

Zhengping Hao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

216 papers	9,566 citations	52 h-index	88 g-index
226 ext. papers	11,182 ext. citations	8.8 avg, IF	6.32 L-index

#	Paper	IF	Citations
216	Effect of Cu-ZSM-5 catalysts with different CuO particle size on selective catalytic oxidation of N,N-Dimethylformamide. <i>Frontiers of Environmental Science and Engineering</i> , 2022 , 16, 1	5.8	0
215	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	21.8	3
214	The positive effect of water on acetaldehyde oxidation depended on the reaction temperature and MnO ₂ structure. <i>Applied Catalysis B: Environmental</i> , 2021 , 303, 120886	21.8	3
213	Effects of mesoporous silica particle size and pore structure on the performance of polymer-mesoporous silica mixed matrix membranes.. <i>RSC Advances</i> , 2021 , 11, 36577-36586	3.7	1
212	Unraveling the adsorption and diffusion properties of hexamethyldisiloxane on zeolites by static gravimetric analysis. <i>Water Research</i> , 2021 , 197, 117097	12.5	2
211	Remarkable MnO structure-dependent HO promoting effect in HCHO oxidation at room temperature. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125542	12.8	12
210	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	14.7	51
209	Study on emissions of volatile organic compounds from a typical coking chemical plant in China. <i>Science of the Total Environment</i> , 2021 , 752, 141927	10.2	4
208	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	12.8	9
207	Efficient defect engineering in Co-Mn binary oxides for low-temperature propane oxidation. <i>Applied Catalysis B: Environmental</i> , 2021 , 282, 119512	21.8	36
206	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	12.8	8
205	High Temperature Adsorption of SO ₂ on Mixed Oxides Derived from CaAl Hydrotalcite-Like Compounds. <i>Processes</i> , 2021 , 9, 325	2.9	0
204	High-Temperature Selective Oxidation of H ₂ S to Elemental Sulfur on a SiC-Supported Cerium Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 12798-12810	3.9	1
203	Low-Temperature Direct Dehydrogenation of Propane over Binary Oxide Catalysts: Insights into Geometric Effects and Active Sites. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12755-12765	8.3	1
202	Promotional effect of Cu additive for the selective catalytic oxidation of n-butylamine over CeZrOx catalyst. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	1
201	Agar-stabilized sulfidated microscale zero-valent iron: Its stability and performance in chromate reduction. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126019	12.8	2
200	Study of heterogeneous reaction of dimethyl sulfide on atmospheric-like particulate TiO ₂ . <i>Chemosphere</i> , 2021 , 280, 130771	8.4	1

199	Unprecedented Nonphotomediated Hole () Oxidation System Constructed from Defective Carbon Nanotubes and Superoxides. <i>ACS Central Science</i> , 2021 , 7, 355-364	16.8	3
198	Synergistic effects of Cu species and acidity of Cu-ZSM-5 on catalytic performance for selective catalytic oxidation of n-butylamine. <i>Journal of Environmental Sciences</i> , 2020 , 96, 55-63	6.4	10
197	Catalytic oxidation of o-chlorophenol over Co ₂ XAl (X = Co, Mg, Ca, Ni) hydrotalcite-derived mixed oxide catalysts. <i>Frontiers of Environmental Science and Engineering</i> , 2020 , 14, 1	5.8	6
196	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	12.8	16
195	Gaseous adsorption of hexamethyldisiloxane on carbons: Isotherms, isosteric heats and kinetics. <i>Chemosphere</i> , 2020 , 247, 125862	8.4	6
194	Selective catalytic oxidation of ammonia over LaMAl ₁₁ O ₁₉ (M = Fe, Cu, Co, and Mn) hexaaluminates catalysts at high temperatures in the Claus process. <i>Catalysis Science and Technology</i> , 2020 , 10, 1477-1491	5.5	3
193	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	21.8	9
192	Oxygen and nitrogen co-doped ordered mesoporous carbon materials enhanced the electrochemical selectivity of O reduction to HO. <i>Journal of Colloid and Interface Science</i> , 2020 , 562, 540-549	9.4	19
191	Activated Carbon Fibers Prepared by One-Step Activation with CuCl ₂ for Highly Efficient Gas Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 19793-19802	3.9	3
190	Comprehensive review on catalytic degradation of Cl-VOCs under the practical application conditions. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 1-45	11.1	12
189	Selective oxidation of H ₂ S over Fe supported on Zr-intercalated Laponite clay mesoporous composite catalysts at low temperature. <i>Catalysis Today</i> , 2020 , 355, 366-374	5.3	8
188	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	15.6	62
187	Surface properties enhanced Mn _x AlO ₂ 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	21.8	27
186	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	21.8	28
185	Hydrotalcite-Derived Cu _x Mg _{3-x} AlO ₂ Oxides for Catalytic Degradation of n-Butylamine with Low Concentration NO and Pollutant-Destruction Mechanism. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 9362-9371	3.9	7
184	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	11.1	20
183	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	68.1	597
182	Catalytic oxidation performances of typical oxygenated volatile organic compounds (acetone and acetaldehyde) over MAO (M = Mn, Co, Ni, Fe) hydrotalcite-derived oxides. <i>Catalysis Today</i> , 2019 , 327, 389-397	5.3	29

