Fei Gao

List of Publications by Year
in descending order

289 papers	17,057 citations	9756 73 h-index	22764 112 g-index
290 all docs	290 docs citations	290 times ranked	11867 citing authors

#	Article	IF	Citations
1	Influence of cerium precursors on the structure and reducibility of mesoporous CuO-CeO2 catalysts for CO oxidation. Applied Catalysis B: Environmental, 2012, 119-120, 308-320.	10.8	348
2	Tailoring Cu valence and oxygen vacancy in Cu/TiO2 catalysts for enhanced CO2 photoreduction efficiency. Applied Catalysis B: Environmental, 2013, 134-135, 349-358.	10.8	310
3	Getting insight into the influence of SO2 on TiO2/CeO2 for the selective catalytic reduction of NO by NH3. Applied Catalysis B: Environmental, 2015, 165, 589-598.	10.8	307
4	Integrated adsorption and photocatalytic degradation of volatile organic compounds (VOCs) using carbon-based nanocomposites: A critical review. Chemosphere, 2019, 218, 845-859.	4.2	299
5	Improved activity and significant SO2 tolerance of samarium modified CeO2-TiO2 catalyst for NO selective catalytic reduction with NH3. Applied Catalysis B: Environmental, 2019, 244, 671-683.	10.8	294
6	Ceria-based catalysts for low-temperature selective catalytic reduction of NO with NH₃. Catalysis Science and Technology, 2016, 6, 1248-1264.	2.1	293
7	Morphology and Crystalâ€Plane Effects of Nanoscale Ceria on the Activity of CuO/CeO₂ for NO Reduction by CO. ChemCatChem, 2011, 3, 978-989.	1.8	255
8	Insights into the Sm/Zr co-doping effects on N2 selectivity and SO2 resistance of a MnOx-TiO2 catalyst for the NH3-SCR reaction. Chemical Engineering Journal, 2018, 347, 27-40.	6.6	233
9	Synergistic effects of Cu2O-decorated CeO2 on photocatalytic CO2 reduction: Surface Lewis acid/base and oxygen defect. Applied Catalysis B: Environmental, 2019, 254, 580-586.	10.8	226
10	Correlation between the physicochemical properties and catalytic performances of CexSn1â€"xO2 mixed oxides for NO reduction by CO. Applied Catalysis B: Environmental, 2014, 144, 152-165.	10.8	224
11	Investigation of the structure, acidity, and catalytic performance of CuO/Ti0.95Ce0.05O2 catalyst for the selective catalytic reduction of NO by NH3 at low temperature. Applied Catalysis B: Environmental, 2014, 150-151, 315-329.	10.8	221
12	Enhanced activity of visible-light photocatalytic H 2 evolution of sulfur-doped g-C 3 N 4 photocatalyst via nanoparticle metal Ni as cocatalyst. Applied Catalysis B: Environmental, 2018, 235, 66-74.	10.8	218
13	Monodispersed Mesoporous Silica Nanoparticles with Very Large Pores for Enhanced Adsorption and Release of DNA. Journal of Physical Chemistry B, 2009, 113, 1796-1804.	1.2	192
14	Universal Surfactantâ€Free Strategy for Selfâ€Standing 3D Tremellaâ€Like Pdâ€"M (M = Ag, Pb, and Au) Nanosheets for Superior Alcohols Electrocatalysis. Advanced Functional Materials, 2020, 30, 2000255.	7.8	191
15	Effect of metal ions doping (M = Ti4+, Sn4+) on the catalytic performance of MnO /CeO2 catalyst for low temperature selective catalytic reduction of NO with NH3. Applied Catalysis A: General, 2015, 495, 206-216.	2.2	189
16	Confined small-sized cobalt catalysts stimulate carbon-chain growth reversely by modifying ASF law of Fischerâ€"Tropsch synthesis. Nature Communications, 2018, 9, 3250.	5.8	186
