

Jiguang Deng

List of Publications by Year in descending order

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214
papers

12,058
citations

16451

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36028

97
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all docs

218
docs citations

218
times ranked

8204
citing authors

#	ARTICLE	IF	CITATIONS
1	Component regulation in novel La-Co-O-C composite catalyst for boosted redox reactions and enhanced thermal stability in methane combustion. <i>Journal of Environmental Sciences</i> , 2023, 126, 459-469.	6.1	5
2	Comparison of separated and combined photodegradation and biofiltration technology for the treatment of volatile organic compounds: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 1325-1355.	12.8	16
3	Phosphorus-containing g-C ₃ N ₄ photocatalysts for hydrogen evolution: A review. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 42136-42149.	7.1	17
4	Band alignment of homojunction by anchoring CN quantum dots on g-C ₃ N ₄ (0D/2D) enhance photocatalytic hydrogen peroxide evolution. <i>Applied Catalysis B: Environmental</i> , 2022, 300, 120736.	20.2	70
5	Catalytic stability enhancement for pollutant removal via balancing lattice oxygen mobility and VOCs adsorption. <i>Journal of Hazardous Materials</i> , 2022, 424, 127337.	12.4	57
6	Selective photocatalytic oxidation of gaseous ammonia at ppb level over Pt and F modified TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2022, 300, 120688.	20.2	30
7	Electronic structure tailoring of Al ³⁺ - and Ta ⁵⁺ -doped CeO ₂ for the synergistic removal of NO and chlorinated organics. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120939.	20.2	42
8	An isotopic strategy to investigate the role of water vapor in the oxidation of 1,2-dichloroethane over the Ru/WO ₃ or Ru/TiO ₂ catalyst. <i>Applied Catalysis B: Environmental</i> , 2022, 305, 121037.	20.2	35
9	Experimental and density functional theory investigations on the oxidation of typical aromatics over the intermetallic compounds-derived AuMn/meso-Fe ₂ O ₃ catalysts. <i>Journal of Catalysis</i> , 2022, 405, 273-287.	6.2	11
10	Structure-activity relationship of Pt catalyst on engineered ceria-alumina support for CO oxidation. <i>Journal of Catalysis</i> , 2022, 405, 236-248.	6.2	23
11	Copper Single Atom-Triggered Niobia-Ceria Catalyst for Efficient Low-Temperature Reduction of Nitrogen Oxides. <i>ACS Catalysis</i> , 2022, 12, 2441-2453.	11.2	48
12	Amino acid-deep eutectic solvents/LaCoO ₃ mutualism system: Forming La-Co-C-O hybrid for low temperature methane catalytic oxidation. <i>Fuel</i> , 2022, 316, 123358.	6.4	7
13	Pd/silicalite-1: An highly active catalyst for the oxidative removal of toluene. <i>Journal of Environmental Sciences</i> , 2022, 116, 209-219.	6.1	7
14	Catalytic performance and SO ₂ resistance of zirconia-supported platinum-palladium bimetallic nanoparticles for methane combustion. <i>Catalysis Today</i> , 2022, 402, 138-148.	4.4	8
15	Achieving efficient toluene oxidation over metal-organic framework-derived Pt/CeO ₂ -Co ₃ O ₄ catalyst. <i>Applied Surface Science</i> , 2022, 591, 153225.	6.1	25
16	Electronically Engineering Water Resistance in Methane Combustion with an Atomically Dispersed Tungsten on PdO Catalyst. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	63
17	Electronically Engineering Water Resistance in Methane Combustion with an Atomically Dispersed Tungsten on PdO Catalyst. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	9
18	Synergy in Au-CuO Janus Structure for Catalytic Isopropanol Oxidative Dehydrogenation to Acetone. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5

