Shaohua Xie

List of Publications by Year
in descending order

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Version: 2024-02-01

		87843	102432
71	4,493	38	66
papers	citations	h-index	g-index

72	72	72	3569
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molybdenum oxide as an efficient promoter to enhance the NH3-SCR performance of CeO2-SiO2 catalyst for NO removal. Catalysis Today, 2022, 397-399, 475-483.	2.2	19
2	CeO2 doping boosted low-temperature NH3-SCR activity of FeTiOx catalyst: A microstructure analysis and reaction mechanistic study. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	3.3	5
3	Structure-activity relationship of Pt catalyst on engineered ceria-alumina support for CO oxidation. Journal of Catalysis, 2022, 405, 236-248.	3.1	23
4	Copper Single Atom-Triggered Niobiaâ€“Ceria Catalyst for Efficient Low-Temperature Reduction of Nitrogen Oxides. ACS Catalysis, 2022, 12, 2441-2453.	5.5	48
5	Nickel foam supported porous copper oxide catalysts with noble metal-like activity for aqueous phase reactions. Catalysis Science and Technology, 2022, 12, 3804-3816.	2.1	7
6	Highly efficient and anti-poisoning single-atom cobalt catalyst for selective hydrogenation of nitroarenes. Nano Research, 2022, 15, 10006-10013.	5.8	7
7	Engineering Platinum Catalysts via a Site-Isolation Strategy with Enhanced Chlorine Resistance for the Elimination of Multicomponent VOCs. Environmental Science & Technology, 2022, 56, 9672-9682.	4.6	17
8	Ceâ€“Si Mixed Oxide: A High Sulfur Resistant Catalyst in the NH₃â€“SCR Reaction through the Mechanism-Enhanced Process. Environmental Science & Technology, 2021, 55, 4017-4026.	4.6	66
9	Highly Active and Stable Palladium Catalysts on Novel Ceriaâ€“Alumina Supports for Efficient Oxidation of Carbon Monoxide and Hydrocarbons. Environmental Science & Technology, 2021, 55, 7624-7633.	4.6	28
10	Role of active metals Cu, Co, and Ni on ceria towards CO2 thermo-catalytic hydrogenation. Reaction Kinetics, Mechanisms and Catalysis, 2021, 133, 699-711.	0.8	2
11	Revealing the effect of paired redox-acid sites on metal oxide catalysts for efficient NO removal by NH3-SCR. Journal of Hazardous Materials, 2021, 416, 125826.	6.5	43
12	Transformation of Highly Stable Pt Single Sites on Defect Engineered Ceria into Robust Pt Clusters for Vehicle Emission Control. Environmental Science & Technology, 2021, 55, 12607-12618.	4.6	21
13	Simulated solar light driven photothermal catalytic purification of toluene over iron oxide supported single atom Pt catalyst. Applied Catalysis B: Environmental, 2021, 298, 120612.	10.8	54
14	Ultralow Loading Ruthenium on Alumina Monoliths for Facile, Highly Recyclable Reduction of p-Nitrophenol. Catalysts, 2021, 11, 165.	1.6	6
15	In situ molten salt derived iron oxide supported platinum catalyst with high catalytic performance for o-xylene elimination. Catalysis Today, 2020, 351, 30-36.	2.2	15
16	Morphology-Sensitive Sulfation Effect on Ceria Catalysts for NH3-SCR. Topics in Catalysis, 2020, 63, 932-943.	1.3	24
17	Tuning Singleâ€atom Pt₁â^'CeO₂ Catalyst for Efficient CO and C₃H₆ Oxidation: Size Effect of Ceria on Pt Structural Evolution. ChemNanoMat, 2020, 6, 1797-1805.	1.5	27
18	Carbon Monoxide Oxidation over rGO-Mediated Gold/Cobalt Oxide Catalysts with Strong Metalâ€“Support Interaction. ACS Applied Materials & Interfaces, 2020, 12, 31467-31476.	4.0	24