17	Correlation of structural characteristics with catalytic performance of CuO/CexZr1â^'xO2 catalysts for NO reduction by CO. Journal of Catalysis, 2010, 275, 45-60.	3.1	185
18	Advanced MnO_{<i>x</i>}/TiO₂ Catalyst with Preferentially Exposed Anatase {001} Facet for Low-Temperature SCR of NO. ACS Catalysis, 2016, 6, 5807-5815.	5.5	181

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19	Crystal-plane-dependent metal oxide-support interaction in CeO2/g-C3N4 for photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2018, 238, 111-118.	10.8	178
20	Investigation of the physicochemical properties and catalytic activities of Ce_{0.67}M_{0.33}O₂(M = Zr⁴⁺, Ti⁴⁺,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 688-698.	2.1	165
21	Selective catalytic reduction of NO x by NH 3 over CeO 2 supported on TiO 2 : Comparison of anatase, brookite, and rutile. Applied Catalysis B: Environmental, 2017, 208, 82-93.	10.8	165
22	Enhanced visible light photocatalytic hydrogen evolution via cubic CeO2 hybridized g-C3N4 composite. Applied Catalysis B: Environmental, 2017, 218, 51-59.	10.8	165
23	Engineering the Cu2Oâ€“reduced graphene oxide interface to enhance photocatalytic degradation of organic pollutants under visible light. Applied Catalysis B: Environmental, 2016, 181, 495-503.	10.8	163
24	Ultra-low loading of copper modified TiO2/CeO2 catalysts for low-temperature selective catalytic reduction of NO by NH3. Applied Catalysis B: Environmental, 2017, 207, 366-375.	10.8	156
25	Enhancing the deNO performance of MnO /CeO2-ZrO2 nanorod catalyst for low-temperature NH3-SCR by TiO2 modification. Chemical Engineering Journal, 2019, 369, 46-56.	6.6	153
26	<i>In Situ</i> Loading Transition Metal Oxide Clusters on TiO₂ Nanosheets As Co-catalysts for Exceptional High Photoactivity. ACS Catalysis, 2013, 3, 2052-2061.	5.5	151
27	NO reduction by CO over CuOâ€“CeO2 catalysts: effect of preparation methods. Catalysis Science and Technology, 2013, 3, 1355.	2.1	148
28	Facile ball-milling synthesis of CeO2/g-C3N4 Z-scheme heterojunction for synergistic adsorption and photodegradation of methylene blue: Characteristics, kinetics, models, and mechanisms. Chemical Engineering Journal, 2021, 420, 127719.	6.6	148
29	Chemically activated hydrochar as an effective adsorbent for volatile organic compounds (VOCs). Chemosphere, 2019, 218, 680-686.	4.2	145
30	Interfacial coupling effects in g-C3N4/SrTiO3 nanocomposites with enhanced H2 evolution under visible light irradiation. Applied Catalysis B: Environmental, 2019, 247, 1-9.	10.8	139
31	A comparative study of different doped metal cations on the reduction, adsorption and activity of CuO/Ce0.67M0.33O2 (M=Zr4+, Sn4+, Ti4+) catalysts for NO+CO reaction. Applied Catalysis B: Environmental, 2013, 130-131, 293-304.	10.8	137
32	Universal strategies to multi-dimensional noble-metal-based catalysts for electrocatalysis. Coordination Chemistry Reviews, 2021, 436, 213825.	9.5	136
33	Acid-Resistant Catalysis without Use of Noble Metals: Carbon Nitride with Underlying Nickel. ACS Catalysis, 2014, 4, 2536-2543.	5.5	135
34	Influence of different supports on the physicochemical properties and denitration performance of the supported Mn-based catalysts for NH3-SCR at low temperature. Applied Surface Science, 2017, 402, 208-217.	3.1	129
35	Dispersion, reduction and catalytic performance of CuO supported on ZrO2-doped TiO2 for NO removal by CO. Applied Catalysis B: Environmental, 2011, 103, 206-220.	10.8	128
