubes with High Photocatalytic Activity. Catalysis Letters, 2009, 129, 513-518.	1.4	138
3	CuO nanoparticle decorated ZnO nanorod sensor for low-temperature H2S detection. Materials Science and Engineering C, 2012, 32, 2079-2085.	3.8	127
4	Synthesis, characterization of Cr-doped TiO2 nanotubes with high photocatalytic activity. Journal of Nanoparticle Research, 2008, 10, 871-875.	0.8	97
5	Title is missing!. Catalysis Letters, 2002, 80, 41-46.	1.4	83
6	Comparison of CuO/Ce0.8Zr0.2O2 and CuO/CeO2 Catalysts for Low-temperature CO Oxidation. Catalysis Letters, 2005, 105, 163-168.	1.4	76
7	Superhydrophobic Particles Derived from Nature-Inspired Polyphenol Chemistry for Liquid Marble Formation and Oil Spills Treatment. ACS Sustainable Chemistry and Engineering, 2016, 4, 676-681.	3.2	62
8	Selective hydrogenation of furfural to furfuryl alcohol over catalysts prepared via sonochemistry. Ultrasonics Sonochemistry, 2007, 14, 67-74.	3.8	61
9	Preparation, Characterization and Photocatalytic Activities of F-doped TiO2Nanotubes. Catalysis Letters, 2008, 121, 165-171.	1.4	61
10	High-Performance, Scalable, and Low-Cost Copper Hydroxyapatite for Photothermal CO2 Reduction. ACS Catalysis, 2020, 10, 13668-13681.	5.5	55
11	Synthesis, characterization of B-doped TiO2 nanotubes with high photocatalytic activity. Journal of Sol-Gel Science and Technology, 2010, 53, 535-541.	1.1	48
12	Synthesis and Characterization of Thermally Stable Nanotubular TiO₂ and Its Photocatalytic Activity. Journal of Physical Chemistry C, 2008, 112, 18772-18775.	1.5	46
13	Au-functionalized porous ZnO microsheets and their enhanced gas sensing properties. New Journal of Chemistry, 2014, 38, 2530.	1.4	40
14	Characterization of V2O5/MoO3 composite photocatalysts prepared via electrospinning and their photodegradation activity for dimethyl phthalate. Chinese Journal of Catalysis, 2015, 36, 2194-2202.	6.9	36
15	High efficiency and stability of Auâ€“Cu/hydroxyapatite catalyst for the oxidation of carbon monoxide. RSC Advances, 2017, 7, 45420-45431.	1.7	36
16	CO oxidation over Cu₂O deposited on 2D continuous lamellar g-C₃N₄. New Journal of Chemistry, 2015, 39, 6642-6648.	1.4	34
17	Synthesis, Characterization, and Photocatalytic Activity of Nâ€Doped TiO2Nanotubes. Journal of Dispersion Science and Technology, 2008, 29, 245-249.	1.3	32
18	Propane Dehydrogenation Over PtSn Catalysts Supported on ZnO-Modified MgAl2O4. Catalysis Letters, 2009, 132, 472-479.	1.4	29

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19	g-C₃N₄ supported metal (Pd, Ag, Pt) catalysts for hydrogen-production from formic acid. New Journal of Chemistry, 2018, 42, 9449-9454.	1.4	28
20	Iron-coated TiO2nanotubes and their photocatalytic performance. Journal of Materials Chemistry, 2010, 20, 603-610.	6.7	26
21	Comparative Study on Catalytic Performances for Low-temperature CO Oxidation of Cuâ€“Ceâ€“O and Cuâ€“Coâ€“Ceâ€“O Catalysts. Catalysis Letters, 2008, 124, 405-412.	1.4	25
22	The Preparation and Characterization of La Doped TiO2Nanotubes and Their Photocatalytic Activity. Journal of Dispersion Science and Technology, 2010, 31, 1311-1316.	1.3	25
23	Enhanced CO catalytic oxidation over an Auâ€“Pt alloy supported on TiO₂ nanotubes: investigation of the hydroxyl and Au/Pt ratio influences. Catalysis Science and Technology, 2018, 8, 6109-6122.	2.1	25