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19	Synergy in Au ⁺ CuO Janus Structure for Catalytic Isopropanol Oxidative Dehydrogenation to Acetone. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	30
20	Hetero-phase dendritic elemental phosphorus for visible light photocatalytic hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2022, 312, 121428.	20.2	15
21	Enhanced Performance of Supported Ternary Metal Catalysts for the Oxidation of Toluene in the Presence of Trichloroethylene. <i>Catalysts</i> , 2022, 12, 541.	3.5	2
22	Photothermal Synergistic Effect of Pt ₁ /CuO-CeO ₂ Single-Atom Catalysts Significantly Improving Toluene Removal. <i>Environmental Science & Technology</i> , 2022, 56, 8722-8732.	10.0	52
23	Engineering Platinum Catalysts via a Site-Isolation Strategy with Enhanced Chlorine Resistance for the Elimination of Multicomponent VOCs. <i>Environmental Science & Technology</i> , 2022, 56, 9672-9682.	10.0	17
24	Mesoporous Na _x MnO _y -Supported Platinum-Cobalt Bimetallic Single-Atom Catalysts with Good Sulfur Dioxide Tolerance in Propane Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8326-8341.	6.7	7
25	N-doped carbon-modified palladium catalysts with superior water resistant performance for the oxidative removal of toxic aromatics. <i>Journal of Hazardous Materials</i> , 2022, 437, 129358.	12.4	10
26	Photocatalytic Cr(VI) elimination over BUC-21/N-K ₂ Ti ₄ O ₉ composites: Big differences in performance resulting from small differences in composition. <i>Chinese Journal of Catalysis</i> , 2021, 42, 259-270.	14.0	33
27	AuPd/Co ₃ O ₄ /3DOM MnCo ₂ O ₄ : Highly active catalysts for methane combustion. <i>Catalysis Today</i> , 2021, 376, 134-143.	4.4	12
28	Effect of support nature on catalytic activity of the bimetallic RuCo nanoparticles for the oxidative removal of 1,2-dichloroethane. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119804.	20.2	35
29	Mercury vapor adsorption and sustainable recovery using novel electrothermal swing system with gold-electrodeposited activated carbon fiber cloth. <i>Journal of Hazardous Materials</i> , 2021, 410, 124586.	12.4	8
30	Effect of transition metal oxide doping on catalytic activity of titania for the oxidation of 1,2-dichloroethane. <i>Catalysis Today</i> , 2021, 375, 623-634.	4.4	19
31	Combustion of acetylene over the mesoporous CeO ₂ -supported IrFe bimetallic catalysts. <i>Catalysis Today</i> , 2021, 382, 22-33.	4.4	3
32	The Binding Strength of Reactive H*: A Neglected Key Factor in Rh-Catalyzed Environmental Hydrodefluorination Reaction. <i>ACS ES&T Engineering</i> , 2021, 1, 1036-1045.	7.6	6
33	Highly Active and Stable Palladium Catalysts on Novel Ceria-Alumina Supports for Efficient Oxidation of Carbon Monoxide and Hydrocarbons. <i>Environmental Science & Technology</i> , 2021, 55, 7624-7633.	10.0	28
34	Highly efficient and enhanced sulfur resistance supported bimetallic single-atom palladium-cobalt catalysts for benzene oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119844.	20.2	83
35	Catalytic combustion of methane conducted on La-Ba-C (B Co, Mn, Fe) composites: The effects of B-sites cation properties. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 23954-23961.	7.1	8
36	Influence of preparation method on catalytic performance of three-dimensionally ordered macroporous NiO-CuO for CO oxidation. <i>Journal of Solid State Chemistry</i> , 2021, 297, 122091.	2.9	9

