Yue Peng

List of Publications by Year
in descending order

167 papers	11,217 citations	18465 62 h-index	36008 97 g-index
168 all docs	168 docs citations	168 times ranked	5817 citing authors

#	Article	IF	Citations
1	Comparative study of Î±-, Î²-, Î³- and Î´-MnO2 on toluene oxidation: Oxygen vacancies and reaction intermediates. Applied Catalysis B: Environmental, 2020, 260, 118150.	10.8	400
2	Novel effect of SO2 on the SCR reaction over CeO2: Mechanism and significance. Applied Catalysis B: Environmental, 2013, 136-137, 19-28.	10.8	312
3	Identification of the active sites on CeO2â€“WO3 catalysts for SCR of NOx with NH3: An in situ IR and Raman spectroscopy study. Applied Catalysis B: Environmental, 2013, 140-141, 483-492.	10.8	295
4	Perfluorooctanoic Acid Degradation Using UVâ€“Persulfate Process: Modeling of the Degradation and Chlorate Formation. Environmental Science & Technology, 2016, 50, 772-781.	4.6	294
5	Removal of Antimonite (Sb(III)) and Antimonate (Sb(V)) from Aqueous Solution Using Carbon Nanofibers That Are Decorated with Zirconium Oxide (ZrO₂). Environmental Science & Technology, 2015, 49, 11115-11124.	4.6	233
6	Roles of Oxygen Vacancies in the Bulk and Surface of CeO₂ for Toluene Catalytic Combustion. Environmental Science & Technology, 2020, 54, 12684-12692.	4.6	231
7	Mechanism of N₂O Formation during the Low-Temperature Selective Catalytic Reduction of NO with NH₃ over Mnâ€“Fe Spinel. Environmental Science & Technology, 2014, 48, 10354-10362.	4.6	225
8	Alkali Metal Poisoning of a CeO₂â€“WO₃ Catalyst Used in the Selective Catalytic Reduction of NO_{<i>x</i>} with NH₃: an Experimental and Theoretical Study. Environmental Science & Technology, 2012, 46, 2864-2869.	4.6	200
9	Selective Dissolution of Aâ€Site Cations in ABO₃ Perovskites: A New Path to Highâ€Performance Catalysts. Angewandte Chemie - International Edition, 2015, 54, 7954-7957.	7.2	180
10	Deactivation and regeneration of a commercial SCR catalyst: Comparison with alkali metals and arsenic. Applied Catalysis B: Environmental, 2015, 168-169, 195-202.	10.8	180
11	Feâ€“Ti spinel for the selective catalytic reduction of NO with NH3: Mechanism and structureâ€“activity relationship. Applied Catalysis B: Environmental, 2012, 117-118, 73-80.	10.8	178
12	Dispersion of tungsten oxide on SCR performance of V2O5WO3/TiO2: Acidity, surface species and catalytic activity. Chemical Engineering Journal, 2013, 225, 520-527.	6.6	177
13	Efficient Electrochemical Nitrate Reduction to Ammonia with Copperâ€Supported Rhodium Cluster and Singleâ€Atom Catalysts. Angewandte Chemie - International Edition, 2022, 61, .	7.2	170
14	A high-efficiency Î³-MnO₂-like catalyst in toluene combustion. Chemical Communications, 2015, 51, 14977-14980.	2.2	153
15	Mechanism of arsenic poisoning on SCR catalyst of CeW/Ti and its novel efficient regeneration method with hydrogen. Applied Catalysis B: Environmental, 2016, 184, 246-257.	10.8	149
16	Structureâ€“activity relationship of VOx/CeO2 nanorod for NO removal with ammonia. Applied Catalysis B: Environmental, 2014, 144, 538-546.	10.8	144
17	Deactivation Mechanism of Potassium on the V₂O₅/CeO₂ Catalysts for SCR Reaction: Acidity, Reducibility and Adsorbed-NO_{<i>x</i>}. Environmental Science & Technology, 2014, 48, 4515-4520.	4.6	137
18	Novel nanowire self-assembled hierarchical CeO2 microspheres for low temperature toluene catalytic combustion. Chemical Engineering Journal, 2018, 331, 425-434.	6.6	135

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19	Design Strategies for Development of SCR Catalyst: Improvement of Alkali Poisoning Resistance and Novel Regeneration Method. Environmental Science & Technology, 2012, 46, 12623-12629.	4.6	134
