

Zhengping Hao

List of Publications by Year in descending order

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papers

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13007
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#	ARTICLE	IF	CITATIONS
1	Recent Advances in the Catalytic Oxidation of Volatile Organic Compounds: A Review Based on Pollutant Sorts and Sources. <i>Chemical Reviews</i> , 2019, 119, 4471-4568.	47.7	1,298
2	The air-borne particulate pollution in Beijingâ€™ concentration, composition, distribution and sources. <i>Atmospheric Environment</i> , 2004, 38, 5991-6004.	4.1	532
3	Mesoporous Co ₃ O ₄ and Au/Co ₃ O ₄ Catalysts for Low-Temperature Oxidation of Trace Ethylene. <i>Journal of the American Chemical Society</i> , 2010, 132, 2608-2613.	13.7	463
4	Investigation of Formaldehyde Oxidation over Co ₃ O ₄ and CeO ₂ and Au/Co ₃ O ₄ and CeO ₂ Catalysts at Room Temperature: Effective Removal and Determination of Reaction Mechanism. <i>Environmental Science & Technology</i> , 2011, 45, 3628-3634.	10.0	272
5	H ₂ S-Selective Catalytic Oxidation: Catalysts and Processes. <i>ACS Catalysis</i> , 2015, 5, 1053-1067.	11.2	257
6	Synergistic and competitive adsorption of organic dyes on multiwalled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2012, 197, 34-40.	12.7	196
7	Adsorption performance of VOCs in ordered mesoporous silicas with different pore structures and surface chemistry. <i>Journal of Hazardous Materials</i> , 2011, 186, 1615-1624.	12.4	188
8	Fabrication and Size-Selective Bioseparation of Magnetic Silica Nanospheres with Highly Ordered Periodic Mesostructure. <i>Advanced Functional Materials</i> , 2008, 18, 3203-3212.	14.9	179
9	Characterization and assessment of volatile organic compounds (VOCs) emissions from typical industries. <i>Science Bulletin</i> , 2013, 58, 724-730.	1.7	168
10	Sphere-Shaped Mn ₃ O ₄ Catalyst with Remarkable Low-Temperature Activity for Methylâ€™Ethylâ€™Ketone Combustion. <i>Environmental Science & Technology</i> , 2017, 51, 6288-6297.	10.0	165
11	Synthesis of grapheneâ€™NiFe ₂ O ₄ nanocomposites and their electrochemical capacitive behavior. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6393.	10.3	160
12	Photocatalytic degradation of triazine-containing azo dyes in aqueous TiO ₂ suspensions. <i>Applied Catalysis B: Environmental</i> , 2003, 42, 47-55.	20.2	159
13	Development of novel MnO ₂ /nanoporous carbon composite electrodes in capacitive deionization technology. <i>Desalination</i> , 2011, 276, 199-206.	8.2	158
14	Effective desalination by capacitive deionization with functional graphene nanocomposite as novel electrode material. <i>Desalination</i> , 2012, 299, 96-102.	8.2	154
15	Long-term monitoring and source apportionment of PM _{2.5} /PM ₁₀ in Beijing, China. <i>Journal of Environmental Sciences</i> , 2008, 20, 1323-1327.	6.1	153
16	Low-temperature removal of toluene and propanal over highly active mesoporous CuCeO _x catalysts synthesized via a simple self-precipitation protocol. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 156-166.	20.2	147
17	Facilely synthesized Fe ₂ O ₃ â€™graphene nanocomposite as novel electrode materials for supercapacitors with high performance. <i>Journal of Alloys and Compounds</i> , 2013, 552, 486-491.	5.5	145
18	Catalytic oxidation of benzyl alcohol on Au or Auâ€™Pd nanoparticles confined in mesoporous silica. <i>Applied Catalysis B: Environmental</i> , 2009, 92, 202-208.	20.2	140

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19	Functionalized Mesoporous Silica with Very Large Pores for Cellulase Immobilization. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8353-8362.	3.1	137
