Zhang

List of Publications by Year
in descending order

78 papers	2,531 citations	236612 25 h-index	197535 49 g-index
79 all docs	79 docs citations	79 times ranked	3597 citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	Gold Nanoparticles Supported on Urchin-Like CuO: Synthesis, Characterization, and Their Catalytic Performance for CO Oxidation. Nanomaterials, 2020, 10, 67.	1.9	13
5	High-Performance, Scalable, and Low-Cost Copper Hydroxyapatite for Photothermal CO2 Reduction. ACS Catalysis, 2020, 10, 13668-13681.	5.5	55
6	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
7	Platinum and Iridium Oxide Co-modified TiO2 Nanotubes Array Based Photoelectrochemical Sensors for Glutathione. Nanomaterials, 2020, 10, 522.	1.9	16
8	3D Hydrogen Titanate Nanotubes on Ti Foil: A Carrier for Enzymatic Glucose Biosensor. Sensors, 2020, 20, 1024.	2.1	13
9	Fabrication and photocatalytic performance of C, Ptâ€comodified TiO 2 nanotubes. Micro and Nano Letters, 2020, 15, 1089-1094.	0.6	0
10	Improved Catalytic Performance of Au/Î±-Fe2O3-Like-Worm Catalyst for Low Temperature CO Oxidation. Nanomaterials, 2019, 9, 1118.	1.9	20
11	ZnO supported on high-silica HZSM-5 as efficient catalysts for direct dehydrogenation of propane to propylene. Molecular Catalysis, 2019, 476, 110508.	1.0	28
12	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
13	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
14	New insight into the enhanced catalytic performance of ZnPt/HZSM-5 catalysts for direct dehydrogenation of propane to propylene. Catalysis Science and Technology, 2019, 9, 1979-1988.	2.1	60
15	Alkali and Alkaline Earth Cation-Decorated TiO2 Nanotube-Supported Rh Catalysts for Vinyl Acetate Hydroformylation. Catalysts, 2019, 9, 194.	1.6	7
16	ZnO Nanoclusters Supported on Dealuminated Zeolite Î² as a Novel Catalyst for Direct Dehydrogenation of Propane to Propylene. ChemCatChem, 2019, 11, 868-877.	1.8	89
17	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
18	Hydroformylation of vinyl acetate and cyclohexene over TiO₂ nanotube supported Rh and Ru nanoparticle catalysts. RSC Advances, 2018, 8, 12053-12059.	1.7	12

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	Titanate Nanotube-Supported Auâ€“Rh Bimetallic Catalysts: Characterization and Their Catalytic Performances in Hydroformylation of Vinyl Acetate. Catalysts, 2018, 8, 420.	1.6	7
24	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
25	Role of Hydroxyl Groups in Low-Temperature CO Catalytic Oxidation over Zn₄Si₂O₇(OH)₂ Nanowire-Supported Gold Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 25456-25466.	1.5	2
26	The influence of CePO₄ nanorods on the CO oxidation activity of Au/GdPO₄-rods. RSC Advances, 2018, 8, 21699-21711.	1.7	4
27	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
28	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
29	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
30	High efficiency and stability of Auâ€“Cu/hydroxyapatite catalyst for the oxidation of carbon monoxide. RSC Advances, 2017, 7, 45420-45431.	1.7	36
31	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
32	Flower-Like Auâ€“CuO/Bi2WO6 Microsphere Catalysts: Synthesis, Characterization, and Their Catalytic Performances for CO Oxidation. Catalysts, 2017, 7, 266.	1.6	1
33	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
34	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
35	Au/BiPO₄ nanorod catalysts: synthesis, characterization and their catalytic performance for CO oxidation. RSC Advances, 2016, 6, 15304-15312.	1.7	20
36	Hydroformylation of 1-octene over nanotubular TiO2-supported amorphous Co-B catalysts. Chemical Research in Chinese Universities, 2015, 31, 851-857.	1.3	9