20	Controllable redox-induced in-situ growth of MnO2 over Mn2O3 for toluene oxidation: Active heterostructure interfaces. Applied Catalysis B: Environmental, 2020, 278, 119279.	10.8	131
21	Templateâ€free Scalable Synthesis of Flowerâ€like Co_{3â€<i>x</i>}Mn_{<i>x</i>}O₄ Spinel Catalysts for Toluene Oxidation. ChemCatChem, 2018, 10, 3429-3434.	1.8	125
22	Low content of CoOx supported on nanocrystalline CeO2 for toluene combustion: The importance of interfaces between active sites and supports. Applied Catalysis B: Environmental, 2019, 240, 329-336.	10.8	124
23	The role of the Cu dopant on a Mn3O4 spinel SCR catalyst: Improvement of low-temperature activity and sulfur resistance. Chemical Engineering Journal, 2020, 387, 124090.	6.6	124
24	Comparison of MoO3 and WO3 on arsenic poisoning V2O5/TiO2 catalyst: DRIFTS and DFT study. Applied Catalysis B: Environmental, 2016, 181, 692-698.	10.8	117
25	Multipollutant Control (MPC) of Flue Gas from Stationary Sources Using SCR Technology: A Critical Review. Environmental Science & Technology, 2021, 55, 2743-2766.	4.6	117
26	De-reducibility mechanism of titanium on maghemite catalysts for the SCR reaction: An in situ DRIFTS and quantitative kinetics study. Applied Catalysis B: Environmental, 2018, 221, 556-564.	10.8	116
27	The relationship between structure and activity of MoO3â€“CeO2 catalysts for NO removal: influences of acidity and reducibility. Chemical Communications, 2013, 49, 6215.	2.2	113
28	Enhanced low-temperature activity of LaMnO3 for toluene oxidation: The effect of treatment with an acidic KMnO4. Chemical Engineering Journal, 2019, 366, 92-99.	6.6	112
29	Ammonia adsorption on graphene and graphene oxide: a first-principles study. Frontiers of Environmental Science and Engineering, 2013, 7, 403-411.	3.3	111
30	Facile surface improvement method for LaCoO₃ for toluene oxidation. Catalysis Science and Technology, 2018, 8, 3166-3173.	2.1	111
31	The effect of SiO2 on a novel CeO2â€“WO3/TiO2 catalyst for the selective catalytic reduction of NO with NH3. Applied Catalysis B: Environmental, 2013, 140-141, 276-282.	10.8	110
32	Surface Tuning of La_{0.5}Sr_{0.5}CoO₃ Perovskite Catalysts by Acetic Acid for NO_{<i>x</i>} Storage and Reduction. Environmental Science & Technology, 2016, 50, 6442-6448.	4.6	108
33	Investigation of the Poisoning Mechanism of Lead on the CeO₂â€”WO₃ Catalyst for the NH₃â€“SCR Reaction via in Situ IR and Raman Spectroscopy Measurement. Environmental Science & Technology, 2016, 50, 9576-9582.	4.6	106
34	Using Transient FTIR Spectroscopy to Probe Active Sites and Reaction Intermediates for Selective Catalytic Reduction of NO on Cu/SSZ-13 Catalysts. ACS Catalysis, 2019, 9, 6137-6145.	5.5	105
35	Investigation on a novel CaOâ€“Y2O3 sorbent for efficient CO2 mitigation. Chemical Engineering Journal, 2014, 243, 297-304.	6.6	103
36	Comparison on the Performance of Î±-Fe2O3 and Î³-Fe2O3 for Selective Catalytic Reduction of Nitrogen Oxides with Ammonia. Catalysis Letters, 2013, 143, 697-704.	1.4	101

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37	Low temperature complete combustion of methane over cobalt chromium oxides catalysts. Catalysis Today, 2013, 201, 12-18.	2.2	100
38	Chemical poison and regeneration of SCR catalysts for NO x removal from stationary sources. Frontiers of Environmental Science and Engineering, 2016, 10, 413-427.	3.3	100
39	Insight into Deactivation of Commercial SCR Catalyst by Arsenic: An Experiment and DFT Study. Environmental Science & Technology, 2014, 48, 13895-13900.	4.6	98
40	Ceria promotion on the potassium resistance of MnOx/TiO2 SCR catalysts: An experimental and DFT study. Chemical Engineering Journal, 2015, 269, 44-50.	6.6	92
