

Jianping Du

List of Publications by Year in descending order

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888
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-controlled synthesis of SnO ₂ quantum dots and their gas-sensing performance. Applied Surface Science, 2015, 346, 256-262.	6.1	56
2	Facile synthesis of hexagonal brick-shaped SnO ₂ and its gas sensing toward triethylamine. Journal of Environmental Chemical Engineering, 2013, 1, 1380-1384.	6.7	53
3	One-pot synthesis of mesoporous spherical SnO ₂ @graphene for high-sensitivity formaldehyde gas sensors. RSC Advances, 2016, 6, 25198-25202.	3.6	53
4	Hierarchical Porous Core-Shell Carbon Nanoparticles. Chemistry of Materials, 2009, 21, 1524-1530.	6.7	41
5	Self-Assembly of Gridlike Zinc Oxide Lamellae for Chemical-Sensing Applications. ACS Applied Materials & Interfaces, 2015, 7, 5870-5878.	8.0	40
6	Regulating the Sensitivity and Operating Temperatures by Morphology Engineering of 2D ZnO Nanostructures and 3D ZnO Microstructures for the Detection of Organic-Amines. ACS Applied Nano Materials, 2019, 2, 5430-5439.	5.0	36
7	The effects of ceria morphology on the properties of Pd/ceria catalyst for catalytic oxidation of low-concentration methane. Journal of Materials Science, 2016, 51, 10917-10925.	3.7	35
8	Surfactant-assisted synthesis of the pencil-like zinc oxide and its sensing properties. Materials Letters, 2013, 107, 259-261.	2.6	29
9	Highly sensitive and selective gas-phase ethanolamine sensor by doping sulfur into nanostructured ZnO. Sensors and Actuators B: Chemical, 2019, 296, 126633.	7.8	28
10	Controllable synthesis of prism- and lamella-like ZnO and their gas sensing. Materials Letters, 2014, 136, 427-430.	2.6	27
11	Simple self-assembly of 3D laminated CuO/SnO ₂ hybrid for the detection of triethylamine. Chinese Chemical Letters, 2020, 31, 2055-2058.	9.0	27
12	Effects of sizes of nano-copper oxide on the equilibrium constant and thermodynamic properties for the reaction in nanosystem. Journal of Chemical Thermodynamics, 2012, 45, 48-52.	2.0	26
13	Highly Dispersed Mo ₂ C Nanodots in Carbon Nanocages Derived from Mo-Based Xerogel: Efficient Electrocatalysts for Hydrogen Evolution. Small Methods, 2021, 5, e2100334.	8.6	26
14	Structure and kinetic investigations of surface-stepped CeO ₂ -supported Pd catalysts for low-concentration methane oxidation. Chemical Engineering Journal, 2016, 306, 745-753.	12.7	25
15	Catalytic performance of Mo ₂ C supported on onion-like carbon for dehydrogenation of cyclohexane. RSC Advances, 2014, 4, 53950-53953.	3.6	22
16	A facile approach for synthesis and <i>in situ</i> modification of onion-like carbon with molybdenum carbide. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 878-881.	1.8	21
17	The short-channel function of hollow carbon nanoparticles as support in the dehydrogenation of cyclohexane. International Journal of Hydrogen Energy, 2013, 38, 5789-5795.	7.1	20
18	Hollow Hemispherical Carbon Microspheres with Mo ₂ C Nanoparticles Synthesized by Precursor Design: Effective Noble Metal-Free Catalysts for Dehydrogenation. Small Methods, 2020, 4, 1900597.	8.6	18