#	Article	IF	Citations
37	Promoting effects of lanthanum on the catalytic activity of Au/TiO₂ nanotubes for CO oxidation. RSC Advances, 2015, 5, 11989-11995.	1.7	22
38	CO oxidation over Cu₂O deposited on 2D continuous lamellar g-C₃N₄. New Journal of Chemistry, 2015, 39, 6642-6648.	1.4	34
39	Nanotubular TiO2-supported amorphous Coâ€"B catalysts and their catalytic performances for hydroformylation of cyclohexene. Catalysis Communications, 2015, 59, 45-49.	1.6	23
40	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
41	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
42	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
43	Preparation, characterization and photocatalytic performances of materials based on CS2-modified titanate nanotubes. Materials Science-Poland, 2013, 31, 531-542.	0.4	5
44	CuO nanoparticle decorated ZnO nanorod sensor for low-temperature H2S detection. Materials Science and Engineering C, 2012, 32, 2079-2085.	3.8	127
45	Au-Functionalized Hematite Hybrid Nanospindles: General Synthesis, Gas Sensing and Catalytic Properties. Journal of Physical Chemistry C, 2011, 115, 5352-5357.	1.5	78
46	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
47	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
48	Synthesis, Characterization of Fe-doped TiO2 Nanotubes with High Photocatalytic Activity. Catalysis Letters, 2009, 129, 513-518.	1.4	138
49	Propane Dehydrogenation Over PtSn Catalysts Supported on ZnO-Modified MgAl2O4. Catalysis Letters, 2009, 132, 472-479.	1.4	29
50	Polypyrrole-Coated SnO₂ Hollow Spheres and Their Application for Ammonia Sensor. Journal of Physical Chemistry C, 2009, 113, 1662-1665.	1.5	224
51	Hierarchically Porous ZnO Architectures for Gas Sensor Application. Crystal Growth and Design, 2009, 9, 3532-3537.	1.4	321
52	An Investigation of Catalytic Activity for CO Oxidation of CuO/Ce x Zr1â€"x O2 Catalysts. Catalysis Letters, 2008, 121, 70-76.	1.4	26
53	Preparation, Characterization and Photocatalytic Activities of F-doped TiO2Nanotubes. Catalysis Letters, 2008, 121, 165-171.	1.4	61
54	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

#	Article	IF	Citations
55	Synthesis, characterization of Cr-doped TiO2 nanotubes with high photocatalytic activity. Journal of Nanoparticle Research, 2008, 10, 871-875.	0.8	97
56	The synthesis and crystal structures of new 2-aminomethylbenzimidazole Zinc(II) complexes exhibiting luminescence. Transition Metal Chemistry, 2008, 33, 9-15.	0.7	14
57	Facile Synthesis of Porous Î±-Fe₂O₃ Nanorods and Their Application in Ethanol Sensors. Journal of Physical Chemistry C, 2008, 112, 17804-17808.	1.5	151
58	Synthesis, characterization of CuO/Ce0.8Sn0.2O2 catalysts for low-temperature CO oxidation. Catalysis Communications, 2008, 9, 1259-1264.	1.6	42
59	Synthesis, Characterization, and Photocatalytic Activity of Nâ€Doped TiO2Nanotubes. Journal of Dispersion Science and Technology, 2008, 29, 245-249.	1.3	32
60	Synthesis and Characterization of Thermally Stable Nanotubular TiO₂ and Its Photocatalytic Activity. Journal of Physical Chemistry C, 2008, 112, 18772-18775.	1.5	46
61	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
62	Preparation and Characterization of Bismuth Doped TiO2Thin Films. Journal of Dispersion Science and Technology, 2008, 29, 1471-1475.	1.3	10
63	Influence of the addition of Pd and Cu to cobalt catalysts prepared by SMAI for F-T synthesis. Open Chemistry, 2007, 5, 144-155.	1.0	4
64	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
65	Synthesis and catalytic performance of gold-loaded TiO2 nanofibers. Catalysis Letters, 2007, 118, 55-58.	1.4	23
66	Characterization and catalytic performance of TiO2 nanotubes-supported gold and copper particles. Journal of Molecular Catalysis A, 2006, 249, 211-217.	4.8	66
67	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
68	Study of CuO/Ce0.8Zr0.2O2 catalysts for low-temperature CO oxidation. Reaction Kinetics and Catalysis Letters, 2006, 89, 37-44.	0.6	7
69	The preparation of Au/CeO2 catalysts and their activities for low-temperature CO oxidation. Catalysis Letters, 2006, 112, 115-119.	1.4	23
70	Comparison of CuO/Ce0.8Zr0.2O2 and CuO/CeO2 Catalysts for Low-temperature CO Oxidation. Catalysis Letters, 2005, 105, 163-168.	1.4	76
71	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
72	Characterization and CO oxidation behavior of CuO/CeO2 catalysts. Reaction Kinetics and Catalysis Letters, 2005, 84, 29-36.	0.6	2

#	ARTICLE	IF	CITATIONS
73	Preparation and chatacterazition of the Bi-doped TiO2photocatalysts. Reaction Kinetics and Catalysis Letters, 2005, 86, 291-298.	0.6	20
74	TiO2Supported Nano-Au Catalysts Prepared Via Solvated Metal Atom Impregnation for Lowâ€"Temperature CO Oxidation. Catalysis Letters, 2004, 96, 49-55.	1.4	16
75	TiO2Supported Nanoâ€"Au Catalysts Prepared via Solvated Metal Atom Impregnation for Low-Temperature CO Oxidation. Catalysis Letters, 2004, 97, 17-23.	1.4	13
76	Title is missing!. Reaction Kinetics and Catalysis Letters, 2003, 78, 49-58.	0.6	5
77	Title is missing!. Catalysis Letters, 2002, 80, 41-46.	1.4	83
78	A novel three-dimensional copper(II) networkviahydrogen bonds: diaquabis[bis(pyrazol-1-yl-ÎºN2)methane]copper(II) diperchlorate. Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, 1210-1212.	0.4	8