41	Substitution of WO₃in V₂O₅/WO₃â€“TiO₂by Fe₂O₃for selective catalytic reduction of NO with NH3. Catalysis Science and Technology, 2013, 3, 161-168.	2.1	90
42	Synthesis, characterization, and catalytic evaluation of Co 3 O 4 /Î³-Al 2 O 3 as methane combustion catalysts: Significance of Co species and the redox cycle. Applied Catalysis B: Environmental, 2015, 168-169, 42-50.	10.8	90
43	Impacts of Pb and SO₂ Poisoning on CeO₂â€“WO₃/TiO₂â€“SiO₂ SCR Catalyst. Environmental Science & Technology, 2017, 51, 11943-11949.	4.6	90
44	Regeneration of Commercial SCR Catalysts: Probing the Existing Forms of Arsenic Oxide. Environmental Science & Technology, 2015, 49, 9971-9978.	4.6	89
45	Reaction Pathway Investigation on the Selective Catalytic Reduction of NO with NH₃ over Cu/SSZ-13 at Low Temperatures. Environmental Science & Technology, 2015, 49, 467-473.	4.6	87
46	Different exposed facets VO /CeO2 catalysts for the selective catalytic reduction of NO with NH3. Chemical Engineering Journal, 2018, 349, 184-191.	6.6	86
47	The deactivation mechanism of toluene on MnOx-CeO2 SCR catalyst. Applied Catalysis B: Environmental, 2020, 277, 119257.	10.8	86
48	Superior Oxidative Dehydrogenation Performance toward NH₃ Determines the Excellent Low-Temperature NH₃-SCR Activity of Mn-Based Catalysts. Environmental Science & Technology, 2021, 55, 6995-7003.	4.6	83
49	The poisoning mechanism of gaseous HCl on low-temperature SCR catalysts: MnO â^'CeO2 as an example. Applied Catalysis B: Environmental, 2020, 267, 118668.	10.8	82
50	Alloying effect-induced electron polarization drives nitrate electroreduction to ammonia. Chem Catalysis, 2021, 1, 1088-1103.	2.9	80
51	NH3-SCR performance of WO3 blanketed CeO2 with different morphology: Balance of surface reducibility and acidity. Catalysis Today, 2019, 332, 42-48.	2.2	79
52	Correlation of the changes in the framework and active Cu sites for typical Cu/CHA zeolites (SSZ-13) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	76
53	Non-thermal plasma catalysis for chlorobenzene removal over CoMn/TiO2 and CeMn/TiO2: Synergistic effect of chemical catalysis and dielectric constant. Chemical Engineering Journal, 2018, 347, 447-454.	6.6	76
54	Performance and Mechanism of Photocatalytic Toluene Degradation and Catalyst Regeneration by Thermal/UV Treatment. Environmental Science & Technology, 2020, 54, 14465-14473.	4.6	76

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55	Deactivation Mechanism of Multipoisons in Cement Furnace Flue Gas on Selective Catalytic Reduction Catalysts. Environmental Science & Technology, 2019, 53, 6937-6944.	4.6	75
56	Synergistic Promotion Effect between NO_{<i>x</i>} and Chlorobenzene Removal on MnO_{<i>x</i>}â€“CeO₂ Catalyst. ACS Applied Materials & Interfaces, 2018, 10, 30426-30432.	4.0	74
57	Extraordinary Deactivation Offset Effect of Arsenic and Calcium on CeO₂â€“WO₃ SCR Catalysts. Environmental Science & Technology, 2018, 52, 8578-8587.	4.6	73
58	Interaction of phosphorus with a FeTiOx catalyst for selective catalytic reduction of NOx with NH3: Influence on surface acidity and SCR mechanism. Chemical Engineering Journal, 2018, 347, 173-183.	6.6	72
59	Theory and practice of metal oxide catalyst design for the selective catalytic reduction of NO with NH3. Catalysis Today, 2021, 376, 292-301.	2.2	71
60	Boosting the Catalytic Performance of CeO₂ in Toluene Combustion via the Ceâ€“Ce Homogeneous Interface. Environmental Science & Technology, 2021, 55, 12630-12639.	4.6	71
61	Structural effects of iron spinel oxides doped with Mn, Co, Ni and Zn on selective catalytic reduction of NO with NH3. Journal of Molecular Catalysis A, 2013, 376, 13-21.	4.8	68
62	Performance of Modified La_{<i>x</i>}Sr_{1â€“<i>x</i>}MnO₃ Perovskite Catalysts for NH₃ Oxidation: TPD, DFT, and Kinetic Studies. Environmental Science & Technology, 2018, 52, 7443-7449.	4.6	67
