Wenxiang Tang

List of Publications by Year
in descending order

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		186265	189892
49	2,961	28	50
papers	citations	h-index	g-index

50	50	50	3434
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In Situ Synthesis of Monolithic Cu₂Oâ€“CuO/Cu Catalysts for Effective Ozone Decomposition. Journal of Physical Chemistry C, 2022, 126, 317-325.	3.1	13
2	Novel CrFeCoNiSi₆/Si System for Boron Removal from Metallurgical Silicon Feedstock. Industrial & Engineering Chemistry Research, 2022, 61, 3412-3417.	3.7	1
3	Insights into the Sintering Resistance of Sphere-like Mn₂O₃ in Catalytic Toluene Oxidation: Effect of Manganese Salt Precursor and Crucial Role of Residual Trace Sulfur. Industrial & Engineering Chemistry Research, 2022, 61, 6414-6426.	3.7	10
4	Reaction Performance and Flow Behavior of Isobutane/1-Butene and H₂SO₄ in the Microreactor Configured with the Micro-mixer. Industrial & Engineering Chemistry Research, 2022, 61, 9122-9135.	3.7	4
5	NiO nanosheet array integrated monoliths for low temperature catalytic propane oxidation: A study on the promotion effect of Ce doping. Catalysis Today, 2021, 360, 194-203.	4.4	6
6	Destroying the structure of extracellular polymeric substance to improve the dewatering performance of waste activated sludge by ionic liquid. Water Research, 2021, 199, 117161.	11.3	58
7	Microemulsion solventing-out co-precipitation strategy for fabricating highly active Cuâ€“ZnO/Al2O3 dual site catalysts for reverse water gas shift. Catalysis Science and Technology, 2020, 10, 2343-2352.	4.1	10
8	Activating low-temperature diesel oxidation by single-atom Pt on TiO2 nanowire array. Nature Communications, 2020, 11, 1062.	12.8	90
9	Alkali-metal poisoning effect of total CO and propane oxidation over Co3O4 nanocatalysts. Applied Catalysis B: Environmental, 2019, 256, 117859.	20.2	78
10	Pre-surface leached cordierite honeycombs for MnxCo3-xO4 nano-sheet array integration with enhanced hydrocarbons combustion. Catalysis Today, 2019, 320, 196-203.	4.4	26
11	Mesoporous Perovskite Nanotubeâ€Array Enhanced Metallicâ€State Platinum Dispersion for Low Temperature Propane Oxidation. ChemCatChem, 2018, 10, 2184-2189.	3.7	14
12	Methanol Production: Cuâ€Đecorated ZnO Nanorod Array Integrated Structured Catalysts for Lowâ€Pressure CO₂ Hydrogenation to Methanol (Adv. Mater. Interfaces 3/2018). Advanced Materials Interfaces, 2018, 5, 1870011.	3.7	3
13	Boosting catalytic propane oxidation over PGM-free Co3O4 nanocrystal aggregates through chemical leaching: A comparative study with Pt and Pd based catalysts. Applied Catalysis B: Environmental, 2018, 226, 585-595.	20.2	113
14	MnO2-nanowire@NiO-nanosheet core-shell hybrid nanostructure derived interfacial Effect for promoting catalytic oxidation activity. Catalysis Today, 2018, 308, 58-63.	4.4	39
15	Cuâ€Đecorated ZnO Nanorod Array Integrated Structured Catalysts for Lowâ€Pressure CO₂ Hydrogenation to Methanol. Advanced Materials Interfaces, 2018, 5, 1700730.	3.7	20
16	Nanostructured TiO2 Support Effect on Hydrothermal Stability of Platinum based Catalysts. Microscopy and Microanalysis, 2018, 24, 1642-1643.	0.4	7
17	Copper manganese oxide enhanced nanoarray-based monolithic catalysts for hydrocarbon oxidation. Journal of Materials Chemistry A, 2018, 6, 19047-19057.	10.3	35
18	Template-Guided Programmable Janus Heteronanostructure Arrays for Efficient Plasmonic Photocatalysis. Nano Letters, 2018, 18, 4914-4921.	9.1	42