20	Adsorption and coadsorption mechanisms of Cr(VI) and organic contaminants on H ₃ PO ₄ treated biochar. <i>Chemosphere</i> , 2017, 186, 422-429.	8.2	133
21	Improving Adsorbent Properties of Cage-like Ordered Amine Functionalized Mesoporous Silica with Very Large Pores for Bioadsorption. <i>Langmuir</i> , 2009, 25, 6413-6424.	3.5	132
22	How to achieve complete elimination of Cl-VOCs: A critical review on byproducts formation and inhibition strategies during catalytic oxidation. <i>Chemical Engineering Journal</i> , 2021, 404, 126534.	12.7	132
23	Supported gold catalysts used for ozone decomposition and simultaneous elimination of ozone and carbon monoxide at ambient temperature. <i>Applied Catalysis B: Environmental</i> , 2001, 33, 217-222.	20.2	131
24	Environmentally persistent free radicals mediated removal of Cr(VI) from highly saline water by corn straw biochars. <i>Bioresource Technology</i> , 2018, 260, 294-301.	9.6	131
25	Efficient defect engineering in Co-Mn binary oxides for low-temperature propane oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119512.	20.2	131
26	Effect of pH on DDT degradation in aqueous solution using bimetallic Ni/Fe nanoparticles. <i>Separation and Purification Technology</i> , 2009, 66, 84-89.	7.9	126
27	RuO ₂ /graphene hybrid material for high performance electrochemical capacitor. <i>Journal of Power Sources</i> , 2014, 248, 407-415.	7.8	120
28	Atomic-scale Insights into the Low-temperature Oxidation of Methanol over a Single-Atom Pt ₁ /Co ₃ O ₄ Catalyst. <i>Advanced Functional Materials</i> , 2019, 29, 1902041.	14.9	115
29	Preparation and capacitance of graphene/multiwall carbon nanotubes/MnO ₂ hybrid material for high-performance asymmetrical electrochemical capacitor. <i>Electrochimica Acta</i> , 2013, 89, 191-198.	5.2	112
30	Adsorption of benzene, cyclohexane and hexane on ordered mesoporous carbon. <i>Journal of Environmental Sciences</i> , 2015, 30, 65-73.	6.1	109
31	Adsorption and desorption performance of benzene over hierarchically structured carbon-silica aerogel composites. <i>Journal of Hazardous Materials</i> , 2011, 196, 194-200.	12.4	102
32	Comparative Studies on Porous Material-Supported Pd Catalysts for Catalytic Oxidation of Benzene, Toluene, and Ethyl Acetate. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 6930-6936.	3.7	101
33	Comprehensive investigation of Pd/ZSM-5/MCM-48 composite catalysts with enhanced activity and stability for benzene oxidation. <i>Applied Catalysis B: Environmental</i> , 2010, 96, 466-475.	20.2	100
34	Understanding the Promotional Effect of Mn ₂ O ₃ on Micro-/Mesoporous Hybrid Silica Nanocubic-Supported Pt Catalysts for the Low-Temperature Destruction of Methyl Ethyl Ketone: An Experimental and Theoretical Study. <i>ACS Catalysis</i> , 2018, 8, 4213-4229.	11.2	90
35	Catalytic oxidation of 1,2-dichloroethane over three-dimensional ordered meso-macroporous Co ₃ O ₄ /La _{0.7} Sr _{0.3} Fe _{0.5} Co _{0.5} O ₃ : Destruction route and mechanism. <i>Applied Catalysis A: General</i> , 2018, 553, 1-14.	4.3	87
36	Understanding the Active Sites of Ag/Zeolites and Deactivation Mechanism of Ethylene Catalytic Oxidation at Room Temperature. <i>ACS Catalysis</i> , 2018, 8, 1248-1258.	11.2	85

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37	Selective catalytic oxidation of H ₂ S over iron oxide supported on alumina-intercalated Laponite clay catalysts. <i>Journal of Hazardous Materials</i> , 2013, 260, 104-111.	12.4	84
38	Oxidation of nitric oxide to nitrogen dioxide over Ru catalysts. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 224-231.	20.2	81