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37	Promotional roles of second metals in catalyzing methane decomposition over the Ni-based catalysts for hydrogen production: A critical review. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 20435-20480.	7.1	54
38	Emissions, measurement, and control of odor in livestock farms: A review. <i>Science of the Total Environment</i> , 2021, 776, 145735.	8.0	79
39	Elemental red phosphorus-based photocatalysts for environmental remediation: A review. <i>Chemosphere</i> , 2021, 274, 129793.	8.2	34
40	Catalytic performance and intermediates identification of trichloroethylene deep oxidation over Ru/3DOM SnO ₂ catalysts. <i>Journal of Catalysis</i> , 2021, 400, 310-324.	6.2	26
41	Nanotubular OMS-2 Supported Single-Atom Platinum Catalysts Highly Active for Benzene Oxidation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17696-17708.	3.1	22
42	Support promotion effect on the SO ₂ and K ⁺ co-poisoning resistance of MnO ₂ /TiO ₂ for NH ₃ -SCR of NO. <i>Journal of Hazardous Materials</i> , 2021, 416, 126117.	12.4	53
43	In situ construction of elemental phosphorus nanorod-modified TiO ₂ photocatalysts for efficient visible-light-driven H ₂ generation. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120412.	20.2	30
44	Phosphorus vapor assisted preparation of P-doped ultrathin hollow g-C ₃ N ₄ sphere for efficient solar-to-hydrogen conversion. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120438.	20.2	47
45	An investigation on catalytic performance and reaction mechanism of RuMn/meso-TiO ₂ derived from RuMn intermetallic compounds for methyl ethyl ketone oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120361.	20.2	16
46	Simulated solar light driven photothermal catalytic purification of toluene over iron oxide supported single atom Pt catalyst. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120612.	20.2	54
47	High Selectivity to HCl for the Catalytic Removal of 1,2-Dichloroethane Over RuP/3DOM WO ₃ : Insights into the Effects of P-Doping and H ₂ O Introduction. <i>Environmental Science & Technology</i> , 2021, 55, 14906-14916.	10.0	33
48	Facilitating Catalytic Purification of Auto-Exhaust Carbon Particles via the Fe ₂ O ₃ {111} Facet-dependent Effect in Pt/Fe ₂ O ₃ Catalysts. <i>Environmental Science & Technology</i> , 2021, 55, 16153-16162.	10.0	18
49	Three-dimensionally ordered macroporous Cr ₂ O ₃ ~CeO ₂ : High-performance catalysts for the oxidative removal of trichloroethylene. <i>Catalysis Today</i> , 2020, 339, 200-209.	4.4	35
50	In situ molten salt derived iron oxide supported platinum catalyst with high catalytic performance for o-xylene elimination. <i>Catalysis Today</i> , 2020, 351, 30-36.	4.4	15
51	Activated carbon supported MnO nanoparticles for efficient ozone decomposition at room temperature. <i>Catalysis Today</i> , 2020, 355, 573-579.	4.4	35
52	Mesoporous cobalt monoxide-supported platinum nanoparticles: Superior catalysts for the oxidative removal of benzene. <i>Journal of Environmental Sciences</i> , 2020, 90, 170-179.	6.1	11
53	Insights into the active sites of chlorine-resistant Pt-based bimetallic catalysts for benzene oxidation. <i>Applied Catalysis B: Environmental</i> , 2020, 279, 119372.	20.2	62
54	Facet-Dependent Cobalt Ion Distribution on the Co ₃ O ₄ Nanocatalyst Surface. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9913-9919.	4.6	20