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19	Ultrafine Mo ₂ C Nanoparticles Confined in 2D Meshlike Carbon Nanolayers for Effective Hydrogen Evolution. <i>ChemCatChem</i> , 2020, 12, 3195-3201.	3.7	18
20	A facile controllable self-assembly of 3D elliptical ZnO microspheres from 1D nanowires for effective detection of acetone. <i>Materials Letters</i> , 2020, 270, 127706.	2.6	17
21	Morphology evolution of ZnO by controlling solvent and electrochemical sensing of hexagonal nanotablets toward amines. <i>Chinese Chemical Letters</i> , 2020, 31, 2091-2094.	9.0	17
22	Design and Synthesis Strategies: 2D Materials for Electromagnetic Shielding/Absorbing. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3817-3832.	3.3	17
23	Mo-chelate strategy for synthesizing ultrasmall Mo ₂ C nanoparticles embedded in carbon nanosheets for efficient hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 31598-31607.	7.1	17
24	Thermodynamic properties and equilibrium constant of chemical reaction in nanosystem: An theoretical and experimental study. <i>Journal of Chemical Thermodynamics</i> , 2012, 55, 218-224.	2.0	15
25	Review "Nanostructural ZnO-Based Electrochemical Sensor for Environmental Application. <i>Journal of the Electrochemical Society</i> , 2022, 169, 020573.	2.9	15
26	Effect of chemical treatment to hollow carbon nanoparticles (HCNP) on catalytic behaviors of the platinum catalysts. <i>Applied Surface Science</i> , 2008, 255, 2989-2993.	6.1	14
27	Facile self-assembly of SnO ₂ nanospheres for volatile amine gas sensing. <i>Materials Letters</i> , 2017, 186, 318-321.	2.6	14
28	Efficient Catalysts for Cyclohexane Dehydrogenation Synthesized by Mo-Promoted Growth of 3D Block Carbon Coupled with Mo ₂ C. <i>ACS Omega</i> , 2018, 3, 10773-10780.	3.5	14
29	2D feather-shaped alumina slice as efficient Pd catalyst support for oxidation reaction of the low-concentration methane. <i>Chemical Engineering Journal</i> , 2019, 361, 1345-1351.	12.7	14
30	Biomass-derived carbon nanosheets coupled with MoO ₂ /Mo ₂ C electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 30959-30969.	7.1	14
31	Palladium catalyst supported on stair-like microstructural CeO ₂ provides enhanced activity and stability for low-concentration methane oxidation. <i>Applied Catalysis A: General</i> , 2016, 524, 237-242.	4.3	13
32	Mesoporous Carbon Nanotablets Coupled with Mo ₂ C Nanoparticles: Combining Morphology and Structure to Realize High Activity for Efficient Hydrogen Evolution. <i>ChemistrySelect</i> , 2020, 5, 5974-5980.	1.5	13
33	Synthesis of Ultrathin and Grid-Structural Carbon Nanosheets Coupled with Mo ₂ C for Electrocatalytic Hydrogen Production. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2107-2112.	3.3	13
34	Cr-doped SnO ₂ microrods adhering nanoparticles for enhanced triethylamine sensing performance. <i>Materials Letters</i> , 2022, 312, 131684.	2.6	11
35	Size-dependent thermodynamic properties and equilibrium constant of chemical reaction in nanosystem: An experimental study (II). <i>Journal of Chemical Thermodynamics</i> , 2013, 65, 29-33.	2.0	9
36	Hierarchically Self-Assembled Star-Shaped ZnO Microparticles for Electrochemical Sensing of Amines. <i>Chemistry - A European Journal</i> , 2016, 22, 8068-8073.	3.3	9

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37	Synthesis and Gas-sensing Performance of Column-shaped Zinc Oxide Doped with-graphene. <i>Materials Today: Proceedings</i> , 2016, 3, 345-349.	1.8	8
38	Size-Controllable Strategy of ZnO Micro/Nanorods for Electrochemical Detection of H_2O_2 . <i>Journal of the Electrochemical Society</i> , 2021, 168, 027507.	2.9	8
39	Engineering of Band Structure of Bismuth Selenide Ultrathin Nanosheets as Multifunctional Material for Photocatalytic Application. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	8
40	Facile Preparation of Hierarchically Porous $g-C_3N_4$ as High-Performance Photocatalyst for Degradation of Methyl Violet Dye. <i>ChemistrySelect</i> , 2021, 6, 7130-7135.	1.5	7
41	Controllable band structure of ZnO/g-C ₃ N ₄ aggregation to enhance gas sensing for the dimethylamine detection. <i>Sensors and Actuators Reports</i> , 2022, 4, 100084.	4.4	6
42	Morphologies-controlling synthesis of silicalite-1 and its adsorption property. <i>Materials Letters</i> , 2015, 139, 494-497.	2.6	5
43	Enhanced properties of solid solution (CeZr)O ₂ modified with metal oxides for catalytic oxidation of low-concentration methane. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 187-192.	3.5	5
44	Enhanced properties of Pd/CeO ₂ -nanorods modified with alkaline-earth metals for catalytic oxidation of low-concentration methane. <i>RSC Advances</i> , 2018, 8, 38641-38647.	3.6	5
45	Size controlling preparation, adsorption and catalytic properties of silica microspheres. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 843-847.	2.6	3
46	Modulation and self-assembly of nanoparticles into bismuth molybdate nanosheets as highly efficient photocatalysts for ciprofloxacin degradation. <i>Environmental Science: Nano</i> , 2022, 9, 2979-2989.	4.3	1