Junhua Li

List of Publications by Year in descending order

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297 papers	26,565 citations	4146 87 h-index	7950 149 g-index
299 all docs	299 docs citations	299 times ranked	10914 citing authors

#	Article	IF	Citations
1	Cerium-tungsten oxides supported on activated red mud for the selective catalytic reduction of NO. Green Energy and Environment, 2023, 8, 173-182.	8.7	4
2	Application of smog chambers in atmospheric process studies. National Science Review, 2022, 9, nwab103.	9.5	21
3	Impact of anthropogenic heat emissions on meteorological parameters and air quality in Beijing using a high-resolution model simulation. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	6.0	14
4	Remarkable enhancement in the N2 selectivity of NH3-SCR over the CeNb3Fe0.3/TiO2 catalyst in the presence of chlorobenzene. Environmental Science and Pollution Research, 2022, 29, 19309-19323.	5.3	2
5	Carbon/chlorinate deposition on MnOx-CeO2 catalyst in chlorobenzene combustion: The effect of SCR flue gas. Chemical Engineering Journal, 2022, 433, 133552.	12.7	28
6	Precise regulation of acid pretreatment for red mud SCR catalyst: Targeting on optimizing the acidity and reducibility. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	6.0	12
7	Coordinated Control of Fine-Particle and Ozone Pollution by the Substantial Reduction of Nitrogen Oxides. Engineering, 2022, 15, 13-16.	6.7	5
8	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.	10.0	34
9	Improvement of Al2O3 on the multi-pollutant control performance of NOx and chlorobenzene in vanadia-based catalysts. Chemosphere, 2022, 289, 133156.	8.2	13
10	Synthesis of TixSn1-xO2 mixed metal oxide for copper catalysts as high-efficiency NH3 selective catalytic oxidation. Fuel, 2022, 314, 123061.	6.4	24
11	Deactivation of Pd/SSZ-13 by Potassium and Water for Passive NOx Adsorption. Processes, 2022, 10, 222.	2.8	6
12	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.	11.2	17
13	Synergistic Effects of a CeO₂/SmMn₂O₅â€“H Diesel Oxidation Catalyst Induced by Acid-Selective Dissolution Drive the Catalytic Oxidation Reaction. ACS Applied Materials & Interfaces, 2022, 14, 2860-2870.	8.0	8
14	New insight on electroreduction of nitrate to ammonia driven by oxygen vacancies-induced strong interface interactions. Journal of Catalysis, 2022, 406, 39-47.	6.2	29
15	Direct incorporating small amount of Ce (III) in Cu-SAPO-18 catalysts for enhanced low-temperature NH3-SCR activity: Influence on Cu distribution and Si coordination. Chemical Engineering Journal, 2022, 435, 134890.	12.7	16
16	Dual Active Centers Bridged by Oxygen Vacancies of Ruthenium Singleâ€Atom Hybrids Supported on Molybdenum Oxide for Photocatalytic Ammonia Synthesis. Angewandte Chemie, 2022, 134, .	2.0	8
17	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, .	13.8	45
18	Like Cures like: Detoxification Effect between Alkali Metals and Sulfur over the V₂O₅/TiO₂ deNO_x Catalyst. Environmental Science & Technology, 2022, 56, 3739-3747.	10.0	38