39	Removal of cobalt(II) ion from aqueous solution by chitosan- α -montmorillonite. <i>Journal of Environmental Sciences</i> , 2014, 26, 1879-1884.	6.1	81
40	Synthesis of nanosized nickel ferrites by shock waves and their magnetic properties. <i>Materials Research Bulletin</i> , 2001, 36, 2357-2363.	5.2	79
41	Pd-containing perovskite-type oxides used for three-way catalysts. <i>Journal of Molecular Catalysis A</i> , 2002, 189, 225-232.	4.8	76
42	H ₂ S selective catalytic oxidation over Ce substituted La _{1-x} Ce _x FeO ₃ perovskite oxides catalyst. <i>Chemical Engineering Journal</i> , 2018, 348, 831-839.	12.7	75
43	Catalytic combustion of methane over mixed oxides derived from Co-Mg/Al ternary hydroxalicates. <i>Fuel Processing Technology</i> , 2010, 91, 97-102.	7.2	73
44	Preparation and capacitance properties of graphene/NiAl layered double-hydroxide nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2013, 396, 251-257.	9.4	73
45	Characterization and photocatalytic activity of noble-metal-supported surface TiO ₂ /SiO ₂ . <i>Applied Catalysis A: General</i> , 2003, 253, 389-396.	4.3	72
46	Highly active manganese oxide catalysts for low-temperature oxidation of formaldehyde. <i>Microporous and Mesoporous Materials</i> , 2012, 151, 397-402.	4.4	72
47	Mesoporous carbon-confined Au catalysts with superior activity for selective oxidation of glucose to gluconic acid. <i>Green Chemistry</i> , 2013, 15, 1035.	9.0	72
48	Synthesis of novel hyper-cross-linked polymers as adsorbent for removing organic pollutants from humid streams. <i>Chemical Engineering Journal</i> , 2015, 281, 34-41.	12.7	72
49	Catalytic oxidation of NO over TiO ₂ supported platinum clusters I. Preparation, characterization and catalytic properties. <i>Applied Catalysis B: Environmental</i> , 2010, 93, 259-266.	20.2	70
50	A study on N ₂ O catalytic decomposition over Co/MgO catalysts. <i>Journal of Hazardous Materials</i> , 2009, 163, 1332-1337.	12.4	68
51	Investigation of Selective Catalytic Reduction of N ₂ O by NH ₃ over an Fe-Mordenite Catalyst: Reaction Mechanism and O ₂ Effect. <i>ACS Catalysis</i> , 2012, 2, 512-520.	11.2	68
52	Insight into the efficient oxidation of methyl-ethyl-ketone over hierarchically micro-mesostructured Pt/K-(Al)SiO ₂ nanorod catalysts: Structure-activity relationships and mechanism. <i>Applied Catalysis B: Environmental</i> , 2018, 226, 220-233.	20.2	67
53	Iron-exchanged FAU zeolites: Preparation, characterization and catalytic properties for N ₂ O decomposition. <i>Applied Catalysis A: General</i> , 2008, 344, 131-141.	4.3	66
54	Novel CH ₄ Combustion Catalysts Derived from Cu-Co/X-Al (X = Fe, Mn, La, Ce) Hydroxalcite-like Compounds. <i>Energy & Fuels</i> , 2008, 22, 2131-2137.	5.1	65

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55	Surface-Functionalized Periodic Mesoporous Organosilica Hollow Spheres. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8673-8682.	3.1	65
56	Porous Graphitized Carbon for Adsorptive Removal of Benzene and the Electrothermal Regeneration. <i>Environmental Science & Technology</i> , 2012, 46, 12648-12654.	10.0	64
57	Efficient capture of CO ₂ over ordered micro-mesoporous hybrid carbon nanosphere. <i>Applied Surface Science</i> , 2018, 439, 113-121.	6.1	64
58	Influence of pretreatment conditions on low-temperature CO oxidation over Au/MO _x /Al ₂ O ₃ catalysts. <i>Journal of Molecular Catalysis A</i> , 2003, 200, 229-238.	4.8	62
59	Surface properties enhanced Mn _x AlO oxide catalysts derived from Mn _x Al layered double hydroxides for acetone catalytic oxidation at low temperature. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 295-304.	20.2	62