24	The preparation of Au/CeO2 catalysts and their activities for low-temperature CO oxidation. Catalysis Letters, 2006, 112, 115-119.	1.4	23
25	Synthesis and catalytic performance of gold-loaded TiO2 nanofibers. Catalysis Letters, 2007, 118, 55-58.	1.4	23
26	Nanotubular TiO2-supported amorphous Coâ€“B catalysts and their catalytic performances for hydroformylation of cyclohexene. Catalysis Communications, 2015, 59, 45-49.	1.6	23
27	Promoting effects of lanthanum on the catalytic activity of Au/TiO₂ nanotubes for CO oxidation. RSC Advances, 2015, 5, 11989-11995.	1.7	22
28	Preparation and chatacterazition of the Bi-doped TiO2photocatalysts. Reaction Kinetics and Catalysis Letters, 2005, 86, 291-298.	0.6	20
29	Synthesis and characterization of TiO₂ nanotube supported Rh-nanoparticle catalysts for regioselective hydroformylation of vinyl acetate. RSC Advances, 2014, 4, 62215-62222.	1.7	20
30	Au/BiPO₄ nanorod catalysts: synthesis, characterization and their catalytic performance for CO oxidation. RSC Advances, 2016, 6, 15304-15312.	1.7	20
31	Improved Catalytic Performance of Au/Î±-Fe2O3-Like-Worm Catalyst for Low Temperature CO Oxidation. Nanomaterials, 2019, 9, 1118.	1.9	20
32	Design, synthesis of uniform Au nanoparticles modified Fe₂O₃â€“TiO₂ coaxial nanotubes and their enhanced thermal stability and photocatalytic activity. New Journal of Chemistry, 2015, 39, 4611-4623.	1.4	19
33	Highly uniform Rh nanoparticles supported on boron doped g-C₃N₄ as a highly efficient and recyclable catalyst for heterogeneous hydroformylation of alkenes. New Journal of Chemistry, 2020, 44, 20-23.	1.4	19
34	TiO2â€“Hydroxyapatite Composite as a New Support of Highly Active and Sintering-Resistant Gold Nanocatalysts for Catalytic Oxidation of CO and Photocatalytic Degradation of Methylene Blue. Catalysis Letters, 2018, 148, 359-373.	1.4	18
35	TiO2Supported Nano-Au Catalysts Prepared Via Solvated Metal Atom Impregnation for Lowâ€“Temperature CO Oxidation. Catalysis Letters, 2004, 96, 49-55.	1.4	16
36	Boron modified TiO₂ nanotubes supported Rh-nanoparticle catalysts for highly efficient hydroformylation of styrene. New Journal of Chemistry, 2017, 41, 6120-6126.	1.4	16

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37	Platinum and Iridium Oxide Co-modified TiO2 Nanotubes Array Based Photoelectrochemical Sensors for Glutathione. Nanomaterials, 2020, 10, 522.	1.9	16
38	Au/TiO2 nanotube catalysts prepared by combining solâ€“gel method with hydrothermal treatment and their catalytic properties for CO oxidation. Journal of Sol-Gel Science and Technology, 2014, 71, 406-412.	1.1	15
39	The synthesis and crystal structures of new 2-aminomethylbenzimidazole Zinc(II) complexes exhibiting luminescence. Transition Metal Chemistry, 2008, 33, 9-15.	0.7	14
40	TiO2Supported Nanoâ€”Au Catalysts Prepared via Solvated Metal Atom Impregnation for Low-Temperature CO Oxidation. Catalysis Letters, 2004, 97, 17-23.	1.4	13
41	Gold Nanoparticles Supported on Urchin-Like CuO: Synthesis, Characterization, and Their Catalytic Performance for CO Oxidation. Nanomaterials, 2020, 10, 67.	1.9	13
42	3D Hydrogen Titanate Nanotubes on Ti Foil: A Carrier for Enzymatic Glucose Biosensor. Sensors, 2020, 20, 1024.	2.1	13