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19	Metalâ€“Support Interactions within a Dual-Site Pd/YMn₂O₅ Catalyst during CH₄ Combustion. ACS Catalysis, 2022, 12, 4430-4439.	11.2	16
20	Breaking the Activityâ€“Selectivity Trade-Off for Simultaneous Catalytic Elimination of Nitric Oxide and Chlorobenzene via FeVO₄â€“Fe₂O₃ Interfacial Charge Transfer. ACS Catalysis, 2022, 12, 3797-3806.	11.2	43
21	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.	10.0	47
22	Efficient Electron Transfer by Plasmonic Silver in SrTiO₃ for Low-Concentration Photocatalytic NO Oxidation. Environmental Science & Technology, 2022, 56, 3604-3612.	10.0	29
23	Efficient Electrochemical Nitrate Reduction to Ammonia with Copperâ€Supported Rhodium Cluster and Singleâ€Atom Catalysts. Angewandte Chemie - International Edition, 2022, 61, .	13.8	170
24	Efficient Electrochemical Nitrate Reduction to Ammonia with Copperâ€Supported Rhodium Cluster and Singleâ€Atom Catalysts. Angewandte Chemie, 2022, 134, .	2.0	28
25	Efficient and Simple Strategy to Obtain Ordered Mesoporous Carbons with Abundant Structural Base N Sites toward CO₂ Selective Capture and Catalytic Conversion. ACS Sustainable Chemistry and Engineering, 2022, 10, 5175-5182.	6.7	5
26	Two-step hydrothermal synthesis of highly active MnOx-CeO2 for complete oxidation of formaldehyde. Chemical Engineering Journal, 2022, 440, 135854.	12.7	25
27	Selective Catalytic Reduction of NO_x 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.	3.1	20
28	Intrinsic insight of energy-efficiency optimization for CO2 capture by amine-based solvent: effect of mass transfer and solvent regeneration. International Journal of Greenhouse Gas Control, 2022, 118, 103673.	4.6	14
29	Understanding the Water Effect for Selective Catalytic Reduction of NO_x with NH₃ over Cu-SSZ-13 Catalysts. ACS ES&T Engineering, 2022, 2, 1684-1696.	7.6	7
30	Structure-Directing Role of Support on Hg⁰ Oxidation over V₂O₅/TiO₂ Catalyst Revealed for NO_x and Hg⁰ Simultaneous Control in an SCR Reactor. Environmental Science & Technology, 2022, 56, 9702-9711.	10.0	20
31	Inducing efficient proton transfer through Fe/Ni@COF to promote amine-based solvent regeneration for achieving low-cost capture of CO2 from industrial flue gas. Separation and Purification Technology, 2022, 298, 121676.	7.9	19
32	Hierarchically devising NiFeO H catalyst with surface Fe active sites for efficient oxygen evolution reaction. Catalysis Today, 2021, 364, 140-147.	4.4	14
33	Theory and practice of metal oxide catalyst design for the selective catalytic reduction of NO with NH3. Catalysis Today, 2021, 376, 292-301.	4.4	71
34	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.	6.0	26
35	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.	12.4	32
36	Flame synthesized nanoscale catalyst (CuCeWTi) with excellent Hg0 oxidation activity and hydrothermal resistance. Journal of Hazardous Materials, 2021, 408, 124427.	12.4	6

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37	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.	8.0	53
38	Predicting the adsorption of organic pollutants on boron nitride nanosheets via in silico techniques: DFT computations and QSAR modeling. Environmental Science: Nano, 2021, 8, 795-805.	4.3	13
39	The Absence of Oxygen in Sulfation Promotes the Performance of the Sulfated CeO₂ Catalyst for Low-Temperature Selective Catalytic Reduction of NO_x by NH₃: Redox Property versus Acidity. ACS Sustainable Chemistry and Engineering, 2021, 9, 967-979.	6.7	35
40	Multipollutant Control (MPC) of Flue Gas from Stationary Sources Using SCR Technology: A Critical Review. Environmental Science & Technology, 2021, 55, 2743-2766.	10.0	117
41	Multi-pollutant control (MPC) of NO and chlorobenzene from industrial furnaces using a vanadia-based SCR catalyst. Applied Catalysis B: Environmental, 2021, 285, 119835.	20.2	54
42	Penetration of Arsenic and Deactivation of a Honeycomb V₂O₅â€“WO₃/TiO₂ Catalyst in a Glass Furnace. Environmental Science & Technology, 2021, 55, 11368-11374.	10.0	18
43	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.	8.0	30
44	New Insights on Competitive Adsorption of NO/SO₂ on TiO₂ Anatase for Photocatalytic NO Oxidation. Environmental Science & Technology, 2021, 55, 9285-9292.	10.0	24
45	Boosting nitrous oxide direct decomposition performance based on samarium doping effects. Chemical Engineering Journal, 2021, 414, 128643.	12.7	30
46	Impact of NOx and NH3 addition on toluene oxidation over MnOx-CeO2 catalyst. Journal of Hazardous Materials, 2021, 416, 125939.	12.4	37
47	Balance of activation and ring-breaking for toluene oxidation over CuO-MnO bimetallic oxides. Journal of Hazardous Materials, 2021, 415, 125637.	12.4	49
48	Boosting the Catalytic Performance of CeO₂ in Toluene Combustion via the Ceâ€“Ce Homogeneous Interface. Environmental Science & Technology, 2021, 55, 12630-12639.	10.0	71
49	Alloying effect-induced electron polarization drives nitrate electroreduction to ammonia. Chem Catalysis, 2021, 1, 1088-1103.	6.1	80
50	Balancing redox and acidic properties for optimizing catalytic performance of SCR catalysts: A case study of nanopolyhedron CeO -supported WO. Journal of Environmental Chemical Engineering, 2021, 9, 105828.	6.7	7
51	A novel Î³-like MnO2 catalyst for ozone decomposition in high humidity conditions. Journal of Hazardous Materials, 2021, 420, 126641.	12.4	33
52	Effects of phosphorus modification on the catalytic properties and performance of CuCeZr mixed metal catalyst for simultaneous removal of CO and NOx. Chemical Engineering Journal, 2021, 423, 130228.	12.7	32
53	Vanadium Substitution as an Effective Way to Enhance the Redox Ability of Tungstophosphoric Acid and for Application of NH3-SCR. Catalysis Letters, 2021, 151, 2250.	2.6	2
54	Key intermediates from simultaneous removal of NO_x and chlorobenzene over a V₂O₅â€“WO₃/TiO₂ catalyst: a combined experimental and DFT study. Catalysis Science and Technology, 2021, 11, 7260-7267.	4.1	9