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19	Probing toluene catalytic removal mechanism over supported Pt nano- and single-atom-catalyst. Journal of Hazardous Materials, 2020, 392, 122258.	6.5	85
20	Preparation and high catalytic performance of Co3O4â€“MnO2 for the combustion of o-xylene. Catalysis Today, 2019, 327, 246-253.	2.2	28
21	Pt Co/meso-MnO : Highly efficient catalysts for low-temperature methanol combustion. Catalysis Today, 2019, 332, 168-176.	2.2	16
22	Supported ceria-modified silver catalysts with high activity and stability for toluene removal. Environment International, 2019, 128, 335-342.	4.8	36
23	Supported ultralow loading Pt catalysts with high H2O-, CO2-, and SO2-resistance for acetone removal. Applied Catalysis A: General, 2019, 579, 106-115.	2.2	65
24	Mesoporous CoO-supported palladium nanocatalysts with high performance for o-xylene combustion. Catalysis Science and Technology, 2018, 8, 806-816.	2.1	47
25	Coâ€“Pd/BiVO4: High-performance photocatalysts for the degradation of phenol under visible light irradiation. Applied Catalysis B: Environmental, 2018, 224, 350-359.	10.8	116
26	Au â˜ Pd/mesoporous Fe2O3: Highly active photocatalysts for the visible-light-driven degradation of acetone. Journal of Environmental Sciences, 2018, 70, 74-86.	3.2	14
27	3DOM LaMnAl11O19-supported AuPd alloy nanoparticles: Highly active catalysts for methane combustion in a continuous-flow microreactor. Catalysis Today, 2018, 308, 71-80.	2.2	13
28	Highly Active and Stable Pdâ˜GaO_x/Al₂O₃ Catalysts Derived from Intermetallic Pd₅Ga₃ Nanocrystals for Methane Combustion. ChemCatChem, 2018, 10, 5637-5648.	1.8	21
29	Effect of transition metal doping on the catalytic performance of Auâ€“Pd/3DOM Mn2O3 for the oxidation of methane and o-xylene. Applied Catalysis B: Environmental, 2017, 206, 221-232.	10.8	129
30	Catalytic performance enhancement by alloying Pd with Pt on ordered mesoporous manganese oxide for methane combustion. Chinese Journal of Catalysis, 2017, 38, 92-105.	6.9	33
31	Efficient Removal of Methane over Cobalt-Monoxide-Doped AuPd Nanocatalysts. Environmental Science & Technology, 2017, 51, 2271-2279.	4.6	53
32	Enhanced catalytic performance for methane combustion of 3DOM CoFe2O4 by co-loading MnO and Pdâ€“Pt alloy nanoparticles. Applied Surface Science, 2017, 403, 590-600.	3.1	43
33	Insights into the active sites of ordered mesoporous cobalt oxide catalysts for the total oxidation of o-xylene. Journal of Catalysis, 2017, 352, 282-292.	3.1	95
34	Catalytic performance of cobalt oxide-supported gold-palladium nanocatalysts for the removal of toluene and o -xylene. Chinese Journal of Catalysis, 2017, 38, 207-216.	6.9	30
35	Graphitic carbon nitride-supported iron oxides: High-performance photocatalysts for the visible-light-driven degradation of 4-nitrophenol. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 336, 105-114.	2.0	36
36	Three-dimensionally ordered macroporous CoCr 2 O 4 -supported Auâ€“Pd alloy nanoparticles: Highly active catalysts for methane combustion. Catalysis Today, 2017, 281, 467-476.	2.2	36

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37	Fe2O3/3DOM BiVO4: High-performance photocatalysts for the visible light-driven degradation of 4-nitrophenol. Applied Catalysis B: Environmental, 2017, 202, 569-579.	10.8	175
38	Mn 3 O 4 -Au/3DOM La 0.6 Sr 0.4 CoO 3 : High-performance catalysts for toluene oxidation. Catalysis Today, 2017, 281, 437-446.	2.2	41
39	Three-dimensionally ordered macroporous CeO2-supported Pd@Co nanoparticles: Highly active catalysts for methane oxidation. Journal of Catalysis, 2016, 342, 17-26.	3.1	131
40	Catalytic removal of volatile organic compounds using ordered porous transition metal oxide and supported noble metal catalysts. Chinese Journal of Catalysis, 2016, 37, 1193-1205.	6.9	101
41	Pt/Co3O4/3DOM Al2O3: Highly effective catalysts for toluene combustion. Chinese Journal of Catalysis, 2016, 37, 934-946.	6.9	36
42	Preparation and catalytic performance of Ag, Au, Pd or Pt nanoparticles supported on 3DOM CeO2â€“Al2O3 for toluene oxidation. Journal of Molecular Catalysis A, 2016, 414, 9-18.	4.8	83
43	Mesoporous Cr2O3-supported Auâ€“Pd nanoparticles: High-performance catalysts for the oxidation of toluene. Microporous and Mesoporous Materials, 2016, 224, 311-322.	2.2	70
44	Au/MnO_x/3DOM La_{0.6}Sr_{0.4}MnO₃: Highly Active Nanocatalysts for the Complete Oxidation of Toluene. Industrial & Engineering Chemistry Research, 2015, 54, 900-910.	1.8	35
45	3DOM BiVO 4 supported silver bromide and noble metals: High-performance photocatalysts for the visible-light-driven degradation of 4-chlorophenol. Applied Catalysis B: Environmental, 2015, 168-169, 274-282.	10.8	95
46	Ce_{0.6}Zr_{0.3}Y_{0.1}O₂nanorod supported gold and palladium alloy nanoparticles: high-performance catalysts for toluene oxidation. Nanoscale, 2015, 7, 8510-8523.	2.8	49
47	Excellent catalytic performance, thermal stability, and water resistance of 3DOM Mn2O3-supported Auâ€“Pd alloy nanoparticles for the complete oxidation of toluene. Applied Catalysis A: General, 2015, 507, 82-90.	2.2	90
48	Au/MnO /3DOM SiO2: Highly active catalysts for toluene oxidation. Applied Catalysis A: General, 2015, 507, 139-148.	2.2	37
49	Three-dimensionally ordered mesoporous Co3O4-supported Auâ€“Pd alloy nanoparticles: High-performance catalysts for methane combustion. Journal of Catalysis, 2015, 332, 13-24.	3.1	129
50	Ultralow Loading of Silver Nanoparticles on Mn₂O₃ Nanowires Derived with Molten Salts: A High-Efficiency Catalyst for the Oxidative Removal of Toluene. Environmental Science & Technology, 2015, 49, 11089-11095.	4.6	123
51	Auâ€“Pd/3DOM Co 3 O 4 : Highly active and stable nanocatalysts for toluene oxidation. Journal of Catalysis, 2015, 322, 38-48.	3.1	270
52	Catalytic Removal of Volatile Organic Compounds over Porous Catalysts. The Global Environmental Engineers, 2015, 2, 1-14.	0.3	4
53	Au/Ce_{0.6}Zr_{0.3}Y_{0.1}O₂ Nanorods: Highly Active Catalysts for the Oxidation of Carbon Monoxide and Toluene. Industrial & Engineering Chemistry Research, 2014, 53, 18452-18461.	1.8	19
54	Mesoporous Co3O4-supported gold nanocatalysts: Highly active for the oxidation of carbon monoxide, benzene, toluene, and o-xylene. Journal of Catalysis, 2014, 309, 408-418.	3.1	320

