Jiguang Deng

List of Publications by Year in descending order

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214 papers	12,058 citations	16451 64 h-index	36028 97 g-index
218 all docs	218 docs citations	218 times ranked	8204 citing authors

#	Article	IF	Citations
1	Manganese Oxides with Rod-, Wire-, Tube-, and Flower-Like Morphologies: Highly Effective Catalysts for the Removal of Toluene. Environmental Science & Technology, 2012, 46, 4034-4041.	10.0	671
2	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.	6.2	320
3	Auâ€“Pd/3DOM Co 3 O 4 : Highly active and stable nanocatalysts for toluene oxidation. Journal of Catalysis, 2015, 322, 38-48.	6.2	270
4	Robust photocatalytic reduction of Cr(VI) on UiO-66-NH2(Zr/Hf) metal-organic framework membrane under sunlight irradiation. Chemical Engineering Journal, 2019, 356, 393-399.	12.7	255
5	Controlled preparation and high catalytic performance of three-dimensionally ordered macroporous LaMnO3 with nanovoid skeletons for the combustion of toluene. Journal of Catalysis, 2012, 287, 149-160.	6.2	230
6	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.	6.2	206
7	Fe2O3/3DOM BiVO4: High-performance photocatalysts for the visible light-driven degradation of 4-nitrophenol. Applied Catalysis B: Environmental, 2017, 202, 569-579.	20.2	175
8	Three-dimensionally ordered mesoporous iron oxide-supported single-atom platinum: Highly active catalysts for benzene combustion. Applied Catalysis B: Environmental, 2019, 244, 650-659.	20.2	159
9	Porous olive-like BiVO4: Alcoho-hydrothermal preparation and excellent visible-light-driven photocatalytic performance for the degradation of phenol. Applied Catalysis B: Environmental, 2011, 105, 326-334.	20.2	158
10	High Performance Auâ€“Pd Supported on 3D Hybrid Strontium-Substituted Lanthanum Manganite Perovskite Catalyst for Methane Combustion. ACS Catalysis, 2016, 6, 6935-6947.	11.2	158
11	Porous Co3O4 nanowires and nanorods: Highly active catalysts for the combustion of toluene. Applied Catalysis A: General, 2013, 450, 42-49.	4.3	156
12	Au/3DOM La0.6Sr0.4MnO3: Highly active nanocatalysts for the oxidation of carbon monoxide and toluene. Journal of Catalysis, 2013, 305, 146-153.	6.2	146
13	Nanosized perovskite-type oxides La1â^'xSrxMO3â^'Î´ (M=Co, Mn; x=0, 0.4) for the catalytic removal of ethylacetate. Catalysis Today, 2007, 126, 420-429.	4.4	143
14	Enhanced photocatalytic Cr(VI) reduction and diclofenac sodium degradation under simulated sunlight irradiation over MIL-100(Fe)/g-C3N4 heterojunctions. Chinese Journal of Catalysis, 2019, 40, 70-79.	14.0	136
15	Rod-, flower-, and dumbbell-like MnO2: Highly active catalysts for the combustion of toluene. Applied Catalysis A: General, 2012, 433-434, 206-213.	4.3	133
16	Au/3DOM Co3O4: highly active nanocatalysts for the oxidation of carbon monoxide and toluene. Nanoscale, 2013, 5, 11207.	5.6	133
17	Three-dimensionally ordered macroporous CeO2-supported Pd@Co nanoparticles: Highly active catalysts for methane oxidation. Journal of Catalysis, 2016, 342, 17-26.	6.2	131
18	In situ poly(methyl methacrylate)-templating generation and excellent catalytic performance of MnOx/3DOM LaMnO3 for the combustion of toluene and methanol. Applied Catalysis B: Environmental, 2013, 140-141, 493-505.	20.2	130

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19	Three-dimensionally ordered mesoporous Co3O4-supported Auâ€“Pd alloy nanoparticles: High-performance catalysts for methane combustion. Journal of Catalysis, 2015, 332, 13-24.	6.2	129
20	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.	20.2	129
21	Size effect, mutual inhibition and oxidation mechanism of the catalytic removal of a toluene and acetone mixture over TiO2 nanosheet-supported Pt nanocatalysts. Applied Catalysis B: Environmental, 2020, 274, 118963.	20.2	125
22	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.	4.0	124
23	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.	10.0	123