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55	Insight into the promotion mechanism of activated carbon on the monolithic honeycomb red mud catalyst for selective catalytic reduction of NOx. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	6.0	14
56	In Situ Modulation of Aâ€Site Vacancies in LaMnO_{3.15} Perovskite for Surface Lattice Oxygen Activation and Boosted Redox Reactions. Angewandte Chemie - International Edition, 2021, 60, 26747-26754.	13.8	85
57	Review of Sulfur Promotion Effects on Metal Oxide Catalysts for NO_x Emission Control. ACS Catalysis, 2021, 11, 13119-13139.	11.2	69
58	Temperature and Reaction Environment Influence the Nature of Platinum Species Supported on Ceria. ACS Catalysis, 2021, 11, 13041-13049.	11.2	13
59	Surface Reconstruction of a Mullite-Type Catalyst via Selective Dissolution for NO Oxidation. ACS Catalysis, 2021, 11, 14507-14520.	11.2	27
60	Effects of anaerobic SO2 treatment on nano-CeO2 of different morphologies for selective catalytic reduction of NOx with NH3. Chemical Engineering Journal, 2020, 382, 122910.	12.7	68
61	Low-temperature selective catalytic reduction of N2O by CO over Fe-ZSM-5 catalysts in the presence of O2. Journal of Hazardous Materials, 2020, 383, 121117.	12.4	46
62	A multiple-active-site Cu/SSZ-13 for NH3-SCO: Influence of Si/Al ratio on the catalytic performance. Catalysis Communications, 2020, 135, 105751.	3.3	40
63	Comparative study of Î±-, Î²-, Î³- and Î´-MnO2 on toluene oxidation: Oxygen vacancies and reaction intermediates. Applied Catalysis B: Environmental, 2020, 260, 118150.	20.2	400
64	A new insight into adsorption state and mechanism of adsorbates in porous materials. Journal of Hazardous Materials, 2020, 382, 121103.	12.4	38
65	Catalytic performance and reaction mechanism of NO oxidation over Co3O4 catalysts. Applied Catalysis B: Environmental, 2020, 267, 118371.	20.2	47
66	Promoting SO₂ Resistance of a CeO₂(5)-WO₃(9)/TiO₂ Catalyst for Hg⁰ Oxidation via Adjusting the Basicity and Acidity Sites Using a CuO Doping Method. Environmental Science & Technology, 2020, 54, 1889-1897.	10.0	42
67	The effect of additives and intermediates on vanadia-based catalyst for multi-pollutant control. Catalysis Science and Technology, 2020, 10, 323-326.	4.1	25
68	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.	12.7	50
69	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.	8.2	25
70	Nb-incorporated Fe (oxy)hydroxide derived from structural transformation for efficient oxygen evolution electrocatalysis. Journal of Materials Chemistry A, 2020, 8, 24598-24607.	10.3	18
71	Simultaneous Selective Catalytic Reduction of NO and N₂O by NH₃ over Fe-Zeolite Catalysts. Industrial & Engineering Chemistry Research, 2020, 59, 19500-19509.	3.7	17
72	Performance and Mechanism of Photocatalytic Toluene Degradation and Catalyst Regeneration by Thermal/UV Treatment. Environmental Science & Technology, 2020, 54, 14465-14473.	10.0	76