63	Selective catalytic reduction of NO with NH₃ over novel ironâ€“tungsten mixed oxide catalyst in a broad temperature range. Catalysis Science and Technology, 2015, 5, 4556-4564.	2.1	65
64	Comparison of the Structures and Mechanism of Arsenic Deactivation of CeO₂â€“MoO₃ and CeO₂â€“WO₃ SCR Catalysts. Journal of Physical Chemistry C, 2016, 120, 18005-18014.	1.5	64
65	Probing Active-Site Relocation in Cu/SSZ-13 SCR Catalysts during Hydrothermal Aging by In Situ EPR Spectroscopy, Kinetics Studies, and DFT Calculations. ACS Catalysis, 2020, 10, 9410-9419.	5.5	64
66	Dechlorination of chlorobenzene on vanadium-based catalysts for low-temperature SCR. Chemical Communications, 2018, 54, 2032-2035.	2.2	63
67	Characterization of CeO2â€“WO3 catalysts prepared by different methods for selective catalytic reduction of NO with NH3. Catalysis Communications, 2013, 40, 145-148.	1.6	61
68	Ultra hydrothermal stability of CeO2-WO3/TiO2 for NH3-SCR of NO compared to traditional V2O5-WO3/TiO2 catalyst. Catalysis Today, 2015, 258, 11-16.	2.2	61
69	Hollow-Structural Ag/Co₃O₄ Nanocatalyst for CO Oxidation: Interfacial Synergistic Effect. ACS Applied Nano Materials, 2019, 2, 3480-3489.	2.4	60
70	Selective Dissolution of Aâ€Site Cations in ABO₃ Perovskites: A New Path to Highâ€Performance Catalysts. Angewandte Chemie, 2015, 127, 8065-8068.	1.6	58
71	Sn-doped rutile TiO2 for vanadyl catalysts: Improvements on activity and stability in SCR reaction. Applied Catalysis B: Environmental, 2020, 269, 118797.	10.8	57
72	Dextrose-aided hydrothermal preparation with large surface area on 1D single-crystalline perovskite La0.5Sr0.5CoO3 nanowires without template: Highly catalytic activity for methane combustion. Journal of Molecular Catalysis A, 2013, 378, 299-306.	4.8	56

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73	Studies on toluene adsorption performance and hydrophobic property in phenyl functionalized KIT-6. Chemical Engineering Journal, 2018, 334, 191-197.	6.6	56
74	Manganese doped CeO2â€"WO3 catalysts for the selective catalytic reduction of NO with NH3: An experimental and theoretical study. Catalysis Communications, 2012, 19, 127-131.	1.6	55
75	Multi-pollutant control (MPC) of NO and chlorobenzene from industrial furnaces using a vanadia-based SCR catalyst. Applied Catalysis B: Environmental, 2021, 285, 119835.	10.8	54
76	Intra-crystalline mesoporous zeolite encapsulation-derived thermally robust metal nanocatalyst in deep oxidation of light alkanes. Nature Communications, 2022, 13, 295.	5.8	54
77	A novel magnetic Feâ€"Tiâ€"V spinel catalyst for the selective catalytic reduction of NO with NH3 in a broad temperature range. Catalysis Science and Technology, 2012, 2, 915.	2.1	53
78	Surface In Situ Doping Modification over Mn₂O₃ for Toluene and Propene Catalytic Oxidation: The Effect of Isolated Cu^{Î´+} Insertion into the Mezzanine of Surface MnO₂ Cladding. ACS Applied Materials & Interfaces, 2021, 13, 2753-2764.	4.0	53
79	Photothermal Synergistic Effect of Pt₁/CuO-CeO₂ Single-Atom Catalysts Significantly Improving Toluene Removal. Environmental Science & Technology, 2022, 56, 8722-8732.	4.6	52
80	Effects of noble metals doped on mesoporous <scp>LaAlNi</scp> mixed oxide catalyst and identification of carbon deposit for reforming <scp>CH₄</scp> with <scp>CO₂</scp>. Journal of Chemical Technology and Biotechnology, 2014, 89, 372-381.	1.6	51
81	An experimental and DFT study of the adsorption and oxidation of NH3 on a CeO2 catalyst modified by Fe, Mn, La and Y. Catalysis Today, 2015, 242, 300-307.	2.2	51