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19	Scalable Integration of Highly Uniform Mn_xCo_{3â^'x}O₄ Nanosheet Array onto Ceramic Monolithic Substrates for Lowâ€Temperature Propane Oxidation. ChemCatChem, 2017, 9, 4112-4119.	3.7	36
20	Understanding low temperature oxidation activity of nanoarray-based monolithic catalysts: from performance observation to structural and chemical insights. Emission Control Science and Technology, 2017, 3, 18-36.	1.5	18
21	Promoting effect of acid treatment on Pd-Ni/SBA-15 catalyst for complete oxidation of gaseous benzene. Catalysis Communications, 2017, 89, 86-90.	3.3	39
22	MOF Thin Filmâ€Coated Metal Oxide Nanowire Array: Significantly Improved Chemiresistor Sensor Performance. Advanced Materials, 2016, 28, 5229-5234.	21.0	492
23	Decoration of one-dimensional MnO 2 with Co 3 O 4 nanoparticles: A heterogeneous interface for remarkably promoting catalytic oxidation activity. Chemical Engineering Journal, 2016, 306, 709-718.	12.7	100
24	Core-shell Au@ZnO nanoparticles derived from Au@MOF and their sub-ppm level acetone gas-sensing performance. Powder Technology, 2016, 304, 241-247.	4.2	43
25	Co-templating synthesis of mesoporous hollow silica spheres and their application in catalytic oxidation with low Pt loading. Materials Letters, 2016, 168, 111-115.	2.6	12
26	MOF-derived hierarchical hollow ZnO nanocages with enhanced low-concentration VOCs gas-sensing performance. Sensors and Actuators B: Chemical, 2016, 225, 158-166.	7.8	191
27	Importance of porous structure and synergistic effect on the catalytic oxidation activities over hierarchical Mnâ€“Ni composite oxides. Catalysis Science and Technology, 2016, 6, 1710-1718.	4.1	55
28	Reduced graphene oxide modified platinum catalysts for the oxidation of volatile organic compounds. Catalysis Today, 2016, 278, 203-208.	4.4	31
29	Limited nanospace for growth of Niâ€“Mn composite oxide nanocrystals with enhanced catalytic activity for deep oxidation of benzene. Catalysis Today, 2015, 258, 148-155.	4.4	29
30	Preparation of hierarchical layer-stacking Mn-Ce composite oxide for catalytic total oxidation of VOCs. Journal of Rare Earths, 2015, 33, 62-69.	4.8	75
31	A protective ceramic coating to improve oxidation and thermal shock resistance on CrMn alloy at elevated temperatures. Ceramics International, 2015, 41, 4706-4713.	4.8	15
32	Catalytic removal of gaseous benzene over Pt/SBA-15 catalyst: the effect of the preparation method. Reaction Kinetics, Mechanisms and Catalysis, 2015, 114, 711-723.	1.7	15
33	Hierarchical hollow ZnO cubes constructed using self-sacrificial ZIF-8 frameworks and their enhanced benzene gas-sensing properties. New Journal of Chemistry, 2015, 39, 7060-7065.	2.8	48
34	Restrictive nanoreactor for growth of transition metal oxides (MnO2, Co3O4, NiO) nanocrystal with enhanced catalytic oxidation activity. Catalysis Communications, 2015, 72, 165-169.	3.3	31
35	Design and synthesis of porous non-noble metal oxides for catalytic removal of VOCs. Science China Chemistry, 2015, 58, 1359-1366.	8.2	41
36	Effect of Cu substitution on promoted benzene oxidation over porous CuCo-based catalysts derived from layered double hydroxide with resistance of water vapor. Applied Catalysis B: Environmental, 2015, 166-167, 260-269.	20.2	175

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37	Template-free synthesis of hierarchical layer-stacking CeO2 nanostructure with enhanced catalytic oxidation activity. Materials Letters, 2015, 140, 95-98.	2.6	19
38	Co-nanocasting synthesis of mesoporous Cuâ€“Mn composite oxides and their promoted catalytic activities for gaseous benzene removal. Applied Catalysis B: Environmental, 2015, 162, 110-121.	20.2	159
39	Effects of cerium incorporation on the catalytic oxidation of benzene over flame-made perovskite La1â^'xCexMnO3 catalysts. Particuology, 2015, 19, 60-68.	3.6	66
40	Synergistic Effects in Porous Mnâ€“Co Mixed Oxide Nanorods Enhance Catalytic Deep Oxidation of Benzene. Catalysis Letters, 2014, 144, 1900-1910.	2.6	65
41	Higher Oxidation State Responsible for Ozone Decomposition at Room Temperature over Manganese and Cobalt Oxides: Effect of Calcination Temperature. Ozone: Science and Engineering, 2014, 36, 502-512.	2.5	49
42	Preparation and Li+ storage properties of hierarchical hollow porous carbon spheres. Particuology, 2014, 14, 44-50.	3.6	5
43	Influence of CoO glassâ€“ceramic coating on the anti-oxidation behavior and thermal shock resistance of 200 stainless steel at elevated temperature. Ceramics International, 2014, 40, 12327-12335.	4.8	16
44	Oxalate route for promoting activity of manganese oxide catalysts in total VOCsâ€™ oxidation: effect of calcination temperature and preparation method. Journal of Materials Chemistry A, 2014, 2, 2544-2554.	10.3	301
45	Controlled synthesis of hierarchical MnO2 microspheres with hollow interiors for the removal of benzene. RSC Advances, 2014, 4, 26796.	3.6	22
46	Surface Diffusion of Pt Clusters in/on SiO₂ Matrix at Elevated Temperatures and Their Improved Catalytic Activities in Benzene Oxidation. Journal of Physical Chemistry C, 2014, 118, 22719-22729.	3.1	23
47	Porous Mnâ€“Co mixed oxide nanorod as a novel catalyst with enhanced catalytic activity for removal of VOCs. Catalysis Communications, 2014, 56, 134-138.	3.3	133
48	Large-scale synthesis of hierarchical MnO2 for benzene catalytic oxidation. Particuology, 2014, 14, 71-75.	3.6	21
49	Solâ€“gel process for the synthesis of ultrafine MnO2 nanowires and nanorods. Materials Letters, 2014, 132, 317-321.	2.6	62