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73	Roles of Oxygen Vacancies in the Bulk and Surface of CeO₂ for Toluene Catalytic Combustion. Environmental Science & Technology, 2020, 54, 12684-12692.	10.0	231
74	B-Site modification of LaMn_{0.9}Co_{0.1}O₃ perovskite using a selective dissolution method in C₃H₆ oxidation. Catalysis Science and Technology, 2020, 10, 6464-6467.	4.1	6
75	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.	3.5	17
76	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.	3.1	20
77	Zeolitic Imidazolate Framework-67-Derived CeO₂@Co₃O₄ Coreâ€“Shell Microspheres with Enhanced Catalytic Activity toward Toluene Oxidation. Industrial & Engineering Chemistry Research, 2020, 59, 10328-10337.	3.7	28
78	The deactivation mechanism of toluene on MnOx-CeO2 SCR catalyst. Applied Catalysis B: Environmental, 2020, 277, 119257.	20.2	86
79	Reaction mechanism of propane oxidation over Co3O4 nanorods as rivals of platinum catalysts. Chemical Engineering Journal, 2020, 402, 125911.	12.7	45
80	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.	12.7	30
81	Enhanced Low-Temperature Activity of Toluene Oxidation over the Rod-like MnO₂/LaMnO₃ Perovskites with Alkaline Hydrothermal and Acid-Etching Treatment. Industrial & Engineering Chemistry Research, 2020, 59, 6556-6564.	3.7	42
82	Controllable redox-induced in-situ growth of MnO2 over Mn2O3 for toluene oxidation: Active heterostructure interfaces. Applied Catalysis B: Environmental, 2020, 278, 119279.	20.2	131
83	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.	11.2	64
84	Activity enhancement of sulphated Fe2O3 supported on TiO2â€“ZrO2 for the selective catalytic reduction of NO by NH3. Applied Surface Science, 2020, 528, 146695.	6.1	29
85	Severe deactivation and artificial enrichment of thallium on commercial SCR catalysts installed in cement kiln. Applied Catalysis B: Environmental, 2020, 277, 119194.	20.2	20
86	Promoter rather than Inhibitor: Phosphorus Incorporation Accelerates the Activity of V₂O₅â€“WO₃/TiO₂ Catalyst for Selective Catalytic Reduction of NO_x by NH₃. ACS Catalysis, 2020, 10, 2747-2753.	11.2	73
87	Sn-doped rutile TiO2 for vanadyl catalysts: Improvements on activity and stability in SCR reaction. Applied Catalysis B: Environmental, 2020, 269, 118797.	20.2	57
88	The poisoning mechanism of gaseous HCl on low-temperature SCR catalysts: MnO â^'CeO2 as an example. Applied Catalysis B: Environmental, 2020, 267, 118668.	20.2	82
89	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.	12.7	124
90	Distinctive Bimetallic Oxides for Enhanced Catalytic Toluene Combustion: Insights into the Tunable Fabrication of Mnâ^'Ce Hollow Structure. ChemCatChem, 2020, 12, 2872-2879.	3.7	27

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91	A facile and controllable in situ sulfation strategy for CuCeZr catalyst for NH3-SCR. Applied Catalysis A: General, 2020, 597, 117554.	4.3	33
92	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.	20.2	124
93	NH3-SCR performance of WO3 blanketed CeO2 with different morphology: Balance of surface reducibility and acidity. Catalysis Today, 2019, 332, 42-48.	4.4	79
94	Iron tungsten mixed composite as a robust oxygen evolution electrocatalyst. Chemical Communications, 2019, 55, 10944-10947.	4.1	28
95	Balance between Reducibility and N₂O Adsorption Capacity for the N₂O Decomposition: Cu_xCo_y Catalysts as an Example. Environmental Science & Technology, 2019, 53, 10379-10386.	10.0	36
96	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.	2.4	17
97	The synergistic mechanism of NO_x and chlorobenzene degradation in municipal solid waste incinerators. Catalysis Science and Technology, 2019, 9, 4286-4292.	4.1	39
98	Comparison of NH3-SCO performance over CuOx/H-SSZ-13 and CuOx/H-SAPO-34 catalysts. Applied Catalysis A: General, 2019, 585, 117119.	4.3	17
99	Enhanced low-temperature activity of LaMnO3 for toluene oxidation: The effect of treatment with an acidic KMnO4. Chemical Engineering Journal, 2019, 366, 92-99.	12.7	112
100	Vanadium-density-dependent thermal decomposition of NH₄HSO₄ on V₂O₅/TiO₂ SCR catalysts. Catalysis Science and Technology, 2019, 9, 3779-3787.	4.1	31
101	Insights over Titanium Modified FeMgOx Catalysts for Selective Catalytic Reduction of NOx with NH3: Influence of Precursors and Crystalline Structures. Catalysts, 2019, 9, 560.	3.5	9
102	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.	11.2	105
103	Hollow-Structural Ag/Co₃O₄ Nanocatalyst for CO Oxidation: Interfacial Synergistic Effect. ACS Applied Nano Materials, 2019, 2, 3480-3489.	5.0	60
104	Modified Silica Adsorbents for Toluene Adsorption under Dry and Humid Conditions: Impacts of Pore Size and Surface Chemistry. Langmuir, 2019, 35, 8927-8934.	3.5	24
105	Effect of Fe precursors on the catalytic activity of Fe/SAPO-34 catalysts for N2O decomposition. Catalysis Communications, 2019, 128, 105706.	3.3	16
106	Deactivation Mechanism of Multipoisons in Cement Furnace Flue Gas on Selective Catalytic Reduction Catalysts. Environmental Science & Technology, 2019, 53, 6937-6944.	10.0	75
107	Cu/SAPO-34 prepared by a facile ball milling method for enhanced catalytic performance in the selective catalytic reduction of NO_x with NH₃. Physical Chemistry Chemical Physics, 2019, 21, 22113-22120.	2.8	15
108	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.	2.8	39