24	Fabrication and high photocatalytic performance of noble metal nanoparticles supported on 3DOM InVO4â€“BiVO4 for the visible-light-driven degradation of rhodamine B and methylene blue. Applied Catalysis B: Environmental, 2015, 165, 285-295.	20.2	121
25	Coâ€“Pd/BiVO4: High-performance photocatalysts for the degradation of phenol under visible light irradiation. Applied Catalysis B: Environmental, 2018, 224, 350-359.	20.2	116
26	Au/3DOM LaCoO3: High-performance catalysts for the oxidation of carbon monoxide and toluene. Chemical Engineering Journal, 2013, 228, 965-975.	12.7	114
27	Strontium-Doped Lanthanum Cobaltite and Manganite: Highly Active Catalysts for Toluene Complete Oxidation. Industrial & Engineering Chemistry Research, 2008, 47, 8175-8183.	3.7	110
28	Ultrasound-Assisted Nanocasting Fabrication of Ordered Mesoporous MnO₂ and Co₃O₄ with High Surface Areas and Polycrystalline Walls. Journal of Physical Chemistry C, 2010, 114, 2694-2700.	3.1	108
29	Ultrasound-assisted nanocasting fabrication and excellent catalytic performance of three-dimensionally ordered mesoporous chromia for the combustion of formaldehyde, acetone, and methanol. Applied Catalysis B: Environmental, 2010, 100, 229-237.	20.2	106
30	Hydrothermal Fabrication and Catalytic Properties of La_{1-x}Sr_xM_{1-y}Fe_yO₃ (M = Mn, Co) That Are Highly Active for the Removal of Toluene. Environmental Science & Technology, 2010, 44, 2618-2623.	10.0	105
31	Partially embedding Pt nanoparticles in the skeleton of 3DOM Mn2O3: An effective strategy for enhancing catalytic stability in toluene combustion. Applied Catalysis B: Environmental, 2019, 256, 117814.	20.2	104
32	Mesoporous Chromia with Ordered Three-Dimensional Structures for the Complete Oxidation of Toluene and Ethyl Acetate. Environmental Science & Technology, 2009, 43, 8355-8360.	10.0	103
33	Porous NiO nanoflowers and nanourchins: Highly active catalysts for toluene combustion. Catalysis Communications, 2012, 27, 148-153.	3.3	102
34	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
35	Three-dimensional ordered macroporous bismuth vanadates: PMMA-templating fabrication and excellent visible light-driven photocatalytic performance for phenol degradation. Nanoscale, 2012, 4, 2317.	5.6	95
36	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

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37	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.	6.2	95
38	Promotional role of Mn doping on catalytic oxidation of VOCs over mesoporous TiO2 under vacuum ultraviolet (VUV) irradiation. Applied Catalysis B: Environmental, 2018, 220, 78-87.	20.2	95
39	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.	4.3	90
40	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.	3.1	89
41	High-performance porous spherical or octapod-like single-crystalline BiVO4 photocatalysts for the removal of phenol and methylene blue under visible-light illumination. Journal of Hazardous Materials, 2012, 217-218, 92-99.	12.4	88
42	Lysine-aided PMMA-templating preparation and high performance of three-dimensionally ordered macroporous LaMnO3 with mesoporous walls for the catalytic combustion of toluene. Applied Catalysis B: Environmental, 2012, 119-120, 20-31.	20.2	86
43	Hydrothermal fabrication and visible-light-driven photocatalytic properties of bismuth vanadate with multiple morphologies and/or porous structures for Methyl Orange degradation. Journal of Environmental Sciences, 2012, 24, 449-457.	6.1	85
44	The microemulsion preparation and high catalytic performance of mesoporous NiO nanorods and nanocubes for toluene combustion. Chemical Engineering Journal, 2013, 219, 200-208.	12.7	85
45	Probing toluene catalytic removal mechanism over supported Pt nano- and single-atom-catalyst. Journal of Hazardous Materials, 2020, 392, 122258.	12.4	85
46	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.	8.0	84
47	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.	12.4	84
48	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