36	Sulfated Temperature Effects on the Catalytic Activity of CeO₂ in NH₃-Selective Catalytic Reduction Conditions. Journal of Physical Chemistry C, 2015, 119, 1155-1163.	1.5	128

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37	Crystal-Plane Effects on the Catalytic Properties of Au/TiO₂. ACS Catalysis, 2013, 3, 2768-2775.	5.5	120
38	Conquering ammonium bisulfate poison over low-temperature NH3-SCR catalysts: A critical review. Applied Catalysis B: Environmental, 2021, 297, 120388.	10.8	120
39	Shape-control of one-dimensional PtNi nanostructures as efficient electrocatalysts for alcohol electrooxidation. Nanoscale, 2019, 11, 4831-4836.	2.8	119
40	Influence of CO pretreatment on the activities of CuO/Î³-Al2O3 catalysts in CO+O2 reaction. Applied Catalysis B: Environmental, 2008, 79, 254-261.	10.8	118
41	Influence of preparation methods on the physicochemical properties and catalytic performance of MnO -CeO2 catalysts for NH3-SCR at low temperature. Chinese Journal of Catalysis, 2017, 38, 146-159.	6.9	114
42	In situ FT-infrared investigation of CO or/and NO interaction with CuO/Ce0.67Zr0.33O2 catalysts. Applied Catalysis B: Environmental, 2009, 90, 578-586.	10.8	112
43	Influence of supports on the activities of copper oxide species in the low-temperature NO+CO reaction. Applied Catalysis B: Environmental, 2001, 31, 61-69.	10.8	110
44	The Remarkable Enhancement of COâ€Pretreated CuOï£¿Mn₂O₃/Î³â€Al₂O₃ Supported Catalyst for the Reduction of NO with CO: The Formation of Surface Synergetic Oxygen Vacancy. Chemistry - A European Journal, 2011, 17, 5668-5679.	1.7	109
45	Insight into the SO2 resistance mechanism on Î³-Fe2O3 catalyst in NH3-SCR reaction: A collaborated experimental and DFT study. Applied Catalysis B: Environmental, 2021, 281, 119544.	10.8	107
46	In situ loading of ultra-small Cu2O particles on TiO2 nanosheets to enhance the visible-light photoactivity. Nanoscale, 2012, 4, 6351.	2.8	106
47	Efficient fabrication of active CuO-CeO2/SBA-15 catalysts for preferential oxidation of CO by solid state impregnation. Applied Catalysis B: Environmental, 2014, 146, 201-212.	10.8	105
48	Promotional effect of doping SnO₂ into TiO₂ over a CeO₂/TiO₂ catalyst for selective catalytic reduction of NO by NH₃. Catalysis Science and Technology, 2015, 5, 2188-2196.	2.1	103
49	Acid pretreatment effect on the physicochemical property and catalytic performance of CeO 2 for NH 3 -SCR. Applied Catalysis A: General, 2017, 542, 282-288.	2.2	100
50	Mesoporous NiOâ€"CeO2 catalysts for CO oxidation: Nickel content effect and mechanism aspect. Applied Catalysis A: General, 2015, 494, 77-86.	2.2	99
51	Influence of CuO loading on dispersion and reduction behavior of CuO/TiO2 (anatase) system. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 1905-1909.	1.7	97
52	A new strategy to transform mono and bimetallic non-noble metal nanoparticles into highly active and chemoselective hydrogenation catalysts. Journal of Catalysis, 2017, 350, 218-225.	3.1	95
53	Anion-Assisted Synthesis of TiO₂ Nanocrystals with Tunable Crystal Forms and Crystal Facets and Their Photocatalytic Redox Activities in Organic Reactions. Journal of Physical Chemistry C, 2013, 117, 18578-18587.	1.5	92
