

Chi He

List of Publications by Year in descending order

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199
papers

11,471
citations

22153

59
h-index

38395

95
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202
all docs

202
docs citations

202
times ranked

8061
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advancement and future challenges of photothermal catalysis for VOCs elimination: From catalyst design to applications. <i>Green Energy and Environment</i> , 2023, 8, 654-672.	8.7	82
2	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
3	Mutual inhibition mechanism of simultaneous catalytic removal of NO and toluene on Mn-based catalysts. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1189-1200.	9.4	24
4	Dodecylamine coordinated tri-arm CdS nanorod wrapped in intermittent ZnS shell for greatly improved photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2022, 429, 132382.	12.7	94
5	Knack behind the high performance CdS/ZnS-NiS nanocomposites: Optimizing synergistic effect between cocatalyst and heterostructure for boosting hydrogen evolution. <i>Chemical Engineering Journal</i> , 2022, 431, 133446.	12.7	90
6	Achieving acetone efficient deep decomposition by strengthening reactants adsorption and activation over difunctional Au(OH)Kx/hierarchical MFI catalyst. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 504-515.	9.4	0
7	Taming structure and modulating carbon dioxide (CO ₂) adsorption isosteric heat of nickel-based metal organic framework (MOF-74(Ni)) for remarkable CO ₂ capture. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 132-145.	9.4	44
8	Inserting Cr ₂ O ₃ dramatically promotes RuO ₂ /TiO ₂ catalyst for low-temperature 1,2-dichloroethane deep destruction: Catalytic performance and synergy mechanism. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 121002.	20.2	37
9	Intra-crystalline mesoporous zeolite encapsulation-derived thermally robust metal nanocatalyst in deep oxidation of light alkanes. <i>Nature Communications</i> , 2022, 13, 295.	12.8	54
10	Modulating the Electronic Metal-Support Interactions in Single-Atom Pt ₁ -CuO Catalyst for Boosting Acetone Oxidation. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
11	Biotemplate Fabrication of Hollow Tubular Ce _x Sr _{1-x} TiO ₃ with Regulable Surface Acidity and Oxygen Mobility for Efficient Destruction of Chlorobenzene: Intrinsic Synergy Effect and Reaction Mechanism. <i>Environmental Science & Technology</i> , 2022, 56, 5796-5807.	10.0	45
12	Modulating the Electronic Metal-Support Interactions in Single-Atom Pt ₁ -CuO Catalyst for Boosting Acetone Oxidation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	46
13	Hierarchical Cu-Mn/ZSM-5 with boosted activity and selectivity for n-butylamine destruction: Synergy of pore structure and surface acidity. <i>Applied Catalysis A: General</i> , 2022, 636, 118579.	4.3	7
14	Engineering Co _x Zr _{1-x} /Ni foam monolithic catalysts for ethyl acetate efficient destruction. <i>Fuel</i> , 2022, 317, 123574.	6.4	11
15	Realizing Toluene Deep Mineralization by Coupling Nonthermal Plasma and Nitrogen-Enriched Hollow Hybrid Carbon. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 990-1001.	8.0	10
16	Rationally engineered ReO ₃ -CuSO ₄ /TiO ₂ catalyst with superior NH ₃ -SCO efficiency and remarkably boosted SO ₂ tolerance: Synergy of acid sites and surface adsorbed oxygen. <i>Chemical Engineering Journal</i> , 2022, 442, 136356.	12.7	26
17	Engineering Ru/MnCo ₃ O ₈ for 1,2-Dichloroethane Benign Destruction by Strengthening C-Cl Cleavage and Chlorine Desorption: Decisive Role of H ₂ O and Reaction Mechanism. <i>ACS Catalysis</i> , 2022, 12, 8776-8792.	11.2	23
18	Dramatically promoted toluene destruction over Mn@Na-Al ₂ O ₃ @Al monolithic catalysts by Ce incorporation: Oxygen vacancy construction and reaction mechanism. <i>Fuel</i> , 2022, 326, 125051.	6.4	47