49	Alloying of gold with palladium: An effective strategy to improve catalytic stability and chlorine-tolerance of the 3DOM CeO2-supported catalysts in trichloroethylene combustion. Applied Catalysis B: Environmental, 2019, 257, 117879.	20.2	83
50	Highly efficient and enhanced sulfur resistance supported bimetallic single-atom palladiumâ€“cobalt catalysts for benzene oxidation. Applied Catalysis B: Environmental, 2021, 285, 119844.	20.2	83
51	Three-dimensionally ordered and wormhole-like mesoporous iron oxide catalysts highly active for the oxidation of acetone and methanol. Journal of Hazardous Materials, 2011, 186, 84-91.	12.4	80
52	Influence of group VIB metals on activity of the Ni/MgO catalysts for methane decomposition. Applied Catalysis B: Environmental, 2019, 248, 515-525.	20.2	79
53	Emissions, measurement, and control of odor in livestock farms: A review. Science of the Total Environment, 2021, 776, 145735.	8.0	79
54	Solvo- or hydrothermal fabrication and excellent carbon dioxide adsorption behaviors of magnesium oxides with multiple morphologies and porous structures. Materials Chemistry and Physics, 2011, 128, 348-356.	4.0	78

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55	In situ hydrothermally synthesized mesoporous LaCoO3/SBA-15 catalysts: High activity for the complete oxidation of toluene and ethyl acetate. Applied Catalysis A: General, 2009, 352, 43-49.	4.3	77
56	P123-PMMA Dual-Templating Generation and Unique Physicochemical Properties of Three-Dimensionally Ordered Macroporous Iron Oxides with Nanovoids in the Crystalline Walls. Inorganic Chemistry, 2011, 50, 2534-2544.	4.0	77
57	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.	20.2	74
58	Three-dimensionally ordered macroporous InVO4: Fabrication and excellent visible-light-driven photocatalytic performance for methylene blue degradation. Chemical Engineering Journal, 2013, 226, 87-94.	12.7	73
59	Hydrothermally fabricated single-crystalline strontium-substituted lanthanum manganite microcubes for the catalytic combustion of toluene. Journal of Molecular Catalysis A, 2009, 299, 60-67.	4.8	72
60	Mesoporous Cr2O3-supported Auâ€“Pd nanoparticles: High-performance catalysts for the oxidation of toluene. Microporous and Mesoporous Materials, 2016, 224, 311-322.	4.4	70
61	Concurrent catalytic removal of typical volatile organic compound mixtures over Au-Pd/Î±-MnO 2 nanotubes. Journal of Environmental Sciences, 2018, 64, 276-288.	6.1	70
62	Band alignment of homojunction by anchoring CN quantum dots on g-C3N4 (0D/2D) enhance photocatalytic hydrogen peroxide evolution. Applied Catalysis B: Environmental, 2022, 300, 120736.	20.2	70
63	In situ PMMA-templating preparation and excellent catalytic performance of Co3O4/3DOM La0.6Sr0.4CoO3 for toluene combustion. Applied Catalysis A: General, 2013, 458, 11-20.	4.3	67
64	P123-Assisted Hydrothermal Synthesis and Characterization of Rectangular Parallelepiped and Hexagonal Prism Single-Crystalline MgO with Three-Dimensional Wormholelike Mesopores. Inorganic Chemistry, 2008, 47, 4015-4022.	4.0	65
65	Supported ultralow loading Pt catalysts with high H2O-, CO2-, and SO2-resistance for acetone removal. Applied Catalysis A: General, 2019, 579, 106-115.	4.3	65
66	Electronically Engineering Water Resistance in Methane Combustion with an Atomically Dispersed Tungsten on PdO Catalyst. Angewandte Chemie - International Edition, 2022, 61, .	13.8	63
67	Insights into the active sites of chlorine-resistant Pt-based bimetallic catalysts for benzene oxidation. Applied Catalysis B: Environmental, 2020, 279, 119372.	20.2	62
68	Three-dimensionally ordered macroporous La0.6Sr0.4FeO3âˆ'Î´: High-efficiency catalysts for the oxidative removal of toluene. Microporous and Mesoporous Materials, 2012, 163, 131-139.	4.4	61
69	Mesoporous Ni/MeO (Meâ€¯=â€¯Al, Mg, Ti, and Si): Highly efficient catalysts in the decomposition of methane for hydrogen production. Applied Surface Science, 2019, 478, 581-593.	6.1	60
70	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