54	Mn-Modified CuO, CuFe₂O₄, and Î³-Fe₂O₃ Three-Phase Strong Synergistic Coexistence Catalyst System for NO Reduction by CO with a Wider Active Window. ACS Applied Materials & Interfaces, 2018, 10, 40509-40522.	4.0	92

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55	Investigation of the NO removal by CO on CuOâ€"CoOx binary metal oxides supported on Ce0.67Zr0.33O2. Applied Catalysis B: Environmental, 2009, 90, 105-114.	10.8	91
56	Study of the Properties of CuO/VO_{<i>x</i>}/Ti_{0.5}Sn_{0.5}O₂ Catalysts and Their Activities in NO + CO Reaction. ACS Catalysis, 2011, 1, 468-480.	5.5	91
57	Enhanced low-temperature NH 3 -SCR performance of MnO x /CeO 2 catalysts by optimal solvent effect. Applied Surface Science, 2017, 420, 407-415.	3.1	91
58	Activities of supported copper oxide catalysts in the NO+CO reaction at low temperatures. Journal of Molecular Catalysis A, 2000, 162, 307-316.	4.8	90
59	Studies on surface structure of MxOy/MoO3/CeO2 system (M=Ni, Cu, Fe) and its influence on SCR of NO by NH3. Applied Catalysis B: Environmental, 2010, 95, 144-152.	10.8	90
60	Synthesis of sandwich-like TiO2@C composite hollow spheres with high rate capability and stability for lithium-ion batteries. Journal of Power Sources, 2013, 221, 141-148.	4.0	90
61	Morphology and Crystal-Plane Effects of CeO₂ on TiO₂/CeO₂ Catalysts during NH₃-SCR Reaction. Industrial & Engineering Chemistry Research, 2018, 57, 12407-12419.	1.8	90
62	Effect of CO-pretreatment on the CuOâ€"V₂O₅/Î³-Al₂O₃ catalyst for NO reduction by CO. Catalysis Science and Technology, 2014, 4, 4416-4425.	2.1	88
63	Engineering the NiO/CeO₂ interface to enhance the catalytic performance for CO oxidation. RSC Advances, 2015, 5, 98335-98343.	1.7	87
64	Recent advances in one-dimensional noble-metal-based catalysts with multiple structures for efficient fuel-cell electrocatalysis. Coordination Chemistry Reviews, 2022, 450, 214244.	9.5	84
65	Synthesis, characterization and catalytic performance of FeMnTiOx mixed oxides catalyst prepared by a CTAB-assisted process for mid-low temperature NH3-SCR. Applied Catalysis A: General, 2015, 505, 235-242.	2.2	82
66	Morphology and nanosize effects of ceria from different precursors on the activity for NO reduction. Catalysis Today, 2011, 175, 48-54.	2.2	81
67	Engineering the TiO₂â€"Graphene Interface to Enhance Photocatalytic H₂ Production. ChemSusChem, 2014, 7, 618-626.	3.6	81
68	Pore Size Expansion Accelerates Ammonium Bisulfate Decomposition for Improved Sulfur Resistance in Low-Temperature NH₃-SCR. ACS Applied Materials & Interfaces, 2019, 11, 4900-4907.	4.0	81
69	Synergistic adsorption-photocatalysis processes of graphitic carbon nitrate (g-C3N4) for contaminant removal: Kinetics, models, and mechanisms. Chemical Engineering Journal, 2019, 375, 122019.	6.6	80
70	Crystal-Plane Effects of CeO₂{110} and CeO₂{100} on Photocatalytic CO₂ Reduction: Synergistic Interactions of Oxygen Defects and Hydroxyl Groups. ACS Sustainable Chemistry and Engineering, 2020, 8, 14397-14406.	3.2	80
71	The states of vanadium species in V-SBA-15 synthesized under different pH values. Microporous and Mesoporous Materials, 2008, 110, 508-516.	2.2	79
72	Facile Ball-Milling Synthesis of CuO/Biochar Nanocomposites for Efficient Removal of Reactive Red 120. ACS Omega, 2020, 5, 5748-5755.	1.6	79