60	Facile synthesis of catalytically active CeO ₂ for soot combustion. <i>Catalysis Science and Technology</i> , 2015, 5, 1941-1952.	4.1	60
61	Mesoporous silica supported cobalt oxide catalysts for catalytic removal of benzene. <i>Journal of Porous Materials</i> , 2008, 15, 163-169.	2.6	59
62	Synthesis and characterization of Pd/ZSM-5/MCM-48 biporous catalysts with superior activity for benzene oxidation. <i>Applied Catalysis A: General</i> , 2010, 382, 167-175.	4.3	59
63	Catalytic oxidation of NO over TiO ₂ supported platinum clusters. II: Mechanism study by in situ FTIR spectra. <i>Catalysis Today</i> , 2010, 158, 361-369.	4.4	58
64	Using shell-tunable mesoporous Fe ₃ O ₄ @HMS and magnetic separation to remove DDT from aqueous media. <i>Journal of Hazardous Materials</i> , 2009, 171, 459-464.	12.4	56
65	Selective Catalytic Oxidation of H ₂ S over Well-Mixed Oxides Derived from Mg ₂ Al _x V _{1-x} Layered Double Hydroxides. <i>ACS Catalysis</i> , 2014, 4, 1500-1510.	11.2	56
66	Mesoporous KIT-6 silica-polydimethylsiloxane (PDMS) mixed matrix membranes for gas separation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8650-8658.	10.3	56
67	Catalytic combustion of methane on novel catalysts derived from Cu-Mg/Al-hydrotalcites. <i>Catalysis Letters</i> , 2005, 99, 157-163.	2.6	55
68	Comprehensive study of H ₂ S selective catalytic oxidation on combined oxides derived from Mg/Al-V10O ₂₈ layered double hydroxides. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 130-138.	20.2	54
69	Comprehensive review on catalytic degradation of Cl-VOCs under the practical application conditions. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 311-355.	12.8	54
70	Solvothermal-induced phase transition and visible photocatalytic activity of nitrogen-doped titania. <i>Journal of Hazardous Materials</i> , 2009, 163, 273-278.	12.4	52
71	Hydrophobic conjugated microporous polymer as a novel adsorbent for removal of volatile organic compounds. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14028-14037.	10.3	52
72	Catalytic removal of 1,2-dichloroethane over LaSrMnCoO ₆ /H-ZSM-5 composite: insights into synergistic effect and pollutant-destruction mechanism. <i>Catalysis Science and Technology</i> , 2018, 8, 4503-4514.	4.1	52

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73	Insights into CeO ₂ -modified Ni-Mg-Al oxides for pressurized carbon dioxide reforming of methane. <i>Chemical Engineering Journal</i> , 2015, 259, 581-593.	12.7	50
74	Zr-Laponite pillared clay-based nickel catalysts for methane reforming with carbon dioxide. <i>Applied Catalysis A: General</i> , 2003, 242, 275-286.	4.3	49
75	Catalytic combustion of benzene on Co/CeO ₂ /SBA-15 and Co/SBA-15 catalysts. <i>Catalysis Communications</i> , 2008, 9, 1874-1877.	3.3	49
76	Efficient Elimination of Trace Ethylene over Nano-Gold Catalyst under Ambient Conditions. <i>Environmental Science & Technology</i> , 2008, 42, 8947-8951.	10.0	49
77	Nanometric palladium confined in mesoporous silica as efficient catalysts for toluene oxidation at low temperature. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 46-57.	20.2	49
78	Insight into the H ₂ S selective catalytic oxidation performance on well-mixed Ce-containing rare earth catalysts derived from MgAlCe layered double hydroxides. <i>Journal of Hazardous Materials</i> , 2018, 342, 749-757.	12.4	49
79	Functional graphene nanocomposite as an electrode for the capacitive removal of FeCl ₃ from water. <i>Journal of Materials Chemistry</i> , 2012, 22, 14101.	6.7	48
80	Characterization and catalytic performance of Co/SBA-15 supported gold catalysts for CO oxidation. <i>Materials Research Bulletin</i> , 2006, 41, 406-413.	5.2	47