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19	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
20	Pd-based catalysts promoted by hierarchical porous Al ₂ O ₃ and ZnO microsphere supports/coatings for ethyl acetate highly active and stable destruction. <i>Journal of Hazardous Materials</i> , 2021, 401, 123281.	12.4	40
21	In situ fabrication of robust three dimensional ordered macroporous γ -MnO ₂ /LaMnO ₃ catalyst for chlorobenzene efficient destruction. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119565.	20.2	59
22	Crystal facet engineering induced robust and sinter-resistant Au/ γ -MnO ₂ catalyst for efficient oxidation of propane: indispensable role of oxygen vacancies and Au ⁺ species. <i>Catalysis Science and Technology</i> , 2021, 11, 1089-1097.	4.1	19
23	Efficient propane low-temperature destruction by Co ₃ O ₄ crystal facets engineering: Unveiling the decisive role of lattice and oxygen defects and surface acid-base pairs. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119657.	20.2	149
24	Au nanodots@thiol-Uio66@ZnIn ₂ S ₄ nanosheets with significantly enhanced visible-light photocatalytic H ₂ evolution: The effect of different Au positions on the transfer of electron-hole pairs. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119550.	20.2	170
25	Enabling superior hybrid capacitive deionization performance in NASICON-structured Na ₃ MnTi(PO ₄) ₃ /C by incorporating a two-species redox reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6898-6904.	10.3	42
26	Ascorbic acid functionalized CdS@ZnO core-shell nanorods with hydrogen spillover for greatly enhanced photocatalytic H ₂ evolution and outstanding photostability. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9735-9744.	10.3	77
27	Novel CuO@TiO ₂ Core-Shell Nanostructure Catalyst for Selective Catalytic Reduction of NO _x with NH ₃ . <i>Catalysis Letters</i> , 2021, 151, 2502-2512.	2.6	16
28	FeVO ₄ -supported Mn-Ce oxides for the low-temperature selective catalytic reduction of NO _x by NH ₃ . <i>Catalysis Science and Technology</i> , 2021, 11, 6770-6781.	4.1	16
29	Efficient and stable low-temperature CO oxidation over Pt/In ₂ SnO ₂ composite triggered by abundant oxygen vacancies and adsorption sites. <i>Catalysis Science and Technology</i> , 2021, 11, 3762-3774.	4.1	6
30	Thulium modified MnOx/TiO ₂ catalyst for the low-temperature selective catalytic reduction of NO with ammonia. <i>Journal of Cleaner Production</i> , 2021, 290, 125858.	9.3	44
31	Influence of sulfamethazine (SMT) on the adsorption of antimony by the black soil: Implication for the complexation between SMT and antimony. <i>Science of the Total Environment</i> , 2021, 760, 143318.	8.0	6
32	Plasma-activated water production and its application in agriculture. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 4891-4899.	3.5	55
33	Efficient catalytic degradation of toluene at a readily prepared Mn-Cu catalyst: Catalytic performance and reaction pathway. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 396-408.	9.4	51
34	Efficient degradation of amoxicillin by scaled-up electro-Fenton process: Attenuation of toxicity and decomposition mechanism. <i>Electrochimica Acta</i> , 2021, 381, 138274.	5.2	24
35	Insight into the catalytic performance and reaction routes for toluene total oxidation over facilely prepared Mn-Cu bimetallic oxide catalysts. <i>Applied Surface Science</i> , 2021, 550, 149179.	6.1	63
36	Hierarchically Hollow MnO ₂ @CeO ₂ Heterostructures for NO Oxidation: Remarkably Promoted Activity and SO ₂ Tolerance. <i>ACS Catalysis</i> , 2021, 11, 10988-10996.	11.2	36