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73	Precursor-mediated size tuning of monodisperse PtRh nanocubes as efficient electrocatalysts for ethylene glycol oxidation. Journal of Materials Chemistry A, 2019, 7, 7891-7896.	5.2	78
74	Synthesis, characterization and catalytic performance for phenol hydroxylation of Fe-MCM41 with high iron content. Microporous and Mesoporous Materials, 2008, 113, 163-170.	2.2	77
75	Influence of molar ratio and calcination temperature on the properties of Ti Sn1âˆ’O2 supporting copper oxide for CO oxidation. Applied Catalysis B: Environmental, 2016, 180, 451-462.	10.8	77
76	Synergistic effect between undercoordinated platinum atoms and defective nickel hydroxide on enhanced hydrogen evolution reaction in alkaline solution. Nano Energy, 2018, 48, 590-599.	8.2	76
77	Controllable Synthesis of Pure-Phase Rare-Earth Orthoferrites Hollow Spheres with a Porous Shell and Their Catalytic Performance for the CO + NO Reaction. Chemistry of Materials, 2010, 22, 4879-4889.	3.2	75
78	Self-template construction of Sub-24â€¯nmâ€¯Pd Ag hollow nanodendrites as highly efficient electrocatalysts for ethylene glycol oxidation. Journal of Power Sources, 2019, 418, 186-192.	4.0	75
79	Effect of Ti4+ and Sn4+ co-incorporation on the catalytic performance of CeO2-MnO catalyst for low temperature NH3-SCR. Applied Surface Science, 2019, 476, 283-292.	3.1	75
80	Efficient fabrication and photocatalytic properties of TiO2 hollow spheres. Catalysis Communications, 2009, 10, 650-654.	1.6	72
81	Textural, structural, and morphological characterizations and catalytic activity of nanosized CeO2â€“MOx (M=Mg2+, Al3+, Si4+) mixed oxides for CO oxidation. Journal of Colloid and Interface Science, 2011, 354, 341-352.	5.0	72
82	Fe-Mn/Al 2 O 3 catalysts for low temperature selective catalytic reduction of NO with NH 3. Chinese Journal of Catalysis, 2016, 37, 1314-1323.	6.9	72
83	Gas phase sulfation of ceria-zirconia solid solutions for generating highly efficient and SO2 resistant NH3-SCR catalysts for NO removal. Journal of Hazardous Materials, 2020, 388, 121729.	6.5	72
84	Synthesis and characterization of self-assembling (NH4)0.5V2O5 nanowires. Journal of Materials Chemistry, 2004, 14, 901.	6.7	70
85	Improved low temperature NH₃-SCR performance of FeMnTiO_x mixed oxide with CTAB-assisted synthesis. Chemical Communications, 2015, 51, 3470-3473.	2.2	69
86	A review of the role and mechanism of surfactants in the morphology control of metal nanoparticles. Nanoscale, 2021, 13, 3895-3910.	2.8	69
87	Investigation of surface synergetic oxygen vacancy in CuOâ€“CoO binary metal oxides supported on Î³-Al2O3 for NO removal by CO. Journal of Colloid and Interface Science, 2013, 390, 158-169.	5.0	67
88	Comprehensive understanding of the superior performance of Sm-modified Fe2O3 catalysts with regard to NO conversion and H2O/SO2 resistance in the NH3-SCR reaction. Chinese Journal of Catalysis, 2021, 42, 417-430.	6.9	67
89	Ceâ€“Si Mixed Oxide: A High Sulfur Resistant Catalyst in the NH₃â€“SCR Reaction through the Mechanism-Enhanced Process. Environmental Science & Technology, 2021, 55, 4017-4026.	4.6	66
90	Influence of impregnation times on the dispersion of CuO on anatase. Journal of Molecular Catalysis A, 2006, 243, 24-30.	4.8	65

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91	Crystal-plane effects on surface and catalytic properties of Cu2O nanocrystals for NO reduction by CO. Applied Catalysis A: General, 2015, 505, 334-343.	2.2	65