81	Graphene/MnO ₂ hybrid film with high capacitive performance. <i>Electrochimica Acta</i> , 2015, 154, 300-307.	5.2	47
82	Catalytic oxidation performances of typical oxygenated volatile organic compounds (acetone and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 389-397.	4.4	47
83	Source apportionment for urban PM ₁₀ and PM _{2.5} in the Beijing area. <i>Science Bulletin</i> , 2007, 52, 608-615.	1.7	46
84	Levels of polycyclic aromatic hydrocarbons in different types of hospital waste incinerator ashes. <i>Science of the Total Environment</i> , 2008, 397, 24-30.	8.0	46
85	Selective Hydrogenation of Cinnamaldehyde over Pt and Pd Supported on Multiwalled Carbon Nanotubes in a CO ₂ -Expanded Alcoholic Medium. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 11112-11121.	3.7	46
86	Simultaneous redox conversion and sequestration of chromate(VI) and arsenite(III) by iron(III)-alginate based photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118046.	20.2	46
87	Oxygen and nitrogen co-doped ordered mesoporous carbon materials enhanced the electrochemical selectivity of O ₂ reduction to H ₂ O ₂ . <i>Journal of Colloid and Interface Science</i> , 2020, 562, 540-549.	9.4	46
88	Mechanism of Gold Activation in Supported Gold Catalysts for CO Oxidation. <i>Reaction Kinetics and Catalysis Letters</i> , 2000, 70, 153-160.	0.6	45
89	Catalytic oxidation of benzene over nanostructured porous Co ₃ O ₄ -CeO ₂ composite catalysts. <i>Journal of Environmental Sciences</i> , 2011, 23, 2078-2086.	6.1	45
90	Facile preparation of 3D ordered mesoporous CuO-CeO ₂ with notably enhanced efficiency for the low temperature oxidation of heteroatom-containing volatile organic compounds. <i>RSC Advances</i> , 2013, 3, 19639.	3.6	45

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91	Adsorption and membrane separation for removal and recovery of volatile organic compounds. <i>Journal of Environmental Sciences</i> , 2023, 123, 96-115.	6.1	45
92	Selective oxidation of H ₂ S over V ₂ O ₅ supported on CeO ₂ -intercalated Laponite clay catalysts. <i>Catalysis Science and Technology</i> , 2013, 3, 2778.	4.1	44
93	Catalytic behavior and reaction routes of MEK oxidation over Pd/ZSM-5 and Pd-Ce/ZSM-5 catalysts. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 613-620.	12.4	44
94	Adsorption-template preparation of polyanilines with different morphologies and their capacitance. <i>Electrochimica Acta</i> , 2014, 145, 99-108.	5.2	43
95	Hybrids of NiCo ₂ O ₄ nanorods and nanobundles with graphene as promising electrode materials for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2015, 460, 303-309.	9.4	43
96	Defect enhanced CoMnNiOx catalysts derived from spent ternary lithium-ion batteries for low-temperature propane oxidation. <i>Applied Catalysis B: Environmental</i> , 2022, 309, 121231.	20.2	43
97	Direct synthesis of lanthanide-containing SBA-15 under weak acidic conditions and its catalytic study. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 72-80.	4.4	41
98	A new type of ordered mesoporous carbon/polyaniline composites prepared by a two-step nanocasting method for high performance supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16715-16722.	10.3	40
99	Synthesis, characterization and evaluations of the Ag/ZSM-5 for ethylene oxidation at room temperature: Investigating the effect of water and deactivation. <i>Chemical Engineering Journal</i> , 2018, 347, 808-818.	12.7	40
100	Chemically crosslinked rGO laminate film as an ion selective barrier of composite membrane. <i>Journal of Membrane Science</i> , 2016, 515, 204-211.	8.2	39