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55	A short review of bioaerosol emissions from gas bioreactors: Health threats, influencing factors and control technologies. <i>Chemosphere</i> , 2020, 253, 126737.	8.2	32
56	3DOM CeO ₂ -supported Ru _y (M = Au, Pd, Pt) alloy nanoparticles with improved catalytic activity and chlorine-tolerance in trichloroethylene oxidation. <i>Catalysis Science and Technology</i> , 2020, 10, 3755-3770.	4.1	25
57	Performance enhancement of a biofilter with pH buffering and filter bed supporting material in removal of chlorobenzene. <i>Chemosphere</i> , 2020, 251, 126358.	8.2	22
58	Mechanistic insights into toluene degradation under VUV irradiation coupled with photocatalytic oxidation. <i>Journal of Hazardous Materials</i> , 2020, 399, 122967.	12.4	48
59	Carbon Monoxide Oxidation over rGO-Mediated Gold/Cobalt Oxide Catalysts with Strong Metal-Support Interaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31467-31476.	8.0	24
60	Comprehending adsorption of methylethylketone and toluene and microwave regeneration effectiveness for beaded activated carbon derived from recycled waste bamboo tar. <i>Journal of the Air and Waste Management Association</i> , 2020, 70, 616-628.	1.9	10
61	Intermetallic compound PtMn _n -derived Pt ^δ MnO supported on mesoporous CeO ₂ : Highly efficient catalysts for the combustion of toluene. <i>Applied Catalysis A: General</i> , 2020, 595, 117509.	4.3	30
62	Probing toluene catalytic removal mechanism over supported Pt nano- and single-atom-catalyst. <i>Journal of Hazardous Materials</i> , 2020, 392, 122258.	12.4	85
63	Toluene Oxidation over the M ^δ Al (M = Ce, La, Co, Ce ^δ La, and Ce ^δ Co) Catalysts Derived from the Modified α -One-Pot α -Evaporation-Induced Self-Assembly Method: Effects of Microwave or Ultrasound Irradiation and Noble-Metal Loading on Catalytic Activity and Stability. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5624-5635.	3.7	10
64	Microfluidics revealing formation mechanism of intermetallic nanocrystals. <i>Nano Energy</i> , 2020, 70, 104565.	16.0	12
65	Rare earth oxides and their supported noble metals in application of environmental catalysis. <i>Journal of Rare Earths</i> , 2020, 38, 819-839.	4.8	49
66	A Resource utilization method for volatile organic compounds emission from the semiconductor industry: Selective catalytic oxidation of isopropanol to acetone Over Au _{1±} -Fe ₂ O ₃ nanosheets. <i>Applied Catalysis B: Environmental</i> , 2020, 275, 119011.	20.2	31
67	PtRu nanoparticles partially embedded in the 3DOM Ce _{0.7} Zr _{0.3} O ₂ skeleton: Active and stable catalysts for toluene combustion. <i>Journal of Catalysis</i> , 2020, 385, 274-288.	6.2	42
68	Size effect, mutual inhibition and oxidation mechanism of the catalytic removal of a toluene and acetone mixture over TiO ₂ nanosheet-supported Pt nanocatalysts. <i>Applied Catalysis B: Environmental</i> , 2020, 274, 118963.	20.2	125
69	Evaluation of the CO ₂ tolerant cathode for solid oxide fuel cells: Praseodymium oxysulfates/Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} . <i>Applied Surface Science</i> , 2019, 472, 10-15.	6.1	17
70	Preparation and high catalytic performance of Co ₃ O ₄ δ -MnO ₂ for the combustion of o-xylene. <i>Catalysis Today</i> , 2019, 327, 246-253.	4.4	28
71	Pt Co/meso-MnO : Highly efficient catalysts for low-temperature methanol combustion. <i>Catalysis Today</i> , 2019, 332, 168-176.	4.4	16
72	Pd/meso-CoO derived from in situ reduction of the one-step synthesized Pd/meso-Co ₃ O ₄ : high-performance catalysts for benzene combustion. <i>New Journal of Chemistry</i> , 2019, 43, 12358-12368.	2.8	11