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37	Hydrogen spillover effect induced by ascorbic acid in CdS/NiO core-shell p-n heterojunction for significantly enhanced photocatalytic H ₂ evolution. <i>Journal of Colloid and Interface Science</i> , 2021, 596, 215-224.	9.4	65
38	Achieving toluene efficient mineralization over K ⁺ /MnO ₂ via oxygen vacancy modulation. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 238-249.	9.4	36
39	Birnessite-type short rod-like MnO ₂ achieving propane low-temperature destruction: Benign synthesis strategy and reaction mechanism determination. <i>Applied Surface Science</i> , 2021, 559, 149905.	6.1	24
40	Unraveling the effects of potassium incorporation routes and positions on toluene oxidation over MnO ₂ nanorods: Based on experimental and density functional theory (DFT) studies. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 324-338.	9.4	87
41	Selective electrochemical H ₂ O ₂ generation on the graphene aerogel for efficient electro-Fenton degradation of ciprofloxacin. <i>Separation and Purification Technology</i> , 2021, 272, 118884.	7.9	38
42	Fabricating M/Al ₂ O ₃ /cordierite (M=Cr, Mn, Fe, Co, Ni and Cu) monolithic catalysts for ethyl acetate efficient oxidation: Unveiling the role of water vapor and reaction mechanism. <i>Fuel</i> , 2021, 303, 121244.	6.4	37
43	Three-dimensional hierarchical Na ₃ Fe ₂ (PO ₄) ₃ /C with superior and fast sodium uptake for efficient hybrid capacitive deionization. <i>Desalination</i> , 2021, 520, 115341.	8.2	41
44	Chlorine-Resistant Hollow Nanosphere-Like VO _x /CeO ₂ Catalysts for Highly Selective and Stable Destruction of 1,2-Dichloroethane: Byproduct Inhibition and Reaction Mechanism. <i>Processes</i> , 2021, 9, 119.	2.8	5
45	Spherical-like Pd/SiO ₂ catalysts for n-butylamine efficient combustion: Effect of support property and preparation method. <i>Catalysis Today</i> , 2020, 339, 181-191.	4.4	28
46	Remarkable promotion effect of lauric acid on Mn-MIL-100 for non-thermal plasma-catalytic decomposition of toluene. <i>Applied Surface Science</i> , 2020, 503, 144290.	6.1	38
47	Non-thermal plasma coupled with MOF-74 derived Mn-Co-Ni-O porous composite oxide for toluene efficient degradation. <i>Journal of Hazardous Materials</i> , 2020, 383, 121143.	12.4	88
48	MgFe ₂ O ₄ -biochar based lanthanum alginate beads for advanced phosphate removal. <i>Chemical Engineering Journal</i> , 2020, 387, 123305.	12.7	88
49	Catalytic total oxidation of toluene over carbon-supported Cu Co oxide catalysts derived from Cu-based metal organic framework. <i>Powder Technology</i> , 2020, 363, 95-106.	4.2	41
50	Adsorption of Pb ²⁺ and Cu ²⁺ ions on the CS ₂ -modified alkaline lignin. <i>Chemical Engineering Journal</i> , 2020, 391, 123581.	12.7	39
51	Yolk-shell-like mesoporous CoCrO _x with superior activity and chlorine resistance in dichloromethane destruction. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118493.	20.2	90
52	Selective catalytic reduction of NO _x with NH ₃ over TiO ₂ supported metal sulfate catalysts prepared via a sol-gel protocol. <i>New Journal of Chemistry</i> , 2020, 44, 13598-13605.	2.8	19
53	Taming NO oxidation efficiency by MnO ₂ morphology regulation. <i>Catalysis Science and Technology</i> , 2020, 10, 5996-6005.	4.1	16
54	In situ synthesis of ultrafine metallic MoO ₂ /carbon nitride nanosheets for efficient photocatalytic hydrogen generation: a prominent cocatalytic effect. <i>Catalysis Science and Technology</i> , 2020, 10, 4053-4060.	4.1	9