181	Hydrotalcite-derived Pd/Co ₃ Mn Al ₁ -O mixed oxides as efficient catalysts for complete oxidation of toluene. <i>Catalysis Today</i> , 2019 , 327, 382-388	5.3	9
180	Hollow mesoporous silica materials with well-ordered cubic Ia3d mesostructured shell for toluene adsorption. <i>Journal of Porous Materials</i> , 2019 , 26, 59-68	2.4	1
179	Fluorine-enhanced Pt/ZSM-5 catalysts for low-temperature oxidation of ethylene. <i>Catalysis Science and Technology</i> , 2018 , 8, 1988-1996	5.5	17
178	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	14.7	19
177	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	13.1	62
176	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	11	91
175	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	5.1	67
174	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	13.1	49
173	Efficient capture of CO ₂ over ordered micro-mesoporous hybrid carbon nanosphere. <i>Applied Surface Science</i> , 2018 , 439, 113-121	6.7	45
172	Insight into the HS 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	12.8	37
171	Interfacial Force-Assisted In-Situ Fabrication of Graphene Oxide Membrane for Desalination. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27205-27214	9.5	21
170	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	5.5	29
169	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	14.7	53
168	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	6.6	19
167	Highly efficient removal of organic pollutants by ultrahigh-surface-area-ethynylbenzene-based conjugated microporous polymers via adsorption-photocatalysis synergy. <i>Catalysis Science and Technology</i> , 2018 , 8, 5024-5033	5.5	11
166	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	21.8	48
165	Insight into mineralizer modified and tailored scorodite crystal characteristics and leachability for arsenic-rich smelter wastewater stabilization.. <i>RSC Advances</i> , 2018 , 8, 19560-19569	3.7	14
164	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	5.5	30

163	Sphere-Shaped MnO Catalyst with Remarkable Low-Temperature Activity for Methyl-Ethyl-Ketone Combustion. <i>Environmental Science & Technology</i> , 2017 , 51, 6288-6297	10.3	105
162	Modeling and simulation of an improved ammonia-based desulfurization process for Claus tail gas treatment. <i>RSC Advances</i> , 2017 , 7, 23591-23599	3.7	4
161	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	10	25
160	Adsorption and coadsorption mechanisms of Cr(VI) and organic contaminants on HPO treated biochar. <i>Chemosphere</i> , 2017 , 186, 422-429	8.4	88
159	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	5.8	22
158	Enhanced performances in catalytic oxidation of o-xylene over hierarchical macro-/mesoporous silica-supported palladium catalysts. <i>Frontiers of Environmental Science and Engineering</i> , 2016 , 10, 458-466	5.8	7
157	Insight into the acidic group-induced nitration mechanism of 2-methyl-4,6-dihydroxypyrimidine (MDP) with nitronium. <i>RSC Advances</i> , 2016 , 6, 80145-80157	3.7	1
156	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	3.7	14
155	Chemically crosslinked rGO laminate film as an ion selective barrier of composite membrane. <i>Journal of Membrane Science</i> , 2016 , 515, 204-211	9.6	27
154	Effects of acid pretreatment on Fe-ZSM-5 and Fe-beta catalysts for N ₂ O decomposition. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 898-907	11.3	11
153	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	6.4	24
152	Insights into the carbon catalyzed direct dehydrogenation of isobutane by employing modified OMCs. <i>Catalysis Science and Technology</i> , 2016 , 6, 4863-4871	5.5	9
151	Comparison of China's volatile organic compound pollution management: a computable general equilibrium approach. <i>Chinese Journal of Population Resources and Environment</i> , 2016 , 14, 298-308	2.1	0
150	Room-temperature isomerization of 1-butene to 2-butene over palladium-loaded silica nanospheres catalyst. <i>Chemical Engineering Journal</i> , 2016 , 299, 1-7	14.7	13
149	Adsorption of benzene, cyclohexane and hexane on ordered mesoporous carbon. <i>Journal of Environmental Sciences</i> , 2015 , 30, 65-73	6.4	88
148	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	14.7	48
147	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	21.8	41
146	Mesoporous KIT-6 silica/polydimethylsiloxane (PDMS) mixed matrix membranes for gas separation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8650-8658	13	45