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73	Ru Nanoparticles Supported on Oxygen-Deficient 3DOM BiVO ₄ : High-Performance Catalysts for the Visible-Light-Driven Selective Oxidation of Benzyl Alcohol. <i>ChemCatChem</i> , 2019, 11, 6398-6407.	3.7	9
74	Influence of group VIB metals on activity of the Ni/MgO catalysts for methane decomposition. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 515-525.	20.2	79
75	Alloying of gold with palladium: An effective strategy to improve catalytic stability and chlorine-tolerance of the 3DOM CeO ₂ -supported catalysts in trichloroethylene combustion. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117879.	20.2	83
76	AgAuPd/meso-Co ₃ O ₄ : High-performance catalysts for methanol oxidation. <i>Chinese Journal of Catalysis</i> , 2019, 40, 837-848.	14.0	13
77	Partially embedding Pt nanoparticles in the skeleton of 3DOM Mn ₂ O ₃ : An effective strategy for enhancing catalytic stability in toluene combustion. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117814.	20.2	104
78	Supported ceria-modified silver catalysts with high activity and stability for toluene removal. <i>Environment International</i> , 2019, 128, 335-342.	10.0	36
79	Supported ultralow loading Pt catalysts with high H ₂ O-, CO ₂ -, and SO ₂ -resistance for acetone removal. <i>Applied Catalysis A: General</i> , 2019, 579, 106-115.	4.3	65
80	Coupled Palladium-Tungsten Bimetallic Nanosheets/TiO ₂ Hybrids with Enhanced Catalytic Activity and Stability for the Oxidative Removal of Benzene. <i>Environmental Science & Technology</i> , 2019, 53, 5926-5935.	10.0	59
81	Mesoporous Ni/MeO (Me = Al, Mg, Ti, and Si): Highly efficient catalysts in the decomposition of methane for hydrogen production. <i>Applied Surface Science</i> , 2019, 478, 581-593.	6.1	60
82	Robust photocatalytic reduction of Cr(VI) on UiO-66-NH ₂ (Zr/Hf) metal-organic framework membrane under sunlight irradiation. <i>Chemical Engineering Journal</i> , 2019, 356, 393-399.	12.7	255
83	Three-dimensionally ordered mesoporous iron oxide-supported single-atom platinum: Highly active catalysts for benzene combustion. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 650-659.	20.2	159
84	Enhanced photocatalytic Cr(VI) reduction and diclofenac sodium degradation under simulated sunlight irradiation over MIL-100(Fe)/g-C ₃ N ₄ heterojunctions. <i>Chinese Journal of Catalysis</i> , 2019, 40, 70-79.	14.0	136
85	Mesoporous CoO-supported palladium nanocatalysts with high performance for <i>o</i> -xylene combustion. <i>Catalysis Science and Technology</i> , 2018, 8, 806-816.	4.1	47
86	Concurrent catalytic removal of typical volatile organic compound mixtures over Au-Pd/±-MnO ₂ nanotubes. <i>Journal of Environmental Sciences</i> , 2018, 64, 276-288.	6.1	70
87	Co-Pd/BiVO ₄ : High-performance photocatalysts for the degradation of phenol under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 350-359.	20.2	116
88	Au-Pd/mesoporous Fe ₂ O ₃ : Highly active photocatalysts for the visible-light-driven degradation of acetone. <i>Journal of Environmental Sciences</i> , 2018, 70, 74-86.	6.1	14
89	3DOM LaMnAl ₁₁ O ₁₉ -supported AuPd alloy nanoparticles: Highly active catalysts for methane combustion in a continuous-flow microreactor. <i>Catalysis Today</i> , 2018, 308, 71-80.	4.4	13
90	Promotional role of Mn doping on catalytic oxidation of VOCs over mesoporous TiO ₂ under vacuum ultraviolet (VUV) irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 78-87.	20.2	95

