Yibo Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

41 papers	1,568 citations	279701 23 h-index	302012 39 g-index
41 all docs	41 docs citations	41 times ranked	2461 citing authors

#	Article	IF	Citations
1	Polyhedral 50-Facet Cu₂O Microcrystals Partially Enclosed by {311} High-Index Planes: Synthesis and Enhanced Catalytic CO Oxidation Activity. Journal of the American Chemical Society, 2010, 132, 17084-17087.	6.6	218
2	Superior catalytic performance of Ce_{1â^'x}Bi_xO_{2â^'Î´}solid solution and Au/Ce_{1â^'x}Bi_xO_{2â^'Î´}for 5-hydroxymethylfurfural conversion in alkaline aqueous solution. Catalysis Science and Technology, 2015, 5, 1314-1322.	2.1	93
3	A novel monolith ZnS-ZIF-8 adsorption material for ultraeffective Hg (II) capture from wastewater. Journal of Hazardous Materials, 2019, 367, 381-389.	6.5	76
4	Amino-functionalized adsorbent prepared by means of Cu(II) imprinted method and its selective removal of copper from aqueous solutions. Journal of Hazardous Materials, 2015, 294, 9-16.	6.5	75
5	CeO₂ nanowires self-inserted into porous Co₃O₄ frameworks as high-performance â€œnoble metal freeâ€•hetero-catalysts. Chemical Science, 2016, 7, 1109-1114.	3.7	74
6	An active-site-accessible porous metalâ€“organic framework composed of triangular building units: preparation, catalytic activity and magnetic property. Chemical Communications, 2012, 48, 11118.	2.2	69
7	Micro/nano-structure Co3O4 as high capacity anode materials for lithium-ion batteries and the effect of the void volume on electrochemical performance. Journal of Power Sources, 2014, 248, 289-295.	4.0	63
8	<scp>l</scp>â€Arginineâ€Triggered Selfâ€Assembly of CeO₂ Nanosheaths on Palladium Nanoparticles in Water. Angewandte Chemie - International Edition, 2016, 55, 4542-4546.	7.2	63
9	Aerobic oxidation of 5-hydroxymethylfurfural (HMF) effectively catalyzed by a Ce_{0.8}Bi_{0.2}O_{2â^'Î´} supported Pt catalyst at room temperature. RSC Advances, 2015, 5, 19823-19829.	1.7	61
10	Realization of Ti Doping by Electrostatic Assembly to Improve the Stability of LiCoO₂ Cycled to 4.5ÂV. Journal of the Electrochemical Society, 2019, 166, A1793-A1798.	1.3	55
11	Hydrothermal Method Prepared Ceâ€Pâ€O Catalyst for the Selective Catalytic Reduction of NO with NH₃ in a Broad Temperature Range. ChemCatChem, 2010, 2, 1416-1419.	1.8	54
12	Design and Synthesis of a Catalytically Active Cu-SSZ-13 Zeolite from a Copper-Amine Complex Template. Chinese Journal of Catalysis, 2012, 33, 92-105.	6.9	54
13	Investigation of the Redispersion of Pt Nanoparticles on Polyhedral Ceria Nanoparticles. Journal of Physical Chemistry Letters, 2014, 5, 2479-2483.	2.1	47
14	A novel PdNi/Al2O3 catalyst prepared by galvanic deposition for low temperature methane combustion. Journal of Energy Chemistry, 2013, 22, 610-616.	7.1	45
15	Anti-sintering Pd@silicalite-1 for methane combustion: Effects of the moisture and SO2. Applied Surface Science, 2019, 494, 1044-1054.	3.1	43
16	MIL-101(Cr) metalâ€“organic framework functionalized with tetraethylenepentamine for potential removal of Uranium (VI) from waste water. Adsorption Science and Technology, 2018, 36, 1550-1567.	1.5	41
17	Promotional effect of H3PO4 on ceria catalyst for selective catalytic reduction of NO by NH3. Chinese Journal of Catalysis, 2016, 37, 300-307.	6.9	38
18	A general one-pot strategy for the synthesis of Au@multi-oxide yolk@shell nanospheres with enhanced catalytic performance. Chemical Science, 2018, 9, 7569-7574.	3.7	35