71	Coupled Palladiumâ€“Tungsten Bimetallic Nanosheets/TiO₂ Hybrids with Enhanced Catalytic Activity and Stability for the Oxidative Removal of Benzene. Environmental Science & Technology, 2019, 53, 5926-5935.	10.0	59
72	Controlled Synthesis, Characterization, and Morphology-Dependent Reducibility of Ceriaâˆ'Zirconiaâˆ'Yttria Solid Solutions with Nanorod-like, Microspherical, Microbowknot-like, and Micro-octahedral Shapes. Inorganic Chemistry, 2009, 48, 2181-2192.	4.0	58

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73	Morphology-Dependent Photocatalytic Performance of Monoclinic BiVO4 for Methyl Orange Degradation under Visible-Light Irradiation. Chinese Journal of Catalysis, 2011, 32, 939-949.	14.0	57
74	Catalytic stability enhancement for pollutant removal via balancing lattice oxygen mobility and VOCs adsorption. Journal of Hazardous Materials, 2022, 424, 127337.	12.4	57
75	Surfactant-assisted solvo- or hydrothermal fabrication and characterization of high-surface-area porous calcium carbonate with multiple morphologies. Microporous and Mesoporous Materials, 2011, 138, 191-199.	4.4	56
76	Porous F-doped BiVO4: Synthesis and enhanced photocatalytic performance for the degradation of phenol under visible-light illumination. Solid State Sciences, 2013, 17, 21-27.	3.2	56
77	Preparation, characterization, and catalytic activity of chromia supported on SBA-15 for the oxidative dehydrogenation of isobutane. Applied Catalysis A: General, 2009, 355, 192-201.	4.3	55
78	Three-dimensionally ordered macroporous SrFeO3â˜Î´ with high surface area: Active catalysts for the complete oxidation of toluene. Applied Catalysis A: General, 2012, 425-426, 153-160.	4.3	55
79	Promotional roles of second metals in catalyzing methane decomposition over the Ni-based catalysts for hydrogen production: A critical review. International Journal of Hydrogen Energy, 2021, 46, 20435-20480.	7.1	54
80	Simulated solar light driven photothermal catalytic purification of toluene over iron oxide supported single atom Pt catalyst. Applied Catalysis B: Environmental, 2021, 298, 120612.	20.2	54
81	Efficient Removal of Methane over Cobalt-Monoxide-Doped AuPd Nanocatalysts. Environmental Science & Technology, 2017, 51, 2271-2279.	10.0	53
82	Support promotion effect on the SO2 and K+ co-poisoning resistance of MnO2/TiO2 for NH3-SCR of NO. Journal of Hazardous Materials, 2021, 416, 126117.	12.4	53
83	Photothermal Synergistic Effect of Pt₁/CuO-CeO₂ Single-Atom Catalysts Significantly Improving Toluene Removal. Environmental Science & Technology, 2022, 56, 8722-8732.	10.0	52
84	Porous Cubeâ€Aggregated Co₃O₄ Microphereâ€Supported Gold Nanoparticles for Oxidation of Carbon Monoxide and Toluene. ChemSusChem, 2014, 7, 1745-1754.	6.8	51
85	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.	4.1	49
86	Catalytic removal of toluene over three-dimensionally ordered macroporous Eu1â€“Sr FeO3. Chemical Engineering Journal, 2013, 214, 262-271.	12.7	49
87	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.	5.6	49
88	Rare earth oxides and their supported noble metals in application of environmental catalysis. Journal of Rare Earths, 2020, 38, 819-839.	4.8	49
89	Preparation, characterization, and catalytic properties of NdSrCu1â˜xCoxO4â˜Î´ and Sm1.8Ce0.2Cu1â˜xCoxO4+Î´ (x=0, 0.2 and 0.4) for methane combustion. Applied Catalysis B: Environmental, 2009, 89, 87-96.	20.2	48
90	Mesoporous LaFeO3 catalysts for the oxidation of toluene and carbon monoxide. Chinese Journal of Catalysis, 2013, 34, 2223-2229.	14.0	48

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91	3DOM InVO4-supported chromia with good performance for the visible-light-driven photodegradation of rhodamine B. Solid State Sciences, 2013, 24, 62-70.	3.2	48
92	Mechanistic insights into toluene degradation under VUV irradiation coupled with photocatalytic oxidation. Journal of Hazardous Materials, 2020, 399, 122967.	12.4	48