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91	AuPd/3DOM TiO ₂ Catalysts: Good Activity and Stability for the Oxidation of Trichloroethylene. <i>Catalysts</i> , 2018, 8, 666.	3.5	13
92	AuRu/meso-Mn ₂ O ₃ : A Highly Active and Stable Catalyst for Methane Combustion. IOP Conference Series: Materials Science and Engineering, 2018, 359, 012022.	0.6	1
93	Highly Active and Stable Pd ⁵⁺ GaO ₂ /Al ₂ O ₃ Catalysts Derived from Intermetallic Pd ₅ Ga ₃ Nanocrystals for Methane Combustion. <i>ChemCatChem</i> , 2018, 10, 5637-5648.	3.7	21
94	In-situ reduction-derived Pd/3DOM La _{0.6} Sr _{0.4} MnO ₃ : Good catalytic stability in methane combustion. <i>Applied Catalysis A: General</i> , 2018, 568, 202-212.	4.3	14
95	Preparation, characterization, and catalytic performance of PdPt/3DOM LaMnAl ₁₁ O ₁₉ for the combustion of methane. <i>Applied Catalysis A: General</i> , 2018, 562, 284-293.	4.3	14
96	Effect of transition metal doping on the catalytic performance of Au ⁰ /Pd/3DOM Mn ₂ O ₃ for the oxidation of methane and o-xylene. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 221-232.	20.2	129
97	Catalytic performance enhancement by alloying Pd with Pt on ordered mesoporous manganese oxide for methane combustion. <i>Chinese Journal of Catalysis</i> , 2017, 38, 92-105.	14.0	33
98	Efficient Removal of Methane over Cobalt-Monoxide-Doped AuPd Nanocatalysts. <i>Environmental Science & Technology</i> , 2017, 51, 2271-2279.	10.0	53
99	Enhanced catalytic performance for methane combustion of 3DOM CoFe ₂ O ₄ by co-loading MnO and Pd ⁰ -Pt alloy nanoparticles. <i>Applied Surface Science</i> , 2017, 403, 590-600.	6.1	43
100	Insights into the active sites of ordered mesoporous cobalt oxide catalysts for the total oxidation of o-xylene. <i>Journal of Catalysis</i> , 2017, 352, 282-292.	6.2	95
101	Bias polarization study of steam electrolysis by composite oxygen electrode Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} /BaCe _{0.4} Zr _{0.4} Y _{0.2} O _{3-δ} . <i>Applied Surface Science</i> , 2017, 424, 82-86.	6.1	2
102	Catalytic performance of cobalt oxide-supported gold-palladium nanocatalysts for the removal of toluene and o-xylene. <i>Chinese Journal of Catalysis</i> , 2017, 38, 207-216.	14.0	30
103	Graphitic carbon nitride-supported iron oxides: High-performance photocatalysts for the visible-light-driven degradation of 4-nitrophenol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 336, 105-114.	3.9	36
104	Mesoporous Pd Pt alloys: High-performance catalysts for methane combustion. <i>Molecular Catalysis</i> , 2017, 442, 191-201.	2.0	18
105	Three-dimensionally ordered macroporous LaMnAl ₁₁ O ₁₉ -supported Pd nanocatalysts highly active for methane combustion. <i>Molecular Catalysis</i> , 2017, 439, 200-210.	2.0	15
106	Three-dimensionally ordered macroporous CoCr ₂ O ₄ -supported Au ⁰ -Pd alloy nanoparticles: Highly active catalysts for methane combustion. <i>Catalysis Today</i> , 2017, 281, 467-476.	4.4	36
107	Fe ₂ O ₃ /3DOM BiVO ₄ : High-performance photocatalysts for the visible light-driven degradation of 4-nitrophenol. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 569-579.	20.2	175
108	Mn ₃ O ₄ -Au/3DOM La _{0.6} Sr _{0.4} CoO ₃ : High-performance catalysts for toluene oxidation. <i>Catalysis Today</i> , 2017, 281, 437-446.	4.4	41