43	Rh Particles Supported on Sulfated g-C3N4: A Highly Efficient and Recyclable Heterogeneous Catalyst for Alkene Hydroformylation. Catalysts, 2020, 10, 1359.	1.6	11
44	Preparation and Characterization of Bismuth Doped TiO2Thin Films. Journal of Dispersion Science and Technology, 2008, 29, 1471-1475.	1.3	10
45	A Heterometallic Copper(II)-Cerium(III) Complex Bridged by Oxydiacetate Ligand: Synthesis, Structure, Spectral, and Magnetic Properties of {[Ce₂Cu₃(oda)₆(H₂O)₃]Â·4H₂O}_n. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2014, 44, 352-357.	0.6	10
46	Synthesis, Structure, and Spectral and Magnetic Properties of a Three-dimensional Cobalt(II)-Neodymium(III) Heterometal-Organic Framework Based on Oxydiacetic Acid. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2011, 66, 1029-1034.	0.3	9
47	Hydroformylation of 1-octene over nanotubular TiO2-supported amorphous Co-B catalysts. Chemical Research in Chinese Universities, 2015, 31, 851-857.	1.3	9
48	Characterization and photocatalytic properties of Ru, C co-modified one-dimensional TiO2-based composites prepared via a single precursor approach. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	8
49	Flower-like hydrogen titanate nanosheets: preparation, characterization and their photocatalytic hydrogen production performance in the presence of Pt cocatalyst. RSC Advances, 2020, 10, 27652-27661.	1.7	8
50	Synthesis of metal-doped tio2 nanotubes and their catalytic performance for low-temperature co oxidation. Reaction Kinetics and Catalysis Letters, 2006, 88, 301-308.	0.6	7
51	Study of CuO/Ce0.8Zr0.2O2 catalysts for low-temperature CO oxidation. Reaction Kinetics and Catalysis Letters, 2006, 89, 37-44.	0.6	7
52	Characterization of Pt catalysts supported by three forms of TiO2 and their catalytic activities for hydrogenation. Reaction Kinetics, Mechanisms and Catalysis, 2013, 108, 117-126.	0.8	7
53	Titanate Nanotube-Supported Auâ€“Rh Bimetallic Catalysts: Characterization and Their Catalytic Performances in Hydroformylation of Vinyl Acetate. Catalysts, 2018, 8, 420.	1.6	7
54	Au/M-TiO2 nanotube catalysts (M=Ce, Ga, Co, Y): preparation, characterization and their catalytic activity for CO oxidation. Journal of Sol-Gel Science and Technology, 2018, 86, 699-710.	1.1	7

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55	One-pot synthesis of 3D Cu₂Sâ€“MoS₂ nanocomposites by an ionic liquid-assisted strategy with high photocatalytic activity. New Journal of Chemistry, 2019, 43, 269-276.	1.4	7
56	Alkali and Alkaline Earth Cation-Decorated TiO2 Nanotube-Supported Rh Catalysts for Vinyl Acetate Hydroformylation. Catalysts, 2019, 9, 194.	1.6	7
57	Synthesis and CO Oxidation Activity of 1D Mixed Binary Oxide CeO2-LaO x Supported Gold Catalysts. Nanoscale Research Letters, 2017, 12, 579.	3.1	6
58	Title is missing!. Reaction Kinetics and Catalysis Letters, 2003, 78, 49-58.	0.6	5
59	Tin Dioxide Supported Nanometric Gold: Synthesis, Characterization, and Lowtemperature Catalytic Oxidation of CO. Catalysis Letters, 2006, 108, 97-102.	1.4	5
60	Preparation, characterization and photocatalytic performances of materials based on CS2-modified titanate nanotubes. Materials Science-Poland, 2013, 31, 531-542.	0.4	5