93	Copper Single Atom-Triggered Niobiaâ€“Ceria Catalyst for Efficient Low-Temperature Reduction of Nitrogen Oxides. ACS Catalysis, 2022, 12, 2441-2453.	11.2	48
94	A comparative study of bulk and 3DOM-structured Co3O4, Eu0.6Sr0.4FeO3, and Co3O4/Eu0.6Sr0.4FeO3: Preparation, characterization, and catalytic activities for toluene combustion. Applied Catalysis A: General, 2012, 447-448, 41-48.	4.3	47
95	Three-dimensionally ordered macroporous Eu0.6Sr0.4FeO3 supported cobalt oxides: Highly active nanocatalysts for the combustion of toluene. Applied Catalysis B: Environmental, 2013, 129, 539-548.	20.2	47
96	Mesoporous CoO-supported palladium nanocatalysts with high performance for o-xylene combustion. Catalysis Science and Technology, 2018, 8, 806-816.	4.1	47
97	Phosphorus vapor assisted preparation of P-doped ultrathin hollow g-C3N4 sphere for efficient solar-to-hydrogen conversion. Applied Catalysis B: Environmental, 2021, 297, 120438.	20.2	47
98	Surfactant-Aided Hydrothermal Synthesis and Carbon Dioxide Adsorption Behavior of Three-Dimensionally Mesoporous Calcium Oxide Single-Crystallites with Tri-, Tetra-, and Hexagonal Morphologies. Journal of Physical Chemistry C, 2008, 112, 19248-19256.	3.1	44
99	Glucose-assisted hydrothermal preparation and catalytic performance of porous LaFeO3 for toluene combustion. Journal of Solid State Chemistry, 2013, 199, 164-170.	2.9	43
100	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.	6.1	43
101	Three-dimensionally ordered macroporous Pr6O11 and Tb4O7 with mesoporous walls: Preparation, characterization, and catalytic activity for CO oxidation. Catalysis Today, 2015, 245, 28-36.	4.4	42
102	PtRu nanoparticles partially embedded in the 3DOM Ce0.7Zr0.3O2 skeleton: Active and stable catalysts for toluene combustion. Journal of Catalysis, 2020, 385, 274-288.	6.2	42
103	Electronic structure tailoring of Al3+- and Ta5+-doped CeO2 for the synergistic removal of NO and chlorinated organics. Applied Catalysis B: Environmental, 2022, 304, 120939.	20.2	42
104	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.	4.4	41
105	PMMA-templating preparation and catalytic properties of high-surface-area three-dimensional macroporous La2CuO4 for methane combustion. Catalysis Today, 2011, 175, 209-215.	4.4	40
106	Effect of sulfur doping on the photocatalytic performance of BiVO4 under visible light illumination. Chinese Journal of Catalysis, 2013, 34, 1617-1626.	14.0	39
107	Surfactant-mediated PMMA-templating fabrication and characterization of three-dimensionally ordered macroporous Eu2O3 and Sm2O3 with mesoporous walls. Materials Chemistry and Physics, 2011, 129, 586-593.	4.0	38
108	Gold Supported on Iron Oxide Nanodisk as Efficient Catalyst for The Removal of Toluene. Industrial & Engineering Chemistry Research, 2014, 53, 3486-3494.	3.7	38

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109	Au/MnO /3DOM SiO2: Highly active catalysts for toluene oxidation. Applied Catalysis A: General, 2015, 507, 139-148.	4.3	37
110	Effect of hydrothermal treatment temperature on the catalytic performance of single-crystalline La0.5Sr0.5MnO3â^'Î´ microcubes for the combustion of toluene. Catalysis Today, 2008, 139, 82-87.	4.4	36
111	Pt/Co3O4/3DOM Al2O3: Highly effective catalysts for toluene combustion. Chinese Journal of Catalysis, 2016, 37, 934-946.	14.0	36
112	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.	3.9	36
113	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.	4.4	36
114	Supported ceria-modified silver catalysts with high activity and stability for toluene removal. Environment International, 2019, 128, 335-342.	10.0	36
115	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.	3.7	35
116	Three-dimensionally ordered macroporous Cr2O3â^'CeO2: High-performance catalysts for the oxidative removal of trichloroethylene. Catalysis Today, 2020, 339, 200-209.	4.4	35
117	Activated carbon supported MnO nanoparticles for efficient ozone decomposition at room temperature. Catalysis Today, 2020, 355, 573-579.	4.4	35