101	Tuning the micromorphology and exposed facets of MnO _x promotes methyl ethyl ketone low-temperature abatement: boosting oxygen activation and electron transmission. <i>Catalysis Science and Technology</i> , 2018, 8, 3863-3875.	4.1	39
102	Decomposition of nitrous oxide over Co-zeolite catalysts: role of zeolite structure and active site. <i>Catalysis Science and Technology</i> , 2012, 2, 1249.	4.1	38
103	Porous Montmorillonite Heterostructures Directed by a Single Alkyl Ammonium Template for Controlling the Product Distribution of Fischer-Tropsch Synthesis over Cobalt. <i>Chemistry of Materials</i> , 2012, 24, 972-974.	6.7	38
104	Integrated assessment of CO ₂ reduction technologies in China's cement industry. <i>International Journal of Greenhouse Gas Control</i> , 2014, 20, 27-36.	4.6	38
105	Recent advances in technologies for the removal of volatile methylsiloxanes: A case in biogas purification process. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 2257-2313.	12.8	38
106	N ₂ O catalytic reduction by NH ₃ over Fe-zeolites: Effective removal and active site. <i>Catalysis Communications</i> , 2012, 18, 151-155.	3.3	36
107	Catalytic behaviors of combined oxides derived from Mg/Al _x Fe _{1-x} -Cl layered double hydroxides for H ₂ S selective oxidation. <i>Catalysis Science and Technology</i> , 2015, 5, 4991-4999.	4.1	36
108	Continuous CO ₂ esterification to diethyl carbonate (DEC) at atmospheric pressure: application of porous membranes for in situ H ₂ O removal. <i>Green Chemistry</i> , 2017, 19, 3595-3600.	9.0	36

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109	Distribution and formation mechanisms of polychlorinated organic by-products upon the catalytic oxidation of 1,2-dichlorobenzene with palladium-loaded catalysts. <i>Journal of Hazardous Materials</i> , 2020, 393, 122412.	12.4	36
110	Remarkable MnO ₂ structure-dependent H ₂ O promoting effect in HCHO oxidation at room temperature. <i>Journal of Hazardous Materials</i> , 2021, 414, 125542.	12.4	35
111	Synthesis of mesoporous Co/Ce-SBA-15 materials and their catalytic performance in the catalytic oxidation of benzene. <i>Materials Research Bulletin</i> , 2008, 43, 2599-2606.	5.2	33
112	Catalytic combustion of methane over La ₂ TMO _{0.3} Zr _{1.7} O ₇ (TM = Mn, Fe, and Co) pyrochlore oxides. <i>Catalysis Communications</i> , 2009, 10, 1170-1173.	3.3	33
113	Boosting carbonyl sulfide catalytic hydrolysis performance over N-doped Mg-Al oxide derived from MgAl-layered double hydroxide. <i>Journal of Hazardous Materials</i> , 2021, 407, 124546.	12.4	33
114	In situ electron paramagnetic resonance (EPR) study of surface oxygen species on Au/ZnO catalyst for low-temperature carbon monoxide oxidation. <i>Applied Catalysis A: General</i> , 2001, 213, 173-177.	4.3	32
115	Layered sphere-shaped TiO ₂ capped with gold nanoparticles on structural defects and their catalysis of formaldehyde oxidation. <i>Journal of Environmental Sciences</i> , 2016, 39, 77-85.	6.1	32
116	Fluorine-enhanced Pt/ZSM-5 catalysts for low-temperature oxidation of ethylene. <i>Catalysis Science and Technology</i> , 2018, 8, 1988-1996.	4.1	32
117	CeO ₂ -Co ₃ O ₄ Catalysts for CO Oxidation. <i>Journal of Rare Earths</i> , 2006, 24, 172-176.	4.8	31
118	Adsorption properties of benzene and water vapor on hyper-cross-linked polymers. <i>RSC Advances</i> , 2013, 3, 20523.	3.6	31
119	Interfacial Force-Assisted In-Situ Fabrication of Graphene Oxide Membrane for Desalination. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27205-27214.	8.0	31
120	A new and generic preparation method of mesoporous clay composites containing dispersed metal oxide nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2008, 114, 214-221.	4.4	30