92	Construction of Fe2O3 loaded and mesopore confined thin-layer titania catalyst for efficient NH3-SCR of NOx with enhanced H2O/SO2 tolerance. Applied Catalysis B: Environmental, 2021, 287, 119982.	10.8	64
93	Synthesis, characterization, and catalytic performance of copper-containing SBA-15 in the phenol hydroxylation. Journal of Colloid and Interface Science, 2012, 380, 16-24.	5.0	63
94	Preparation and photoluminescence of yttrium hydroxide and yttrium oxide doped with europium nanowires. Journal of Crystal Growth, 2005, 277, 643-649.	0.7	61
95	Effect of cobalt precursors on the dispersion, reduction, and CO oxidation of CoO /Î³-Al2O3 catalysts calcined in N2. Journal of Colloid and Interface Science, 2011, 355, 464-471.	5.0	61
96	Activating low-temperature NH3-SCR catalyst by breaking the strong interface between acid and redox sites: A case of model Ce2(SO4)3-CeO2 study. Journal of Catalysis, 2021, 399, 212-223.	3.1	61
97	Influence of CeO₂modification on the properties of Fe₂O₃â€“Ti_{0.5}Sn_{0.5}O₂catalyst for NO reduction by CO. Catalysis Science and Technology, 2014, 4, 482-493.	2.1	59
98	Catalytic reduction of NO by CO over B-site partially substituted LaM0.25Co0.75O3 (Mâ€‰=â€‰Cu, Mn, Fe) perovskite oxide catalysts: The correlation between physicochemical properties and catalytic performance. Applied Catalysis A: General, 2018, 568, 43-53.	2.2	59
99	Tuning interaction between cobalt catalysts and nitrogen dopants in carbon nanospheres to promote Fischer-Tropsch synthesis. Applied Catalysis B: Environmental, 2019, 248, 73-83.	10.8	58
100	Effects of Ce/Zr ratio on the reducibility, adsorption and catalytic activity of CuO/CexZr1âˆ’xO2/Î³-Al2O3 catalysts for NO reduction by CO. Applied Catalysis B: Environmental, 2010, 96, 350-360.	10.8	56
101	Promotion effect of tungsten oxide on SCR of NO with NH3 for the V2O5â€“WO3/Ti0.5Sn0.5O2 catalyst: Experiments combined with DFT calculations. Journal of Molecular Catalysis A, 2011, 346, 29-38.	4.8	56
102	Effect of ZrO2 addition method on the activity of Al2O3-supported CuO for NO reduction with CO: Impregnation vs. coprecipitation. Applied Catalysis A: General, 2012, 423-424, 42-51.	2.2	56
103	Comparative study on the catalytic CO oxidation properties of CuO/CeO2 catalysts prepared by solid state and wet impregnation. Chinese Journal of Catalysis, 2014, 35, 1347-1358.	6.9	55
104	Characterization of copper oxide supported on ceria-modified anatase. Journal of Molecular Catalysis A, 2004, 219, 155-164.	4.8	54
105	Influence of MnO2 modification methods on the catalytic performance of CuO/CeO2 for NO reduction by CO. Journal of Rare Earths, 2014, 32, 131-138.	2.5	53
106	Dispersion, reduction and catalytic properties of copper oxide supported on Ce0.5Zr0.5O2 solid solution. Journal of Molecular Catalysis A, 2006, 255, 254-259.	4.8	52
107	Catalytic behaviors of CuO supported on Mn2O3 modified Î³-Al2O3 for NO reduction by CO. Journal of Molecular Catalysis A, 2010, 332, 32-44.	4.8	52
108	Controlling Dynamic Structural Transformation of Atomically Dispersed CuO_{<i>x</i>} Species and Influence on Their Catalytic Performances. ACS Catalysis, 2019, 9, 9840-9851.	5.5	52

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109	Advantageous Role of Ir⁰ Supported on TiO₂ Nanosheets in Photocatalytic CO₂ Reduction to CH₄: Fast Electron Transfer and Rich Surface Hydroxyl Groups. ACS Applied Materials & Interfaces, 2021, 13, 6219-6228.	4.0	52