145	Catalytic behaviors of combined oxides derived from Mg/Al _x Fe _{1-x} O ₄ layered double hydroxides for H ₂ S selective oxidation. <i>Catalysis Science and Technology</i> , 2015 , 5, 4991-4999	5.5	23
144	Physico-chemical characterization and source tracking of black carbon at a suburban site in Beijing. <i>Journal of Environmental Sciences</i> , 2015 , 33, 188-94	6.4	7
143	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, 303-9	9.3	40
142	Direct dehydrogenation of isobutane to isobutene over carbon catalysts. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 1214-1222	11.3	10
141	Graphene/MnO ₂ hybrid film with high capacitive performance. <i>Electrochimica Acta</i> , 2015 , 154, 300-307	6.7	44
140	High performance Pd catalysts supported on bimodal mesopore silica for the catalytic oxidation of toluene. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 1686-1693	11.3	12
139	Density functional theory study on the reaction of triazol-3-one with nitronium: direct nitration versus acidic group-induced nitration. <i>RSC Advances</i> , 2015 , 5, 25183-25191	3.7	5
138	Study of the Influence of Pore Width on the Disposal of Benzene Employing Tunable OMCs. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 1074-1080	3.9	10
137	H ₂ S-Selective Catalytic Oxidation: Catalysts and Processes. <i>ACS Catalysis</i> , 2015 , 5, 1053-1067	13.1	180
136	Facile synthesis of catalytically active CeO ₂ for soot combustion. <i>Catalysis Science and Technology</i> , 2015 , 5, 1941-1952	5.5	54
135	Insights into CeO ₂ -modified Ni ₂ MgAl oxides for pressurized carbon dioxide reforming of methane. <i>Chemical Engineering Journal</i> , 2015 , 259, 581-593	14.7	43
134	RuO ₂ /graphene hybrid material for high performance electrochemical capacitor. <i>Journal of Power Sources</i> , 2014 , 248, 407-415	8.9	106
133	Topochemical Oxidation Preparation of Regular Hexagonal Manganese Oxide Nanoplates with Birnessite-Type Layered Structure. <i>Crystal Growth and Design</i> , 2014 , 14, 5626-5633	3.5	23
132	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	13	42
131	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	13	34
130	Removal of cobalt(II) ion from aqueous solution by chitosan-montmorillonite. <i>Journal of Environmental Sciences</i> , 2014 , 26, 1879-84	6.4	65
129	Insights into the vanadia catalyzed oxidative dehydrogenation of isobutane with CO ₂ . <i>Chinese Journal of Catalysis</i> , 2014 , 35, 1329-1336	11.3	12
128	Adsorption template preparation of polyanilines with different morphologies and their capacitance. <i>Electrochimica Acta</i> , 2014 , 145, 99-108	6.7	33