121	Removal of DDT from aqueous solutions using mesoporous silica materials. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 490-496.	3.2	30
122	Characterization of PM _{2.5} /PM _{2.5-10} and source tracking in the juncture belt between urban and rural areas of Beijing. <i>Science Bulletin</i> , 2009, 54, 2506-2515.	1.7	29
123	Synthesis and hydrophobic adsorption properties of microporous/mesoporous hybrid materials. <i>Journal of Hazardous Materials</i> , 2009, 164, 1205-1212.	12.4	29
124	High-performance Ni@SiO ₂ for pressurized carbon dioxide reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 11592-11605.	7.1	29
125	Catalytic combustion of methane over cobalt doped lanthanum stannate pyrochlore oxide. <i>Catalysis Communications</i> , 2008, 9, 690-695.	3.3	28
126	Hydrophobic micro/mesoporous silica spheres assembled from zeolite precursors in acidic media for aromatics adsorption. <i>Microporous and Mesoporous Materials</i> , 2010, 133, 115-123.	4.4	28

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127	Templated Silica with Increased Surface Area and Expanded Microporosity: Synthesis, Characterization, and Catalytic Application. <i>Chemical Engineering Journal</i> , 2010, 162, 901-909.	12.7	28
128	Supported Nanometric Pd Hierarchical Catalysts for Efficient Toluene Removal: Catalyst Characterization and Activity Elucidation. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 7211-7222.	3.7	28
129	Catalytic combustion of chlorobenzene on the Ln modified Co/HMS. <i>Applied Catalysis B: Environmental</i> , 2012, 127, 246-254.	20.2	28
130	Effect of calcination temperature and reaction conditions on methane partial oxidation using lanthanum-based perovskite as oxygen donor. <i>Journal of Rare Earths</i> , 2008, 26, 341-346.	4.8	27
131	Catalytic activities and mechanism of formaldehyde oxidation over gold supported on MnO ₂ microsphere catalysts at room temperature. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 447-457.	6.0	27
132	A superhydrophobic hyper-cross-linked polymer synthesized at room temperature used as an efficient adsorbent for volatile organic compounds. <i>RSC Advances</i> , 2016, 6, 97048-97054.	3.6	26
133	Low-cost Scholl-coupling microporous polymer as an efficient solid-phase microextraction coating for the detection of light aromatic compounds. <i>Analytica Chimica Acta</i> , 2018, 1029, 30-36.	5.4	26
134	Efficient recovery of hydrogen and sulfur resources over non-sulfide based LaFe _x Al _{12-x} O ₁₉ hexaaluminate catalysts by H ₂ S catalytic decomposition. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118354.	20.2	26
135	Influence of oxygen and water content on the formation of polychlorinated organic by-products from catalytic degradation of 1,2-dichlorobenzene over a Pd/ZSM-5 catalyst. <i>Journal of Hazardous Materials</i> , 2021, 403, 123952.	12.4	26
136	A review of whole-process control of industrial volatile organic compounds in China. <i>Journal of Environmental Sciences</i> , 2023, 123, 127-139.	6.1	26
137	A study on the synergistic adsorptive and photocatalytic activities of TiO ₂ -xNx/Beta composite catalysts under visible light irradiation. <i>Chemical Engineering Journal</i> , 2010, 165, 301-309.	12.7	25
138	Highly Active and Stable Ni@SiO ₂ Prepared by a Complex-Decomposition Method for Pressurized Carbon Dioxide Reforming of Methane. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 19077-19086.	3.7	25
139	Ligand-assisted preparation of highly active and stable nanometric Pd confined catalysts for deep catalytic oxidation of toluene. <i>Journal of Hazardous Materials</i> , 2010, 181, 996-1003.	12.4	24
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