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55	Stabilizing platinum atoms on CeO ₂ oxygen vacancies by metal-support interaction induced interface distortion: Mechanism and application. Applied Catalysis B: Environmental, 2020, 278, 119304.	20.2	120
56	Insights into the adsorption of Pb(II) over trimercapto-s-triazine trisodium salt-modified lignin in a wide pH range. Chemical Engineering Journal Advances, 2020, 1, 100002.	5.2	8
57	Novel all-solid-state Z-scheme SnO ₂ /Pt/In ₂ O ₃ photocatalyst with boosted photocatalytic performance on water splitting and 2,4-dichlorophenol degradation under visible light. Chemical Engineering Journal, 2020, 390, 124518.	12.7	98
58	Revealing the unexpected promotion effect of diverse potassium precursors on γ -MnO ₂ for the catalytic destruction of toluene. Catalysis Science and Technology, 2020, 10, 2100-2110.	4.1	35
59	Effects of calcination temperature on physicochemical property and activity of CuSO ₄ /TiO ₂ ammonia-selective catalytic reduction catalysts. Journal of Environmental Sciences, 2020, 91, 237-245.	6.1	40
60	Effect of pH on the adsorption of arsenic(V) and antimony(V) by the black soil in three systems: Performance and mechanism. Ecotoxicology and Environmental Safety, 2020, 191, 110145.	6.0	46
61	A novel solar photo-Fenton system with self-synthesizing H ₂ O ₂ : Enhanced photo-induced catalytic performances and mechanism insights. Applied Surface Science, 2020, 512, 145650.	6.1	51
62	Hierarchical zeolite enveloping Pd-CeO ₂ nanowires: An efficient adsorption/catalysis bifunctional catalyst for low temperature propane total degradation. Chemical Engineering Journal, 2020, 393, 124717.	12.7	62
63	The insight into the role of Al ₂ O ₃ in promoting the SO ₂ tolerance of MnO _x for low-temperature selective catalytic reduction of NO _x with NH ₃ . Chemical Engineering Journal, 2020, 398, 125572.	12.7	65
64	Insight Into the Role of Ceria on OMS-2 and OL Materials for Catalytic Degradation of Toluene. Frontiers in Environmental Chemistry, 2020, 1, .	1.6	2
65	In situ Growth Synthesis of CuO@Cu-MOFs Core-shell Materials as Novel Low-temperature NH ₃ -SCR Catalysts. ChemCatChem, 2019, 11, 979-984.	3.7	41
66	Insight into the boosted catalytic performance and chlorine resistance of nanosphere-like meso-macroporous CrO _x /MnCo ₃ O _x for 1,2-dichloroethane destruction. Applied Catalysis B: Environmental, 2019, 259, 118018.	20.2	79
67	Hydrotalcite-Derived Cu-Mg-AlO Oxides for Catalytic Degradation of <i>n</i> -Butylamine with Low Concentration NO and Pollutant-Destruction Mechanism. Industrial & Engineering Chemistry Research, 2019, 58, 9362-9371.	3.7	16
68	In-situ phosphating to synthesize Ni ₂ P decorated NiO/g-C ₃ N ₄ p-n junction for enhanced photocatalytic hydrogen production. Chemical Engineering Journal, 2019, 378, 122161.	12.7	133
69	Comprehensive understanding the promoting effect of Dy-doping on MnFeO _x nanowires for the low-temperature NH ₃ -SCR of NO _x : An experimental and theoretical study. Journal of Catalysis, 2019, 380, 55-67.	6.2	85
70	The synergistic effects between Ce and Cu in Cu _y Ce _{1-y} W ₅ O _x catalysts for enhanced NH ₃ -SCR of NO _x and SO ₂ tolerance. Catalysis Science and Technology, 2019, 9, 718-730.	4.1	47
71	Trap-level-tunable Se doped CdS quantum dots with excellent hydrogen evolution performance without co-catalyst. Chemical Engineering Journal, 2019, 364, 11-19.	12.7	110
72	SO ₂ promoted in situ recovery of thermally deactivated Fe ₂ (SO ₄) ₃ /TiO ₂ NH ₃ -SCR catalysts: From experimental work to theoretical study. Chemical Engineering Journal, 2019, 361, 820-829.	12.7	53

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73	Microwave-Assisted Rapid Synthesis of Well-Shaped MOF-74 (Ni) for CO ₂ Efficient Capture. <i>Inorganic Chemistry</i> , 2019, 58, 2717-2728.	4.0	133
74	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
75	Investigating the binding properties between antimony(V) and dissolved organic matter (DOM) under different pH conditions during the soil sorption process using fluorescence and FTIR spectroscopy. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 34-42.	6.0	52
76	One-step vulcanization of Cd(OH)Cl nanorods to synthesize CdS/ZnS/PdS nanotubes for highly efficient photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15278-15287.	10.3	73
77	Argon plasma effects on maize: pesticide degradation and quality changes. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 5491-5498.	3.5	21
78	Dry Bio-Decontamination Process in Reduced-Pressure O ₂ Plasma. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1933.	2.5	2
79	Revealing the unexpected promotion effect of EuO on Pt/CeO ₂ catalysts for catalytic combustion of toluene. <i>Chinese Journal of Catalysis</i> , 2019, 40, 543-552.	14.0	32
80	In-Depth Understanding of the Morphology Effect of γ -Fe ₂ O ₃ on Catalytic Ethane Destruction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11369-11383.	8.0	91
81	In Situ Regeneration and Deactivation of Co-Zn/H-Beta Catalysts in Catalytic Reduction of NO _x with Propane. <i>Catalysts</i> , 2019, 9, 23.	3.5	4
82	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
83	Carbon nanosheet facilitated charge separation and transfer between molybdenum carbide and graphitic carbon nitride toward efficient photocatalytic H ₂ production. <i>Applied Surface Science</i> , 2019, 473, 91-101.	6.1	59
84	Charge-redistribution-induced new active sites on (001) facets of γ -Mn ₂ O ₃ for significantly enhanced selective catalytic reduction of NO by NH ₃ . <i>Journal of Catalysis</i> , 2019, 370, 30-37.	6.2	54
85	Rational design of CrO _x /LaSrMnCoO ₆ composite catalysts with superior chlorine tolerance and stability for 1,2-dichloroethane deep destruction. <i>Applied Catalysis A: General</i> , 2019, 570, 62-72.	4.3	37
86	Polyethyleneimine and carbon disulfide co-modified alkaline lignin for removal of Pb ²⁺ ions from water. <i>Chemical Engineering Journal</i> , 2019, 359, 265-274.	12.7	74
87	Development of rare earth element doped magnetic biochars with enhanced phosphate adsorption performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 561, 236-243.	4.7	94
88	Au Nanoparticle and CdS Quantum Dot Codecoration of In ₂ O ₃ Nanosheets for Improved H ₂ Evolution Resulting from Efficient Light Harvesting and Charge Transfer. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 547-557.	6.7	44
89	Au decorated hollow ZnO@ZnS heterostructure for enhanced photocatalytic hydrogen evolution: The insight into the roles of hollow channel and Au nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 748-757.	20.2	144
90	Hollow mesoporous silica materials with well-ordered cubic Ia3d mesostructured shell for toluene adsorption. <i>Journal of Porous Materials</i> , 2019, 26, 59-68.	2.6	2