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109	Drivers of improved PM _{2.5} air quality in China from 2013 to 2017. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24463-24469.	7.1	1,193
110	Investigation on removal of NO and Hg0 with different Cu species in Cu-SAPO-34 zeolites. Catalysis Communications, 2019, 119, 91-95.	3.3	17
111	Highly selective Î±-Mn2O3 catalyst for cGPF soot oxidation: Surface activated oxygen enhancement via selective dissolution. Chemical Engineering Journal, 2019, 364, 448-451.	12.7	35
112	The promotion effect of ceria on high vanadia loading NH3-SCR catalysts. Catalysis Communications, 2019, 121, 84-88.	3.3	16
113	Exploration of reaction mechanism between acid gases and elemental mercury on the CeO2â€“WO3/TiO2 catalyst via in situ DRIFTS. Fuel, 2019, 239, 162-172.	6.4	46
114	Selective Catalytic Reduction of NO_x with Ammonia over Copper Ion Exchanged SAPOâ€47 Zeolites in a Wide Temperature Range. ChemCatChem, 2018, 10, 2481-2487.	3.7	10
115	Enhancement of N2O decomposition performance by N2O pretreatment over Ce-Co-O catalyst. Chemical Engineering Journal, 2018, 347, 184-192.	12.7	61
116	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.	12.7	72
117	Carbon Dioxide Promotes Dehydrogenation in the Equimolar C 2 H 2 â€CO 2 Reaction to Synthesize Carbon Nanotubes. Small, 2018, 14, 1703482.	10.0	8
118	NO_xRemoval over V₂O₅/WO₃â€“TiO₂Prepared by a Grinding Method: Influence of the Precursor on Vanadium Dispersion. Industrial & Engineering Chemistry Research, 2018, 57, 150-157.	3.7	32
119	Improved Activity and H₂O Resistance of Cu-Modified MnO₂ Catalysts for NO Oxidation. Industrial & Engineering Chemistry Research, 2018, 57, 920-926.	3.7	26
120	Dechlorination of chlorobenzene on vanadium-based catalysts for low-temperature SCR. Chemical Communications, 2018, 54, 2032-2035.	4.1	63
121	Effect of pore size in mesoporous MnO2 prepared by KIT-6 aged at different temperatures on ethanol catalytic oxidation. Chinese Journal of Catalysis, 2018, 39, 630-638.	14.0	15
122	Excellent Activity and Selectivity of One-Pot Synthesized Cuâ€“SSZ-13 Catalyst in the Selective Catalytic Oxidation of Ammonia to Nitrogen. Environmental Science & Technology, 2018, 52, 4802-4808.	10.0	95
123	Shape dependence and sulfate promotion of CeO2 for selective catalytic reduction of NO with NH3. Applied Catalysis B: Environmental, 2018, 232, 246-259.	20.2	160
124	Ce-Sn binary oxide catalyst for the selective catalytic reduction of NOx by NH3. Applied Surface Science, 2018, 428, 526-533.	6.1	89
125	Studies on toluene adsorption performance and hydrophobic property in phenyl functionalized KIT-6. Chemical Engineering Journal, 2018, 334, 191-197.	12.7	56
126	Novel nanowire self-assembled hierarchical CeO2 microspheres for low temperature toluene catalytic combustion. Chemical Engineering Journal, 2018, 331, 425-434.	12.7	135