82	Core-shell-like structured Î±-MnO2@CeO2 catalyst for selective catalytic reduction of NO: Promoted activity and SO2 tolerance. Chemical Engineering Journal, 2020, 391, 123473.	6.6	50
83	Identification of the reaction pathway and reactive species for the selective catalytic reduction of NO with NH₃ over ceriumâ€"niobium oxide catalysts. Catalysis Science and Technology, 2016, 6, 2136-2142.	2.1	49
84	MnO -CeO2 catalysts for effective NO reduction in the presence of chlorobenzene. Catalysis Communications, 2018, 117, 1-4.	1.6	49
85	Balance of activation and ring-breaking for toluene oxidation over CuO-MnO bimetallic oxides. Journal of Hazardous Materials, 2021, 415, 125637.	6.5	49
86	Experimental and DFT studies on Sr-doped LaMnO₃ catalysts for NO_x storage and reduction. Catalysis Science and Technology, 2015, 5, 2478-2485.	2.1	48
87	Interaction Mechanism for Simultaneous Elimination of Nitrogen Oxides and Toluene over the Bifunctional CeO₂â€"TiO₂ Mixed Oxide Catalyst. Environmental Science & Technology, 2022, 56, 4467-4476.	4.6	47
88	Dual Active Centers Bridged by Oxygen Vacancies of Ruthenium Singleâ€Atom Hybrids Supported on Molybdenum Oxide for Photocatalytic Ammonia Synthesis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	45
89	Inhibition Effect of Phosphorus Poisoning on the Dynamics and Redox of Cu Active Sites in a Cu-SSZ-13 NH₃-SCR Catalyst for NO<i>_x</i> Reduction. Environmental Science & Technology, 2021, 55, 12619-12629.	4.6	43
90	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.	10.8	42

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91	A multiple-active-site Cu/SSZ-13 for NH3-SCO: Influence of Si/Al ratio on the catalytic performance. Catalysis Communications, 2020, 135, 105751.	1.6	40
92	Engineering surface functional groups on mesoporous silica: towards a humidity-resistant hydrophobic adsorbent. Journal of Materials Chemistry A, 2018, 6, 13769-13777.	5.2	39
93	The synergistic mechanism of NO_x and chlorobenzene degradation in municipal solid waste incinerators. Catalysis Science and Technology, 2019, 9, 4286-4292.	2.1	39
94	Fe-Doped Î±-MnO₂ nanorods for the catalytic removal of NO_x and chlorobenzene: the relationship between lattice distortion and catalytic redox properties. Physical Chemistry Chemical Physics, 2019, 21, 25880-25888.	1.3	39
95	The relationship between surface open cells of Î±-MnO₂ and CO oxidation ability from a surface point of view. Journal of Materials Chemistry A, 2017, 5, 20911-20921.	5.2	38
96	A new insight into adsorption state and mechanism of adsorbates in porous materials. Journal of Hazardous Materials, 2020, 382, 121103.	6.5	38
97	Like Cures like: Detoxification Effect between Alkali Metals and Sulfur over the V₂O₅/TiO₂ deNO_{<i>x</i>} Catalyst. Environmental Science & Technology, 2022, 56, 3739-3747.	4.6	38
98	Impact of NOx and NH3 addition on toluene oxidation over MnOx-CeO2 catalyst. Journal of Hazardous Materials, 2021, 416, 125939.	6.5	37
99	Balance between Reducibility and N₂O Adsorption Capacity for the N₂O Decomposition: Cu_{<i>x</i>}Co_{<i>y</i>} Catalysts as an Example. Environmental Science & Technology, 2019, 53, 10379-10386.	4.6	36
100	Highly selective Î±-Mn2O3 catalyst for cGPF soot oxidation: Surface activated oxygen enhancement via selective dissolution. Chemical Engineering Journal, 2019, 364, 448-451.	6.6	35
101	The promotional effect of MoO3 doped V2O5/TiO2 for chlorobenzene oxidation. Catalysis Communications, 2015, 69, 161-164.	1.6	34
102	Revealing the Synergistic Deactivation Mechanism of Hydrothermal Aging and SO₂ Poisoning on Cu/SSZ-13 under SCR Condition. Environmental Science & Technology, 2022, 56, 1917-1926.	4.6	34
103	A novel Î³-like MnO2 catalyst for ozone decomposition in high humidity conditions. Journal of Hazardous Materials, 2021, 420, 126641.	6.5	33