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91	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. ACS Catalysis, 2018, 8, 4213-4229.	11.2	90
92	Facile Synthesis of Highly Efficient Amorphous Mn ₂ O ₃ Catalysts: Formation Mechanism and Structure Changes during Application in CO Oxidation. Chemistry - A European Journal, 2018, 24, 8822-8832.	3.3	106
93	Pyrolysis and combustion characteristics of corncob hydrolysis residue. Journal of Analytical and Applied Pyrolysis, 2018, 130, 72-78.	5.5	19
94	High and stable catalytic activity of Ag/Fe ₂ O ₃ catalysts derived from MOFs for CO oxidation. Molecular Catalysis, 2018, 447, 80-89.	2.0	146
95	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. Applied Catalysis A: General, 2018, 553, 1-14.	4.3	87
96	Synergistic effects and mechanism of a non-thermal plasma catalysis system in volatile organic compound removal: a review. Catalysis Science and Technology, 2018, 8, 936-954.	4.1	146
97	Efficient capture of CO ₂ over ordered micro-mesoporous hybrid carbon nanosphere. Applied Surface Science, 2018, 439, 113-121.	6.1	64
98	The influence of desilication on high-silica MFI and its catalytic performance for N ₂ O decomposition. Applied Surface Science, 2018, 441, 474-481.	6.1	16
99	The remarkable promotional effect of SO ₂ on Pb-poisoned V ₂ O ₅ -WO ₃ /TiO ₂ catalysts: An in-depth experimental and theoretical study. Chemical Engineering Journal, 2018, 338, 191-201.	12.7	49
100	Ni _y Co _{1-y} Mn ₂ O _x microspheres for the selective catalytic reduction of NO _x with NH ₃ : The synergetic effects between Ni and Co for improving low-temperature catalytic performance. Applied Catalysis A: General, 2018, 560, 1-11.	4.3	29
101	Low-Temperature Pyrolysis-Catalysis Coupled System for Efficient Tetrachlorobenzene Removal: Condition Optimization and Decomposition Mechanism. Energy & Fuels, 2018, 32, 5509-5517.	5.1	2
102	g-C ₃ N ₄ /UiO-66 nanohybrids with enhanced photocatalytic activities for the oxidation of dye under visible light irradiation. Materials Research Bulletin, 2018, 99, 349-358.	5.2	299
103	Microwave-assisted preparation of nitrogen-doped biochars by ammonium acetate activation for adsorption of acid red 18. Applied Surface Science, 2018, 433, 222-231.	6.1	116
104	Microwave assisted modification of activated carbons by organic acid ammoniums activation for enhanced adsorption of acid red 18. Powder Technology, 2018, 323, 230-237.	4.2	49
105	Synthesis of octahedral like Cu-BTC derivatives derived from MOF calcined under different atmosphere for application in CO oxidation. Journal of Solid State Chemistry, 2018, 258, 582-587.	2.9	124
106	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. Applied Catalysis B: Environmental, 2018, 226, 220-233.	20.2	67
107	Rare-earth element doping-promoted toluene low-temperature combustion over mesostructured CuMgO _x (M = Y, Eu, Ho, and Sm) catalysts: the indispensable role of <i>in situ</i> generated oxygen vacancies. Catalysis Science and Technology, 2018, 8, 5933-5942.	4.1	30
108	Gd-modified MnO _x for the selective catalytic reduction of NO by NH ₃ : The promoting effect of Gd on the catalytic performance and sulfur resistance. Chemical Engineering Journal, 2018, 348, 820-830.	12.7	170