61	Gold nanoparticles supported on LnPO 4 (Ln = La, Ce) nanorods and nanospheroids as high performance catalysts for CO oxidation. Materials Research Bulletin, 2018, 97, 411-420.	2.7	5
62	Synthesis and Characterization of Rh/Bâ€“TNTs as a Recyclable Catalyst for Hydroformylation of Olefin Containing â€“CN Functional Group. Nanomaterials, 2018, 8, 755.	1.9	5
63	Constructing Co3O4/g-C3N4 Ultra-Thin Nanosheets with Z-Scheme Charge Transfer Pathway for Efficient Photocatalytic Water Splitting. Nanomaterials, 2021, 11, 3341.	1.9	5
64	Influences of the H2PtCl6Solution's pH on the Photocatalytic Activities of Platinum-Loaded TiO2Nanotubes. Journal of Dispersion Science and Technology, 2008, 29, 1408-1411.	1.3	4
65	A comparative study of CO catalytic oxidation on Au/YPO4-prisms and Au/YPO4-rods. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	4
66	The influence of CePO₄ nanorods on the CO oxidation activity of Au/GdPO₄-rods. RSC Advances, 2018, 8, 21699-21711.	1.7	4
67	Preparation and Characterization of Rh/MgSNTs Catalyst for Hydroformylation of Vinyl Acetate: The Rh0 was Obtained by Calcination. Catalysts, 2019, 9, 215.	1.6	4
68	Shape-Controlled Syntheses and Redox Activity Differences of Cu₂O Particles as an Undergraduate Laboratory Experiment. Journal of Chemical Education, 2022, 99, 1788-1793.	1.1	4
69	Preparation of TiO2/ZnS core/sheath heterostructure nanotubes via a wet chemical method and their photocatalytic activity. Reaction Kinetics and Catalysis Letters, 2007, 92, 239-246.	0.6	3
70	Preparation and characterization of mesoporous TiO2-sphere-supported Au-nanoparticle catalysts with high activity for CO oxidation at ambient temperature. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	3
71	Effect of Ni Addition on the Low Temperature Carbon Monoxide Oxidation over Au/HAP Nanocatalyst. Catalysis Surveys From Asia, 2018, 22, 208-221.	1.0	3
72	Performance of Ptâ€“MoS2 co-modified 3-dimensional TiO2 nanoflowers in photocatalytic water splitting reaction. Journal of Sol-Gel Science and Technology, 2021, 98, 517-527.	1.1	3

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73	Amine-Functionalized Natural Halloysite Nanotubes Supported Metallic (Pd, Au, Ag) Nanoparticles and Their Catalytic Performance for Dehydrogenation of Formic Acid. Nanomaterials, 2022, 12, 2414.	1.9	3
74	Characterization and CO oxidation behavior of CuO/CeO2 catalysts. Reaction Kinetics and Catalysis Letters, 2005, 84, 29-36.	0.6	2
75	Promoting Effects of Iron on CO Oxidation over Au/TiO2 Supported Au Nanoparticles. Chemical Research in Chinese Universities, 2018, 34, 965-970.	1.3	2
76	Novel Synthesis of Ordered MCM-41 Titanosilicates with Very High Titanium Content via Ultrasound Radiation. Israel Journal of Chemistry, 2004, 44, 235-241.	1.0	1
77	Flower-Like Auâ€“CuO/Bi2WO6 Microsphere Catalysts: Synthesis, Characterization, and Their Catalytic Performances for CO Oxidation. Catalysts, 2017, 7, 266.	1.6	1
78	Characterization and CO oxidation catalytic behavior of CuO/CeO‹Subscript›2 ‹/Subscript›catalysts. Reaction Kinetics and Catalysis Letters, 2005, 84, 29-36.	0.6	0
79	Fabrication and photocatalytic performance of C, Ptâ€comodified TiO 2 nanotubes. Micro and Nano Letters, 2020, 15, 1089-1094.	0.6	0