110	Single-Atom Ce-Modified Î±-Fe₂O₃ for Selective Catalytic Reduction of NO with NH₃. Environmental Science & Technology, 2022, 56, 10442-10453.	4.6	52
111	Solid state preparation of NiO-CeO 2 catalyst for NO reduction. Catalysis Today, 2017, 281, 575-582.	2.2	51
112	Synthesis, characterization of bimetallic Ceâ€“Fe-SBA-15 and its catalytic performance in the phenol hydroxylation. Microporous and Mesoporous Materials, 2008, 113, 393-401.	2.2	50
113	Efficient fabrication of ZrO2-doped TiO2 hollow nanospheres with enhanced photocatalytic activity of rhodamine B degradation. Journal of Colloid and Interface Science, 2011, 364, 288-297.	5.0	50
114	Highly dispersed Pd/modified-Al2O3 catalyst on complete oxidation of toluene: Role of basic sites and mechanism insight. Applied Surface Science, 2019, 497, 143747.	3.1	50
115	Facile one-step synthesis of graphitic carbon nitride-modified biochar for the removal of reactive red 120 through adsorption and photocatalytic degradation. Biochar, 2019, 1, 89-96.	6.2	50
116	Improving the denitration performance and K-poisoning resistance of the V2O5-WO3/TiO2 catalyst by Ce4+ and Zr4+ co-doping. Chinese Journal of Catalysis, 2019, 40, 95-104.	6.9	50
117	Effects of different manganese precursors as promoters on catalytic performance of CuOâ€“MnO_x/TiO₂ catalysts for NO removal by CO. Physical Chemistry Chemical Physics, 2015, 17, 15996-16006.	1.3	49
118	Distinguishing faceted oxide nanocrystals with 17O solid-state NMR spectroscopy. Nature Communications, 2017, 8, 581.	5.8	48
119	Copper Single Atom-Triggered Niobiaâ€“Ceria Catalyst for Efficient Low-Temperature Reduction of Nitrogen Oxides. ACS Catalysis, 2022, 12, 2441-2453.	5.5	48
120	Influence of supports structure on the activity and adsorption behavior of copper-based catalysts for NO reduction. Journal of Molecular Catalysis A, 2010, 327, 1-11.	4.8	47
121	Direct synthesis, characterization and catalytic performance of bimetallic Feâ€“Mo-SBA-15 materials in selective catalytic reduction of NO with NH3. Microporous and Mesoporous Materials, 2012, 151, 44-55.	2.2	46
122	Doping effect of Sm on the TiO₂/CeSmO_x catalyst in the NH₃-SCR reaction: structureâ€“activity relationship, reaction mechanism and SO₂ tolerance. Catalysis Science and Technology, 2019, 9, 3554-3567.	2.1	46
123	CeO2 nanosheets with anion-induced oxygen vacancies for promoting photocatalytic toluene mineralization: Toluene adsorption and reactive oxygen species. Applied Catalysis B: Environmental, 2022, 317, 121694.	10.8	46
124	Effect of precursors on the structure and activity of CuO-CoOx/Î³-Al2O3 catalysts for NO reduction by CO. Journal of Colloid and Interface Science, 2018, 509, 334-345.	5.0	45
125	Dispersion and Reduction of Copper Oxide Supported on WO3-Modified Ce0.5Zr0.5O2Solid Solution. Journal of Physical Chemistry B, 2005, 109, 3949-3955.	1.2	44
126	Mo doping as an effective strategy to boost low temperature NH3-SCR performance of CeO2/TiO2 catalysts. Catalysis Communications, 2018, 114, 10-14.	1.6	44

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127	Enhanced low-temperature NH3-SCR performance of CeTiO catalyst via surface Mo modification. Chinese Journal of Catalysis, 2020, 41, 364-373.	6.9	44