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19	Synthesis of a Highly Active and Stable Pt/Co₃O₄ Catalyst and Its Application for the Catalytic Combustion of Toluene. European Journal of Inorganic Chemistry, 2019, 2019, 2933-2939.	1.0	35
20	Facile synthesis and catalytic properties of CeO2 with tunable morphologies from thermal transformation of cerium benzendicarboxylate complexes. CrystEngComm, 2011, 13, 1786.	1.3	31
21	Surface density of synthetically tuned spinel oxides of Co3+ and Ni3+ with enhanced catalytic activity for methane oxidation. Chinese Journal of Catalysis, 2018, 39, 1228-1239.	6.9	28
22	MnO₂â€“Graphene-oxide-scrollâ€“TiO₂ composite catalyst for low-temperature NH₃-SCR of NO with good steam and SO₂ resistance obtained by low-temperature carbon-coating and selective atomic layer deposition. Catalysis Science and Technology, 2019, 9, 1602-1608.	2.1	28
23	Atomic layer deposition of silica to improve the high-temperature hydrothermal stability of Cu-SSZ-13 for NH3 SCR of NOx. Journal of Hazardous Materials, 2021, 416, 126194.	6.5	27
24	Novel amino-functionalized carbon material derived from metal organic framework: A characteristic adsorbent for U(VI) removal from aqueous environment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 556, 72-80.	2.3	25
25	Highly recyclable cysteamine-modified acid-resistant MOFs for enhancing Hg (II) removal from water. Environmental Technology (United Kingdom), 2020, 41, 3094-3104.	1.2	23
26	Combination of Pt@CeO2/MCM-56 and CeO2-CuO/MCM-56 to purify the exhaust emissions from diesel vehicles. Applied Catalysis A: General, 2019, 570, 387-394.	2.2	18
27	Enhanced Performance for Selective Catalytic Reduction of NO_x with NH₃ over Nanosized Cu/SAPOâ€34 Catalysts. ChemCatChem, 2019, 11, 3865-3870.	1.8	18
28	Ultrafine PdOx nanoparticles on spinel oxides by galvanic displacement for catalytic combustion of methane. Catalysis Science and Technology, 2019, 9, 6404-6414.	2.1	17
29	Bimetallic Effects of Silverâ€Modified Nickel Catalysts and their Synergy in Glycerol Hydrogenolysis. ChemCatChem, 2016, 8, 1929-1936.	1.8	15
30	A Novel Ce-P-O Catalyst for the Selective Catalytic Reduction of NO with NH3. Chinese Journal of Catalysis, 2010, 31, 938-942.	6.9	13
31	BiMnO3 Perovskite Catalyst for Selective Catalytic Reduction of NO with NH3 at Low Temperature. Chinese Journal of Catalysis, 2012, 33, 1448-1454.	6.9	13
32	Graphene-Oxide-Directed Hydrothermal Synthesis of Ultralong M(VO₃)_n Composite Nanoribbons. Chemistry of Materials, 2016, 28, 4815-4820.	3.2	12
33	The redispersion behaviour of Pt on the surface of Fe₂O₃. RSC Advances, 2016, 6, 25894-25899.	1.7	10
34	Influence of electronic effect on methane catalytic combustion over PdNi/Al2O3. Chemical Research in Chinese Universities, 2013, 29, 952-955.	1.3	9
35	In Situ Construction of Ptâ€“Ni NF@Niâ€MOFâ€74 for Selective Hydrogenation of pâ€Nitrostyrene by Ammonia Borane. Chemistry - A European Journal, 2020, 26, 12539-12543.	1.7	9
36	A Novel Nano-sized Catalyst CeO2-CuO/Hollow ZSM-5 for NOx Reduction with NH3. Chemical Research in Chinese Universities, 2018, 34, 661-664.	1.3	8

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37	Solâ€Gel Preparation of Perovskite Oxides Using Ethylene Glycol and Alcohol Mixture as Complexant and Its Catalytic Performances for CO Oxidation. ChemistrySelect, 2018, 3, 12250-12257.	0.7	7
38	Silanized Titanium Silicate (TS-1) Molecular Sieve for Promoting the Homogeneously Catalyzed Oxidation of Cyclohexane. Chinese Journal of Catalysis, 2011, 32, 723-726.	6.9	6
39	Sinter-resistant and high-efficient Pt/CeO2/NiAl2O4/Al2O3@SiO2 model catalysts with â€œcomposite energy trapsâ€• Science China Chemistry, 2020, 63, 519-525.	4.2	6
40	MnO₂â€“GO-scrollâ€“TiO₂â€“ITQ2 as a low-temperature NH₃-SCR catalyst with a wide SO₂-tolerance temperature range. New Journal of Chemistry, 2020, 44, 1733-1738.	1.4	5
41	Multiporous Carbon Encapsulated Ni Nanoparticles Promoting Glycerol Valorisation towards Hydrogenation against Rearrangement â€. Chinese Journal of Chemistry, 2020, 38, 439-444.	2.6	1