127	High-performance NiBiO ₂ for pressurized carbon dioxide reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 11592-11605	6.7	25
126	Selective Catalytic Oxidation of H ₂ S over Well-Mixed Oxides Derived from Mg ₂ Al ₂ V ₂ O ₁₀ Layered Double Hydroxides. <i>ACS Catalysis</i> , 2014 , 4, 1500-1510	13.1	44
125	Effective catalytic decomposition of nitrous oxide over highly active and stable bimetallic CoIn-mordenite zeolite. <i>Journal of Molecular Catalysis A</i> , 2014 , 395, 202-209		7
124	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	21.8	104
123	Integrated assessment of CO ₂ reduction technologies in China's cement industry. <i>International Journal of Greenhouse Gas Control</i> , 2014 , 20, 27-36	4.2	32
122	Fe-Beta catalysts prepared by heating wet ion exchange and their catalytic performances on N ₂ O catalytic decomposition and reduction. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2014 , 9, 159-166	1.3	5
121	Highly Active and Stable NiBiO ₂ Prepared by a Complex-Decomposition Method for Pressurized Carbon Dioxide Reforming of Methane. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 19077-19086	2.9	19
120	Effects of metal and acidic sites on the reaction by-products of butyl acetate oxidation over palladium-based catalysts. <i>Journal of Environmental Sciences</i> , 2014 , 26, 702-7	6.4	6
119	Synthesis of TiO ₂ /ramie fiber composite and its photocatalytic effect on the degradation of a dye in wastewater. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013 , 110, 515-528	1.6	
118	Synthesis of graphene/NiFe ₂ O ₄ nanocomposites and their electrochemical capacitive behavior. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6393	13	141
117	Selective catalytic oxidation of H ₂ over iron oxide supported on alumina-intercalated Laponite clay catalysts. <i>Journal of Hazardous Materials</i> , 2013 , 260, 104-11	12.8	71
116	Characterization and assessment of volatile organic compounds (VOCs) emissions from typical industries. <i>Science Bulletin</i> , 2013 , 58, 724-730		102
115	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	5.5	36
114	Preparation and capacitance properties of graphene/NiAl layered double-hydroxide nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2013 , 396, 251-7	9.3	65
113	One-Step, Continuous-Flow, Highly Catalytic Hydrogenation/Isomerization of Dicyclopentadiene to exo-Tetrahydrodicyclopentadiene over Ni-Supported Catalysts for the Production of High-Energy-Density Fuel. <i>Energy & Fuels</i> , 2013 , 27, 6339-6347	4.1	20
112	Facile preparation of 3D ordered mesoporous CuO _x /FeO ₂ with notably enhanced efficiency for the low temperature oxidation of heteroatom-containing volatile organic compounds. <i>RSC Advances</i> , 2013 , 3, 19639	3.7	37
111	Facilely synthesized Fe ₂ O ₃ /graphene nanocomposite as novel electrode materials for supercapacitors with high performance. <i>Journal of Alloys and Compounds</i> , 2013 , 552, 486-491	5.7	119
110	Nanocasting synthesis of graphitized ordered mesoporous carbon using Fe-coated SBA-15 template. <i>Materials Chemistry and Physics</i> , 2013 , 138, 484-489	4.4	12