128	Investigation of Two-Phase Intergrowth and Coexistence in Mnâ€“Ceâ€“Tiâ€“O Catalysts for the Selective Catalytic Reduction of NO with NH₃: Structureâ€“Activity Relationship and Reaction Mechanism. Industrial & Engineering Chemistry Research, 2019, 58, 849-862.	1.8	43
129	Revealing the effect of paired redox-acid sites on metal oxide catalysts for efficient NO removal by NH3-SCR. Journal of Hazardous Materials, 2021, 416, 125826.	6.5	43
130	Promotional effect of CO pretreatment on CuO/CeO2 catalyst for catalytic reduction of NO by CO. Journal of Rare Earths, 2014, 32, 139-145.	2.5	42
131	Influence of CeO2 loading on structure and catalytic activity for NH3-SCR over TiO2-supported CeO2. Journal of Rare Earths, 2020, 38, 883-890.	2.5	42
132	Composite catalytic systems: A strategy for developing the low temperature NH3-SCR catalysts with satisfactory SO2 and H2O tolerance. Catalysis Today, 2019, 327, 235-245.	2.2	40
133	Promoting N₂ Selectivity of CeMnO_{<i>x</i>} Catalyst by Supporting TiO₂ in NH₃-SCR Reaction. Industrial & Engineering Chemistry Research, 2019, 58, 6325-6332.	1.8	40
134	Dispersion of NiO Supported on Î³-Al2O3 and TiO2/Î³-Al2O3 Supports. Journal of Solid State Chemistry, 2001, 157, 274-282.	1.4	39
135	Research progress on the catalytic elimination of atmospheric molecular contaminants over supported metal-oxide catalysts. Catalysis Science and Technology, 2014, 4, 2814.	2.1	39
136	Comparative Study of Different Doped Metal Cations on the Reduction, Acidity, and Activity of Fe₉M₁O_{<i>x</i>} (M = Ti⁴⁺, Ce^{4+/3+},) Tj ETQq0 0 0 rgBT /Overlock 10 Research, 2017, 56, 12101-12110.	1.8	39
137	Engineering Spiny PtFePd@PtFe/Pt Core@Multishell Nanowires with Enhanced Performance for Alcohol Electrooxidation. ACS Applied Materials & Interfaces, 2019, 11, 30880-30886.	4.0	39
138	Phosphorus-Doped FeNi Alloys/NiFe₂O₄ Imbedded in Carbon Network Hollow Bipyramid as Efficient Electrocatalysts for Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 2285-2295.	3.2	39
139	Effect of CO pretreatment on the performance of CuO/CeO2/Î³-Al2O3 catalysts in CO+O2 reactions. Applied Catalysis A: General, 2009, 360, 26-32.	2.2	38
140	Interactions among supported copper-based catalyst components and their effects on performance: A review. Chinese Journal of Catalysis, 2013, 34, 851-864.	6.9	38
141	Facile construction of pompon-like PtAg alloy catalysts for enhanced ethylene glycol electrooxidation. International Journal of Hydrogen Energy, 2018, 43, 9644-9651.	3.8	38
142	Cavity size dependent SO2 resistance for NH3-SCR of hollow structured CeO2-TiO2 catalysts. Catalysis Communications, 2019, 128, 105719.	1.6	38
143	Getting insight into the effect of CuO on red mud for the selective catalytic reduction of NO by NH3. Journal of Hazardous Materials, 2020, 396, 122459.	6.5	38
144	Study on the crystal plane effect of CuO/TiO2 catalysts in NH3-SCR reaction. Catalysis Today, 2020, 339, 265-273.	2.2	37

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145	Novel MnO -CeO2 nanosphere catalyst for low-temperature NH3-SCR. Catalysis Communications, 2017, 100, 98-102.	1.6	36
146	NO Reduction by CO over Highly Active and Stable Perovskite Oxide Catalysts La_{0.8}Ce_{0.2}M_{0.25}Co_{0.75}O₃ (M = Cu, Mn,) Tj ETQq0 0 0 rgBT /Overloc	1.8	36
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