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109	Photocatalytic Cr(VI) reduction and organic-pollutant degradation in a stable 2D coordination polymer. Chinese Journal of Catalysis, 2017, 38, 2141-2149.	14.0	59
110	PtxNi/meso-Al ₂ O ₃ (x = 0.60~2.07): High- Performance Catalysts for the Hydrogenation of N-Butanal at Low Temperatures. , 2017, , 201-212.		0
111	AuPt/3DOM CoCr ₂ O ₄ : Highly Active Catalysts for the Combustion of Methane. The Global Environmental Engineers, 2017, 4, 24-36.	0.3	2
112	High Performance Au~Pd Supported on 3D Hybrid Strontium-Substituted Lanthanum Manganite Perovskite Catalyst for Methane Combustion. ACS Catalysis, 2016, 6, 6935-6947.	11.2	158
113	Three-dimensionally ordered macroporous CeO ₂ -supported Pd@Co nanoparticles: Highly active catalysts for methane oxidation. Journal of Catalysis, 2016, 342, 17-26.	6.2	131
114	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.	14.0	101
115	Pt/Co ₃ O ₄ /3DOM Al ₂ O ₃ : Highly effective catalysts for toluene combustion. Chinese Journal of Catalysis, 2016, 37, 934-946.	14.0	36
116	Preparation and catalytic performance of Ag, Au, Pd or Pt nanoparticles supported on 3DOM CeO ₂ ~Al ₂ O ₃ for toluene oxidation. Journal of Molecular Catalysis A, 2016, 414, 9-18.	4.8	83
117	Mesoporous Cr ₂ O ₃ -supported Au~Pd nanoparticles: High-performance catalysts for the oxidation of toluene. Microporous and Mesoporous Materials, 2016, 224, 311-322.	4.4	70
118	Fabrication and Catalytic Performance of Au/3DOM Fe ₂ O ₃ Catalysts for the Oxidative Removal of Toluene. , 2016, , .		0
119	Au/MnO _x /3DOM La _{0.6} Sr _{0.4} MnO ₃ : Highly Active Nanocatalysts for the Complete Oxidation of Toluene. Industrial & Engineering Chemistry Research, 2015, 54, 900-910.	3.7	35
120	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.	20.2	95
121	Three-dimensionally ordered macroporous Pr ₆ O ₁₁ and Tb ₄ O ₇ with mesoporous walls: Preparation, characterization, and catalytic activity for CO oxidation. Catalysis Today, 2015, 245, 28-36.	4.4	42
122	Ce _{0.6} Zr _{0.3} Y _{0.1} O ₂ nanorod supported gold and palladium alloy nanoparticles: high-performance catalysts for toluene oxidation. Nanoscale, 2015, 7, 8510-8523.	5.6	49
123	Excellent catalytic performance, thermal stability, and water resistance of 3DOM Mn ₂ O ₃ -supported Au~Pd alloy nanoparticles for the complete oxidation of toluene. Applied Catalysis A: General, 2015, 507, 82-90.	4.3	90
124	Au/MnO ₂ /3DOM SiO ₂ : Highly active catalysts for toluene oxidation. Applied Catalysis A: General, 2015, 507, 139-148.	4.3	37
125	Three-dimensionally ordered mesoporous Co ₃ O ₄ -supported Au~Pd alloy nanoparticles: High-performance catalysts for methane combustion. Journal of Catalysis, 2015, 332, 13-24.	6.2	129
126	Synthesis, Characterization, and Catalytic Properties of MnO _x /SBA-16 for Toluene Oxidation. , 2015, , .		2

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127	Ultralow Loading of Silver Nanoparticles on Mn ₂ O ₃ Nanowires Derived with Molten Salts: A High-Efficiency Catalyst for the Oxidative Removal of Toluene. <i>Environmental Science & Technology</i> , 2015, 49, 11089-11095.	10.0	123
128	Au@Pd/3DOM Co ₃ O ₄ : Highly active and stable nanocatalysts for toluene oxidation. <i>Journal of Catalysis</i> , 2015, 322, 38-48.	6.2	270
129	Fabrication and high photocatalytic performance of noble metal nanoparticles supported on 3DOM InVO ₄ @BiVO ₄ for the visible-light-driven degradation of rhodamine B and methylene blue. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 285-295.	20.2	121
130	Catalytic Removal of Volatile Organic Compounds over Porous Catalysts. <i>The Global Environmental Engineers</i> , 2015, 2, 1-14.	0.3	4
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