118	Effect of support nature on catalytic activity of the bimetallic RuCo nanoparticles for the oxidative removal of 1,2-dichloroethane. Applied Catalysis B: Environmental, 2021, 285, 119804.	20.2	35
119	An isotopic strategy to investigate the role of water vapor in the oxidation of 1,2-dichloroethane over the Ru/WO3 or Ru/TiO2 catalyst. Applied Catalysis B: Environmental, 2022, 305, 121037.	20.2	35
120	Hydrothermal synthesis and catalytic performance of single-crystalline La2â^'xSrxCuO4 for methane oxidation. Catalysis Today, 2010, 153, 143-149.	4.4	34
121	Elemental red phosphorus-based photocatalysts for environmental remediation: A review. Chemosphere, 2021, 274, 129793.	8.2	34
122	Catalytic performance enhancement by alloying Pd with Pt on ordered mesoporous manganese oxide for methane combustion. Chinese Journal of Catalysis, 2017, 38, 92-105.	14.0	33
123	Photocatalytic Cr(VI) elimination over BUC-21/N-K2Ti4O9 composites: Big differences in performance resulting from small differences in composition. Chinese Journal of Catalysis, 2021, 42, 259-270.	14.0	33
124	High Selectivity to HCl for the Catalytic Removal of 1,2-Dichloroethane Over RuP/3DOM WO_x: Insights into the Effects of P-Doping and H₂O Introduction. Environmental Science & Technology, 2021, 55, 14906-14916.	10.0	33
125	Single-Crystalline La0.6Sr0.4CoO3-Î´ Nanowires/Nanorods Derived Hydrothermally Without the Use of a Template: Catalysts Highly Active for Toluene Complete Oxidation. Catalysis Letters, 2008, 123, 294-300.	2.6	32
126	A short review of bioaerosol emissions from gas bioreactors: Health threats, influencing factors and control technologies. Chemosphere, 2020, 253, 126737.	8.2	32

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127	A Resource utilization method for volatile organic compounds emission from the semiconductor industry: Selective catalytic oxidation of isopropanol to acetone Over Au/Î±-Fe2O3 nanosheets. Applied Catalysis B: Environmental, 2020, 275, 119011.	20.2	31
128	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.	14.0	30
129	Intermetallic compound PtMn -derived Ptâ^'MnO supported on mesoporous CeO2: Highly efficient catalysts for the combustion of toluene. Applied Catalysis A: General, 2020, 595, 117509.	4.3	30
130	In situ construction of elemental phosphorus nanorod-modified TiO2 photocatalysts for efficient visible-light-driven H2 generation. Applied Catalysis B: Environmental, 2021, 297, 120412.	20.2	30
131	Selective photocatalytic oxidation of gaseous ammonia at ppb level over Pt and F modified TiO2. Applied Catalysis B: Environmental, 2022, 300, 120688.	20.2	30
132	Synergy in Auâ^'CuO Janus Structure for Catalytic Isopropanol Oxidative Dehydrogenation to Acetone. Angewandte Chemie - International Edition, 2022, 61, .	13.8	30
133	PMMA-templating preparation and catalytic activities of three-dimensional macroporous strontium ferrites with high surface areas for toluene combustion. Catalysis Today, 2013, 201, 40-48.	4.4	29
134	Preparation of three-dimensionally ordered macroporous La0.6Sr0.4Fe0.8Bi0.2O3â^'Î´ and their excellent catalytic performance for the combustion of toluene. Journal of Molecular Catalysis A, 2013, 366, 116-125.	4.8	29
135	Preparation and high catalytic performance of Co3O4â€“MnO2 for the combustion of o-xylene. Catalysis Today, 2019, 327, 246-253.	4.4	28
136	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.	10.0	28
137	Enhanced visible-light photocatalytic activities of porous olive-shaped sulfur-doped BiVO4-supported cobalt oxides. Solid State Sciences, 2013, 18, 98-104.	3.2	26
138	Catalytic performance and intermediates identification of trichloroethylene deep oxidation over Ru/3DOM SnO2 catalysts. Journal of Catalysis, 2021, 400, 310-324.	6.2	26
139	Porous FeOx/BiVO4â€“Î´S0.08: Highly efficient photocatalysts for the degradation of Methylene Blue under visible-light illumination. Journal of Environmental Sciences, 2013, 25, 2138-2149.	6.1	25
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