109	Promotional effects and mechanism of second cations on activity and stability of Co-MOR for nitrous oxide decomposition: UV-Vis spectroscopy and EXAFS analysis. <i>Chemical Engineering Journal</i> , 2013 , 226, 95-104	14.7	8
108	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	6.7	98
107	Mesoporous carbon-confined Au catalysts with superior activity for selective oxidation of glucose to gluconic acid. <i>Green Chemistry</i> , 2013 , 15, 1035	10	65
106	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, 613-20	12.8	36
105	Adsorption properties of benzene and water vapor on hyper-cross-linked polymers. <i>RSC Advances</i> , 2013 , 3, 20523	3.7	24
104	Novel Co-Mg-Al-Ti-O catalyst derived from hydrotalcite-like compound for NO storage/decomposition. <i>Journal of Environmental Sciences</i> , 2012 , 24, 488-93	6.4	11
103	Study of DDT and its derivatives DDD, DDE adsorption and degradation over Fe-SBA-15 at low temperature. <i>Journal of Environmental Sciences</i> , 2012 , 24, 536-40	6.4	18
102	Highly active manganese oxide catalysts for low-temperature oxidation of formaldehyde. <i>Microporous and Mesoporous Materials</i> , 2012 , 151, 397-402	5.3	56
101	Decomposition of nitrous oxide over Co-zeolite catalysts: role of zeolite structure and active site. <i>Catalysis Science and Technology</i> , 2012 , 2, 1249	5.5	32
100	Investigation of nitrous oxide decomposition over highly active and stable bimetallic CoFe-MOR zeolite catalyst: effective removal and mechanism study. <i>Catalysis Science and Technology</i> , 2012 , 2, 1059	5.5	13
99	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	13.1	54
98	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	3.9	41
97	Porous graphitized carbon for adsorptive removal of benzene and the electrothermal regeneration. <i>Environmental Science & Technology</i> , 2012 , 46, 12648-54	10.3	48
96	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	9.6	34
95	Supported Nanometric Pd Hierarchical Catalysts for Efficient Toluene Removal: Catalyst Characterization and Activity Elucidation. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 7211-7222	3.9	22
94	Effective desalination by capacitive deionization with functional graphene nanocomposite as novel electrode material. <i>Desalination</i> , 2012 , 299, 96-102	10.3	130
93	Synergistic and competitive adsorption of organic dyes on multiwalled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2012 , 197, 34-40	14.7	161
92	Catalytic combustion of chlorobenzene on the Ln modified Co/HMS. <i>Applied Catalysis B: Environmental</i> , 2012 , 127, 246-254	21.8	23

91	Nanometric Pd-confined mesoporous silica as high-efficient catalyst for toluene low temperature removal: Effects of support morphology and textural property. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 1598-1605	6.3	18
90	Novel synthesis and formation process of uniform Mn ₂ O ₃ cubes. <i>CrystEngComm</i> , 2012 , 14, 8253	3.3	14
89	Functional graphene nanocomposite as an electrode for the capacitive removal of FeCl ₃ from water. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14101		43
88	Cobalt zeolites: Preparation, characterization and catalytic properties for N ₂ O decomposition. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012 , 7, 502-509	1.3	11
87	Deep catalytic oxidation of benzene, toluene, ethyl acetate over Pd/SBA-15 catalyst: reaction behaviors and kinetics. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012 , 7, 705-715	1.3	12
86	N ₂ O catalytic reduction by NH ₃ over Fe-zeolites: Effective removal and active site. <i>Catalysis Communications</i> , 2012 , 18, 151-155	3.2	33
85	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	21.8	46
84	CoMOR zeolite catalyst prepared by buffered ion exchange for effective decomposition of nitrous oxide. <i>Journal of Hazardous Materials</i> , 2011 , 192, 1756-65	12.8	18
83	Adsorption and desorption performance of benzene over hierarchically structured carbon-silica aerogel composites. <i>Journal of Hazardous Materials</i> , 2011 , 196, 194-200	12.8	84
82	Catalytic oxidation of benzene over nanostructured porous Co ₃ O ₄ -CeO ₂ composite catalysts. <i>Journal of Environmental Sciences</i> , 2011 , 23, 2078-86	6.4	34
81	Adsorption performance of VOCs in ordered mesoporous silicas with different pore structures and surface chemistry. <i>Journal of Hazardous Materials</i> , 2011 , 186, 1615-24	12.8	160
80	Investigation of formaldehyde oxidation over Co ₃ O ₄ -Ce ₂ and Au/Co ₃ O ₄ -CeO ₂ catalysts at room temperature: effective removal and determination of reaction mechanism. <i>Environmental Science & Technology</i> , 2011 , 45, 3628-34	10.3	234
79	China's increasingly positive and active stance on climate change. <i>Environmental Science & Technology</i> , 2011 , 45, 2525-6	10.3	3
78	Sulfur-Resistant NO Decomposition Catalysts Derived from Co ₃ O ₄ /TiAl Hydrotalcite-like Compounds. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6651-6660	3.8	20
77	Development of novel MnO ₂ /nanoporous carbon composite electrodes in capacitive deionization technology. <i>Desalination</i> , 2011 , 276, 199-206	10.3	128
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