

Xiaofeng Wu

List of Publications by Year in descending order

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32
papers

1,584
citations

304743

22
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

2327
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxalate route for promoting activity of manganese oxide catalysts in total VOCs TM oxidation: effect of calcination temperature and preparation method. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2544-2554.	10.3	301
2	Synthesis of network reduced graphene oxide in polystyrene matrix by a two-step reduction method for superior conductivity of the composite. <i>Journal of Materials Chemistry</i> , 2012, 22, 17254.	6.7	212
3	Effect of Cu substitution on promoted benzene oxidation over porous CuCo-based catalysts derived from layered double hydroxide with resistance of water vapor. <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 260-269.	20.2	175
4	Catalytic oxidation of benzene over Ce ⁴⁺ Mn oxides synthesized by flame spray pyrolysis. <i>Particuology</i> , 2013, 11, 454-459.	3.6	72
5	Crystal-Defect-Dependent Gas-Sensing Mechanism of the Single ZnO Nanowire Sensors. <i>ACS Sensors</i> , 2018, 3, 2385-2393.	7.8	69
6	Synergistic Effects in Porous Mn ²⁺ Co Mixed Oxide Nanorods Enhance Catalytic Deep Oxidation of Benzene. <i>Catalysis Letters</i> , 2014, 144, 1900-1910.	2.6	65
7	Importance of porous structure and synergistic effect on the catalytic oxidation activities over hierarchical Mn ²⁺ Ni composite oxides. <i>Catalysis Science and Technology</i> , 2016, 6, 1710-1718.	4.1	55
8	Facile solution synthesis of Cu ₂ O@Cu ²⁺ Cu(OH) ₂ hierarchical nanostructures for effective catalytic ozone decomposition. <i>CrystEngComm</i> , 2018, 20, 3096-3104.	2.6	50
9	Hierarchical hollow ZnO cubes constructed using self-sacrificial ZIF-8 frameworks and their enhanced benzene gas-sensing properties. <i>New Journal of Chemistry</i> , 2015, 39, 7060-7065.	2.8	48
10	In-situ synthesis of Cu ₂ O/reduced graphene oxide composite as effective catalyst for ozone decomposition. <i>Catalysis Communications</i> , 2018, 106, 25-29.	3.3	46
11	Synthesis of Hierarchical Hollow MnO ₂ Microspheres and Potential Application in Abatement of VOCs. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11040-11046.	3.1	43
12	Design and synthesis of porous non-noble metal oxides for catalytic removal of VOCs. <i>Science China Chemistry</i> , 2015, 58, 1359-1366.	8.2	41
13	Synthesis and characterization of mesoporous MgO by template-free hydrothermal method. <i>Materials Research Bulletin</i> , 2014, 50, 307-311.	5.2	38
14	Pure and Sn-, Ga- and Mn-doped ZnO gas sensors working at different temperatures for formaldehyde, humidity, NH ₃ , toluene and CO. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 627-633.	2.3	36
15	Self-Templating Synthesis of 3D Hierarchical NiCo ₂ O ₄ @NiO Nanocage from Hydrotalcites for Toluene Oxidation. <i>Catalysts</i> , 2019, 9, 352.	3.5	34
16	Low-temperature catalytic oxidation of benzene over nanocrystalline Cu ²⁺ Mn composite oxides by facile sol-gel synthesis. <i>New Journal of Chemistry</i> , 2020, 44, 2442-2451.	2.8	32
17	Noble Metal/Tin Dioxide Hierarchical Hollow Spheres for Low-Concentration Breath Methane Sensing. <i>ACS Applied Nano Materials</i> , 2018, 1, 6327-6336.	5.0	30
18	Coalescence of Ag ₂ S and Au nanocrystals at room temperature. <i>Journal of Materials Chemistry</i> , 2011, 21, 11750.	6.7	28

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19	Catalytic Behaviour of Flame-Made CuO-CeO ₂ Nanocatalysts in Efficient CO Oxidation. <i>Catalysts</i> , 2019, 9, 256.	3.5	27
20	Designed synthesis of ultrafine NiO nanocrystals bonded on a three dimensional graphene framework for high-capacity lithium-ion batteries. <i>New Journal of Chemistry</i> , 2018, 42, 9901-9910.	2.8	24
21	Enhanced gas-sensing performance of metal@ZnO core-shell nanoparticles towards ppb-level benzene: the role of metal-ZnO hetero-interfaces. <i>New Journal of Chemistry</i> , 2019, 43, 2220-2230.	2.8	24
22	Controlled synthesis of hierarchical MnO ₂ microspheres with hollow interiors for the removal of benzene. <i>RSC Advances</i> , 2014, 4, 26796.	3.6	22
23	Chemical vapor deposition preparation of nanostructured ZnO particles and their gas-sensing properties. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	20
24	Facet-dependent gas sensing properties of Cu ₂ O crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600904.	1.8	20
25	Synergetic effect over flame-made manganese doped CuO-CeO ₂ nanocatalyst for enhanced CO oxidation performance. <i>RSC Advances</i> , 2019, 9, 2343-2352.	3.6	17
26	Catalytic removal of gaseous benzene over Pt/SBA-15 catalyst: the effect of the preparation method. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 114, 711-723.	1.7	15
27	Epoxy/alumina nanocomposite with decreased dielectric constant and dielectric loss. <i>Polymer Composites</i> , 2018, 39, 2307-2319.	4.6	12
28	Growth and Photovoltaic Properties of High-Quality GaAs Nanowires Prepared by the Two-Source CVD Method. <i>Nanoscale Research Letters</i> , 2016, 11, 191.	5.7	9
29	Ordered Mesoporous Carbon with Chitosan for Disinfection of Water via Capacitive Deionization. <i>Nanomaterials</i> , 2020, 10, 489.	4.1	7
30	Enhanced NO ₂ Sensing Property of ZnO by Ga Doping and H ₂ Activation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700861.	1.8	5
31	Three-dimensional cubic ordered mesoporous carbon with chitosan for capacitive deionization disinfection of water. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15001-15010.	5.3	4
32	Hydrothermal synthesis of Fe ²⁺ -FeOOH with different morphologies using NaH ₂ PO ₄ as structural modifier. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 662-664.	1.0	3