104	High Selectivity to HCl for the Catalytic Removal of 1,2-Dichloroethane Over RuP/3DOM WO_{<i>x</i>}: Insights into the Effects of P-Doping and H₂O Introduction. Environmental Science & Technology, 2021, 55, 14906-14916.	4.6	33
105	NO_{<i>x</i>}Removal over V₂O₅/WO₃â€“TiO₂Prepared by a Grinding Method: Influence of the Precursor on Vanadium Dispersion. Industrial & Engineering Chemistry Research, 2018, 57, 150-157.	1.8	32
106	Synthesis of Î±â€“MnO2â€“like rod catalyst using YMn2O5 Aâ€“site sacrificial strategy for efficient benzene oxidation. Journal of Hazardous Materials, 2021, 403, 123811.	6.5	32
107	Vanadium-density-dependent thermal decomposition of NH₄HSO₄ on V₂O₅/TiO₂ SCR catalysts. Catalysis Science and Technology, 2019, 9, 3779-3787.	2.1	31
108	Effects of dietary vitamin C and vitamin E on the growth, antioxidant defence and digestive enzyme activities of juvenile discus fish (<i>Symphysodon haraldi</i>). Aquaculture Nutrition, 2019, 25, 176-183.	1.1	31

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109	Fabrication and Electrochemical Treatment Application of an Al-Doped PbO₂Electrode with High Oxidation Capability, Oxygen Evolution Potential and Reusability. Journal of the Electrochemical Society, 2015, 162, E258-E262.	1.3	30
110	A neutral and coordination regeneration method of Ca-poisoned V2O5-WO3/TiO2 SCR catalyst. Catalysis Communications, 2017, 100, 112-116.	1.6	30
111	Promotion Effect of Gaâˆ'Co Spinel Derived from Layered Double Hydroxides for Toluene Oxidation. ChemCatChem, 2018, 10, 4838-4843.	1.8	30
112	Rational tuning towards A/B-sites double-occupying cobalt on tri-metallic spinel: Insights into its catalytic activity on toluene catalytic oxidation. Chemical Engineering Journal, 2020, 399, 125792.	6.6	30
113	Fabrication of Nanohybrid Spinel@CuO Catalysts for Propane Oxidation: Modified Spinel and Enhanced Activity by Temperature-Dependent Acid Sites. ACS Applied Materials & Interfaces, 2021, 13, 27106-27118.	4.0	30
114	Boosting nitrous oxide direct decomposition performance based on samarium doping effects. Chemical Engineering Journal, 2021, 414, 128643.	6.6	30
115	New insight on electroreduction of nitrate to ammonia driven by oxygen vacancies-induced strong interface interactions. Journal of Catalysis, 2022, 406, 39-47.	3.1	29
116	Efficient Electron Transfer by Plasmonic Silver in SrTiO₃ for Low-Concentration Photocatalytic NO Oxidation. Environmental Science & Technology, 2022, 56, 3604-3612.	4.6	29
117	Iron tungsten mixed composite as a robust oxygen evolution electrocatalyst. Chemical Communications, 2019, 55, 10944-10947.	2.2	28
118	Carbon/chlorinate deposition on MnOx-CeO2 catalyst in chlorobenzene combustion: The effect of SCR flue gas. Chemical Engineering Journal, 2022, 433, 133552.	6.6	28
119	Efficient Electrochemical Nitrate Reduction to Ammonia with Copperâ€Supported Rhodium Cluster and Singleâ€Atom Catalysts. Angewandte Chemie, 2022, 134, .	1.6	28
120	The outstanding performance of LDH-derived mixed oxide Mn/CoAlO_x for Hg⁰ oxidation. Catalysis Science and Technology, 2015, 5, 3536-3544.	2.1	27
121	Nature of active Fe species and reaction mechanism over high-efficiency Fe/CHA catalysts in catalytic decomposition of N2O. Journal of Catalysis, 2020, 392, 322-335.	3.1	27
122	Distinctive Bimetallic Oxides for Enhanced Catalytic Toluene Combustion: Insights into the Tunable Fabrication of Mnâˆ'Ce Hollow Structure. ChemCatChem, 2020, 12, 2872-2879.	1.8	27
123	Surface Reconstruction of a Mullite-Type Catalyst via Selective Dissolution for NO Oxidation. ACS Catalysis, 2021, 11, 14507-14520.	5.5	27