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55	Morphologically Controlled Synthesis of Porous Spherical and Cubic LaMnO₃ with High Activity for the Catalytic Removal of Toluene. ACS Applied Materials & Interfaces, 2014, 6, 17394-17401.	4.0	84
56	Gold Supported on Iron Oxide Nanodisk as Efficient Catalyst for The Removal of Toluene. Industrial & Engineering Chemistry Research, 2014, 53, 3486-3494.	1.8	38
57	Preparation and high catalytic performance of Au/3DOM Mn2O3 for the oxidation of carbon monoxide and toluene. Journal of Hazardous Materials, 2014, 279, 392-401.	6.5	84
58	Porous Cubeâ€Aggregated Co₃O₄ Microsphereâ€Supported Gold Nanoparticles for Oxidation of Carbon Monoxide and Toluene. ChemSusChem, 2014, 7, 1745-1754.	3.6	51
59	Nanoplate-aggregate Co3O4 microspheres for toluene combustion. Chinese Journal of Catalysis, 2014, 35, 1475-1481.	6.9	19
60	Three-Dimensionally Ordered Macroporous La_{0.6}Sr_{0.4}MnO₃ Supported Ag Nanoparticles for the Combustion of Methane. Journal of Physical Chemistry C, 2014, 118, 14913-14928.	1.5	89
61	Controlled Generation of Uniform Spherical LaMnO₃, LaCoO₃, Mn₂O₃, and Co₃O₄ Nanoparticles and Their High Catalytic Performance for Carbon Monoxide and Toluene Oxidation. Inorganic Chemistry, 2013, 52, 8665-8676.	1.9	124
62	Three-dimensionally ordered macroporous La0.6Sr0.4MnO3 with high surface areas: Active catalysts for the combustion of methane. Journal of Catalysis, 2013, 307, 327-339.	3.1	206
63	Dual-templating synthesis of three-dimensionally ordered macroporous La0.6Sr0.4MnO3-supported Ag nanoparticles: controllable alignments and super performance for the catalytic combustion of methane. Chemical Communications, 2013, 49, 10748.	2.2	49
64	Au/3DOM Co3O4: highly active nanocatalysts for the oxidation of carbon monoxide and toluene. Nanoscale, 2013, 5, 11207.	2.8	133
65	Au/3DOM LaCoO3: High-performance catalysts for the oxidation of carbon monoxide and toluene. Chemical Engineering Journal, 2013, 228, 965-975.	6.6	114
66	Au/3DOM La0.6Sr0.4MnO3: Highly active nanocatalysts for the oxidation of carbon monoxide and toluene. Journal of Catalysis, 2013, 305, 146-153.	3.1	146
67	One-pot hydrothermal preparation and catalytic performance of porous strontium ferrite hollow spheres for the combustion of toluene. Journal of Molecular Catalysis A, 2013, 370, 189-196.	4.8	14
68	3DOM InVO4-supported chromia with good performance for the visible-light-driven photodegradation of rhodamine B. Solid State Sciences, 2013, 24, 62-70.	1.5	48
69	Glucose-assisted hydrothermal preparation and catalytic performance of porous LaFeO3 for toluene combustion. Journal of Solid State Chemistry, 2013, 199, 164-170.	1.4	43
70	Preparation and catalytic performance of cylinder- and cake-like Cr2O3 for toluene combustion. Catalysis Communications, 2013, 36, 43-47.	1.6	36
71	PMMA-templating generation and high catalytic performance of chain-like ordered macroporous LaMnO3 supported gold nanocatalysts for the oxidation of carbon monoxide and toluene. Applied Catalysis B: Environmental, 2013, 140-141, 317-326.	10.8	74