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127	Promotion Effect of Gaâ^'Co Spinel Derived from Layered Double Hydroxides for Toluene Oxidation. ChemCatChem, 2018, 10, 4838-4843.	3.7	30
128	The promoting effects of amorphous CePO 4 species on phosphorus-doped CeO 2 /TiO 2 catalysts for selective catalytic reduction of NO x by NH 3. Molecular Catalysis, 2018, 453, 47-54.	2.0	41
129	New Insight into SO₂ Poisoning and Regeneration of CeO₂â€“WO₃/TiO₂ and V₂O₅â€“WO₃/TiO₂ Catalysts for Low-Temperature NH₃â€“SCR. Environmental Science & Technology, 2018, 52, 7064-7071.	10.0	236
130	Facile surface improvement method for LaCoO₃ for toluene oxidation. Catalysis Science and Technology, 2018, 8, 3166-3173.	4.1	111
131	Different exposed facets VO /CeO2 catalysts for the selective catalytic reduction of NO with NH3. Chemical Engineering Journal, 2018, 349, 184-191.	12.7	86
132	Engineering surface functional groups on mesoporous silica: towards a humidity-resistant hydrophobic adsorbent. Journal of Materials Chemistry A, 2018, 6, 13769-13777.	10.3	39
133	MnO -CeO2 catalysts for effective NO reduction in the presence of chlorobenzene. Catalysis Communications, 2018, 117, 1-4.	3.3	49
134	Synergistic Promotion Effect between NO_x and Chlorobenzene Removal on MnO_xâ€“CeO₂ Catalyst. ACS Applied Materials & Interfaces, 2018, 10, 30426-30432.	8.0	74
135	Fe₂O₃@SiTi coreâ€“shell catalyst for the selective catalytic reduction of NO_x with NH₃: activity improvement and HCl tolerance. Catalysis Science and Technology, 2018, 8, 3313-3320.	4.1	36
136	Sodium-promoted Ag/CeO2 nanospheres for catalytic oxidation of formaldehyde. Chemical Engineering Journal, 2018, 350, 419-428.	12.7	84
137	Performance of Modified La_xSr_{1â€“x}MnO₃ Perovskite Catalysts for NH₃ Oxidation: TPD, DFT, and Kinetic Studies. Environmental Science & Technology, 2018, 52, 7443-7449.	10.0	67
138	Extraordinary Deactivation Offset Effect of Arsenic and Calcium on CeO₂â€“WO₃ SCR Catalysts. Environmental Science & Technology, 2018, 52, 8578-8587.	10.0	73
139	Templateâ€free Scalable Synthesis of Floweâ€like Co_{3â€“x}Mn_xO₄ Spinel Catalysts for Toluene Oxidation. ChemCatChem, 2018, 10, 3429-3434.	3.7	125
140	Identification of sulfate species and their influence on SCR performance of Cu/CHA catalyst. Catalysis Science and Technology, 2017, 7, 1523-1528.	4.1	50
141	High calcium resistance of CeO 2 â€“WO 3 SCR catalysts: Structure investigation and deactivation analysis. Chemical Engineering Journal, 2017, 317, 70-79.	12.7	82
142	Effects of seed particles Al2O3, Al2(SO4)3 and H2SO4 on secondary organic aerosol. Frontiers of Environmental Science and Engineering, 2017, 11, 1.	6.0	3
143	The poisoning effects of phosphorus on CeO2-MoO3/TiO2 DeNO catalysts: NH3-SCR activity and the formation of N2O. Molecular Catalysis, 2017, 439, 15-24.	2.0	27
144	Bridging the reaction route of toluene total oxidation and the structure of ordered mesoporous Co 3 O 4 : The roles of surface sodium and adsorbed oxygen. Catalysis Today, 2017, 297, 173-181.	4.4	54

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145	Design strategies of surface basicity for NO oxidation over a novel Snâ€“Coâ€“O catalyst in the presence of H2O. Catalysis Science and Technology, 2017, 7, 2057-2064.	4.1	14
146	Highly active and stable interface derived from Pt supported on Ni/Fe layered double oxides for HCHO oxidation. Catalysis Science and Technology, 2017, 7, 1573-1580.	4.1	69
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