124	Simultaneous removal of NOx and chlorobenzene on V2O5/TiO2 granular catalyst: Kinetic study and performance prediction. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	3.3	26
125	The effect of additives and intermediates on vanadia-based catalyst for multi-pollutant control. Catalysis Science and Technology, 2020, 10, 323-326.	2.1	25
126	Modified red mud catalyst for the selective catalytic reduction of nitrogen oxides: Impact mechanism of cerium precursors on surface physicochemical properties. Chemosphere, 2020, 257, 127215.	4.2	25

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127	Modified Silica Adsorbents for Toluene Adsorption under Dry and Humid Conditions: Impacts of Pore Size and Surface Chemistry. Langmuir, 2019, 35, 8927-8934.	1.6	24
128	New Insights on Competitive Adsorption of NO/SO₂ on TiO₂ Anatase for Photocatalytic NO Oxidation. Environmental Science & Technology, 2021, 55, 9285-9292.	4.6	24
129	Promotion of H₃PW₁₂O₄₀ Grafting on NO_{<i>x</i>} Abatement over Î³-Fe₂O₃: Performance and Reaction Mechanism. Industrial & Engineering Chemistry Research, 2018, 57, 13661-13670.	1.8	22
130	Deactivation of Pt-Au/TiO2-CeO2 catalyst for co-oxidation of HCHO, H2 and CO at room temperature: Degradations of active sites and mutual influence between reactants. Applied Catalysis A: General, 2019, 582, 117116.	2.2	22
131	Activity improvement of acid treatment on LaFeO3 catalyst for CO oxidation. Catalysis Today, 2021, 376, 205-210.	2.2	21
132	Facile synthesis Î»â€MnO2 spinel for highly effective catalytic oxidation of benzene. Chemical Engineering Journal, 2021, 421, 127828.	6.6	21
133	NH3 selective catalytic reduction of NO: A large surface TiO2 support and its promotion of V2O5 dispersion on the prepared catalyst. Chinese Journal of Catalysis, 2016, 37, 878-887.	6.9	20
134	Quantitative Cu Counting Methodologies for Cu/SSZ-13 Selective Catalytic Reduction Catalysts by Electron Paramagnetic Resonance Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 28061-28073.	1.5	20
135	Severe deactivation and artificial enrichment of thallium on commercial SCR catalysts installed in cement kiln. Applied Catalysis B: Environmental, 2020, 277, 119194.	10.8	20
136	Selective Catalytic Reduction of NO_{<i>x</i>} with NH₃ over Cu/SSZ-13: Elucidating Dynamics of Cu Active Sites with In Situ UVâ€"Vis Spectroscopy and DFT Calculations. Journal of Physical Chemistry C, 2022, 126, 8720-8733.	1.5	20
137	Novel W-modified SnMnCeO catalyst for the selective catalytic reduction of NO with NH3. Catalysis Communications, 2017, 100, 117-120.	1.6	19
138	Nb-incorporated Fe (oxy)hydroxide derived from structural transformation for efficient oxygen evolution electrocatalysis. Journal of Materials Chemistry A, 2020, 8, 24598-24607.	5.2	18
139	The Roles of Various Plasma Active Species in Toluene Degradation by Non-thermal Plasma and Plasma Catalysis. Plasma Chemistry and Plasma Processing, 2019, 39, 1469-1482.	1.1	17
140	Comparison of NH3-SCO performance over CuOx/H-SSZ-13 and CuOx/H-SAPO-34 catalysts. Applied Catalysis A: General, 2019, 585, 117119.	2.2	17
141	Investigation on removal of NO and Hg0 with different Cu species in Cu-SAPO-34 zeolites. Catalysis Communications, 2019, 119, 91-95.	1.6	17
142	New Insight into the In Situ SO2 Poisoning Mechanism over Cu-SSZ-13 for the Selective Catalytic Reduction of NOx with NH3. Catalysts, 2020, 10, 1391.	1.6	17
143	Identification of Intrinsic Active Sites for the Selective Catalytic Reduction of Nitric Oxide on Metal-Free Carbon Catalysts via Selective Passivation. ACS Catalysis, 2022, 12, 1024-1030.	5.5	17
144	Effect of Fe precursors on the catalytic activity of Fe/SAPO-34 catalysts for N2O decomposition. Catalysis Communications, 2019, 128, 105706.	1.6	16

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