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109	Highly active SBA-15-confined Pd catalyst with short rod-like micro-mesoporous hybrid nanostructure for n-butylamine low-temperature destruction. <i>Molecular Catalysis</i> , 2018, 455, 192-203.	2.0	45
110	Efficient spatial charge separation and transfer in ultrathin g-C ₃ N ₄ nanosheets modified with Cu ₂ MoS ₄ as a noble metal-free co-catalyst for superior visible light-driven photocatalytic water splitting. <i>Catalysis Science and Technology</i> , 2018, 8, 3883-3893.	4.1	42
111	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
112	Mn ²⁺ /Co Mixed Oxide Nanosheets Vertically Anchored on H ₂ Ti ₃ O ₇ Nanowires: Full Exposure of Active Components Results in Significantly Enhanced Catalytic Performance. <i>ChemCatChem</i> , 2018, 10, 2833-2844.	3.7	39
113	Template-free synthesis of hierarchical porous carbon with controlled morphology for CO ₂ efficient capture. <i>Chemical Engineering Journal</i> , 2018, 353, 584-594.	12.7	97
114	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
115	Gas-phase total oxidation of nitric oxide using hydrogen peroxide vapor over Pt/TiO ₂ . <i>Applied Surface Science</i> , 2018, 457, 821-830.	6.1	31
116	"Fast SCR" reaction over Sm-modified MnO _x -TiO ₂ for promoting reduction of NO _x with NH ₃ . <i>Applied Catalysis A: General</i> , 2018, 564, 102-112.	4.3	130
117	Enhanced antimonate (Sb(V)) removal from aqueous solution by La-doped magnetic biochars. <i>Chemical Engineering Journal</i> , 2018, 354, 623-632.	12.7	117
118	Temporal and spatial impact of <i>Spartina alterniflora</i> invasion on methanogens community in Chongming Island, China. <i>Journal of Microbiology</i> , 2018, 56, 507-515.	2.8	8
119	Sorption of Sulfadiazine, Norfloxacin, Metronidazole, and Tetracycline by Granular Activated Carbon: Kinetics, Mechanisms, and Isotherms. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	47
120	Hollow MnO _x -CeO ₂ mixed oxides as highly efficient catalysts in NO oxidation. <i>Chemical Engineering Journal</i> , 2017, 322, 46-55.	12.7	149
121	Sphere-Shaped Mn ₃ O ₄ Catalyst with Remarkable Low-Temperature Activity for Methyl Ethyl Ketone Combustion. <i>Environmental Science & Technology</i> , 2017, 51, 6288-6297.	10.0	165
122	Facile synthesis of CuSO ₄ /TiO ₂ catalysts with superior activity and SO ₂ tolerance for NH ₃ -SCR: physicochemical properties and reaction mechanism. <i>Catalysis Science and Technology</i> , 2017, 7, 1590-1601.	4.1	95
123	Sulfate reducer and sulfur oxidizer respond differentially to the invasion of <i>Spartina alterniflora</i> in estuarine salt marsh of China. <i>Ecological Engineering</i> , 2017, 99, 182-190.	3.6	37
124	Regeneration and sulfur poisoning behavior of In/H-BEA catalyst for NO _x reduction by CH ₄ . <i>Applied Surface Science</i> , 2017, 401, 120-126.	6.1	37
125	Facile regeneration and modification of industrial used chelating resin for fuel oil desulfurization. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 165-176.	3.5	0
126	Isolation of a 2-picolinic acid-assimilating bacterium and its proposed degradation pathway. <i>Bioresource Technology</i> , 2017, 245, 681-688.	9.6	10

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127	Phenolic resin-derived activated carbon-supported divalent metal as efficient adsorbents (M=Cu, M=Zn,) Tj ETQq1 1 0.784314 rgBT / 782-794.	5.3	10
128	Postsynthesis of mesoporous ZSM-5 zeolites with TPAOH-assisted desilication and determination of activity performance in N ₂ O decomposition. Journal of Porous Materials, 2017, 24, 759-767.	2.6	8
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