Fei Gao

List of Publications by Year
in descending order

289	17,057	9756	22764
papers	citations	73 h-index	112 g-index

290	290	290	11867
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solid-phase impregnation promotes Ce doping in TiO2 for boosted denitration of CeO2/TiO2 catalysts. Chinese Chemical Letters, 2022, 33, 935-938.	4.8	15
2	Molybdenum oxide as an efficient promoter to enhance the NH3-SCR performance of CeO2-SiO2 catalyst for NO removal. Catalysis Today, 2022, 397-399, 475-483.	2.2	19
3	Synergistic effects of CeO2/Cu2O on CO catalytic oxidation: Electronic interaction and oxygen defect. Journal of Rare Earths, 2022, 40, 1211-1218.	2.5	17
4	Enhancing low-temperature NH3-SCR performance of Feâ€“Mn/CeO2 catalyst by Al2O3 modification. Journal of Rare Earths, 2022, 40, 1454-1461.	2.5	26
5	Catalytic enhancement of small sizes of CeO2 additives on Ir/Al2O3 for toluene oxidation. Applied Surface Science, 2022, 571, 151200.	3.1	23
6	PtNiCu nanowires with advantageous lattice-plane boundary for enhanced ethanol electrooxidation. Nano Research, 2022, 15, 2877-2886.	5.8	15
7	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
8	Highly stable Pt3Ni ultralong nanowires tailored with trace Mo for the ethanol oxidation. Nano Research, 2022, 15, 3230-3238.	5.8	10
9	Effect of different introduction methods of cerium and tin on the properties of titanium-based catalysts for the selective catalytic reduction of NO by NH3. Journal of Colloid and Interface Science, 2022, 613, 320-336.	5.0	11
10	Enhanced methanol selectivity of Cu O/TiO2 photocatalytic CO2 reduction: Synergistic mechanism of surface hydroxyl and low-valence copper species. Journal of CO2 Utilization, 2022, 55, 101825.	3.3	18
11	Enhanced low-temperature catalytic performance for toluene combustion of CeO2-supported Pt-Ir alloy catalysts. Applied Surface Science, 2022, 580, 152278.	3.1	28
12	CeO2 doping boosted low-temperature NH3-SCR activity of FeTiOx catalyst: A microstructure analysis and reaction mechanistic study. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	3.3	5
13	Copper Single Atom-Triggered Niobiaâ€“Ceria Catalyst for Efficient Low-Temperature Reduction of Nitrogen Oxides. ACS Catalysis, 2022, 12, 2441-2453.	5.5	48
14	CuCeO_x/VMT powder and monolithic catalyst for CO-selective catalytic reduction of NO with CO. New Journal of Chemistry, 2022, 46, 10422-10432.	1.4	2
15	Sulfur Vacancy-Rich MoS₂-Catalyzed Hydrodeoxygenation of Lactic Acid to Biopropionic Acid. ACS Sustainable Chemistry and Engineering, 2022, 10, 5463-5475.	3.2	18
16	Cerium manganese oxides coupled with ZSM-5: A novel SCR catalyst with superior K resistance. Chemical Engineering Journal, 2022, 445, 136530.	6.6	20
17	Single-Atom Ce-Modified Î±-Fe₂O₃ for Selective Catalytic Reduction of NO with NH₃. Environmental Science & Technology, 2022, 56, 10442-10453.	4.6	52
18	Interfacial synergistic effect in SnO2/PtNi nanocrystals enclosed by high-index facets for high-efficiency ethylene glycol electrooxidation. Nano Research, 2022, 15, 7877-7886.	5.8	8

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19	Ball-milled Bi2MoO6/biochar composites for synergistic adsorption and photodegradation of methylene blue: Kinetics and mechanisms. Industrial Crops and Products, 2022, 186, 115229.	2.5	24
20	Insight into the promotional mechanism of Cu modification towards wide-temperature NH3-SCR performance of NbCe catalyst. Chinese Journal of Chemical Engineering, 2022, 50, 301-309.	1.7	6
21	Unraveling the SO₂ Poisoning Effect over the Lifetime of MeO_x (Me =) Tj ETQq1 1 0.784314 rgBT /Ove with Surface Species. Journal of Physical Chemistry C, 2022, 126, 12168-12177.	1.5	12
22	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
23	Understanding the high performance of an iron-antimony binary metal oxide catalyst in selective catalytic reduction of nitric oxide with ammonia and its tolerance of water/sulfur dioxide. Journal of Colloid and Interface Science, 2021, 581, 427-441.	5.0	28
24	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
25	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
26	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
27	The facet-regulated oxidative dehydrogenation of lactic acid to pyruvic acid on Î±-Fe₂O₃. Green Chemistry, 2021, 23, 328-332.	4.6	18
28	Activity enhancement of WO3 modified FeTiO catalysts for the selective catalytic reduction of NO by NH3. Catalysis Today, 2021, 375, 614-622.	2.2	13
29	Coreâ€“Shell Materials for Photocatalytic CO2 Reduction. Nanostructure Science and Technology, 2021, , 201-214.	0.1	0
30	Pilot test of environment-friendly catalysts for the DeNO_x of low-temperature flue gas from a coal-fired plant. Catalysis Science and Technology, 2021, 11, 3164-3175.	2.1	3
31	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
32	The effects of dopant on catalytic activity of Pd/mesoporous alumina for toluene oxidation. Research on Chemical Intermediates, 2021, 47, 1239-1251.	1.3	1
33	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
34	One-Pot Synthesis of CeO2 Modified SBA-15 With No Pore Clogging for NO Reduction by CO. Frontiers in Environmental Chemistry, 2021, 2, .	0.7	2
35	Evaluation of Manganese Oxide Octahedral Molecular Sieves for CO and C3H6 Oxidation at Diesel Exhaust Conditions. Frontiers in Environmental Chemistry, 2021, 2, .	0.7	8
36	Real time imaging of photocatalytic active site formation during H2 evolution by in-situ TEM. Applied Catalysis B: Environmental, 2021, 284, 119743.	10.8	19

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37	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
38	Universal strategies to multi-dimensional noble-metal-based catalysts for electrocatalysis. Coordination Chemistry Reviews, 2021, 436, 213825.	9.5	136
39	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
40	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
41	Transformation of Highly Stable Pt Single Sites on Defect Engineered Ceria into Robust Pt Clusters for Vehicle Emission Control. Environmental Science & Technology, 2021, 55, 12607-12618.	4.6	21
42	Effects of different methods of introducing Mo on denitration performance and anti-SO2 poisoning performance of CeO2. Chinese Journal of Catalysis, 2021, 42, 1488-1499.	6.9	19
43	Relationships between Adsorption Amount of Surface Sulfate and NH₃-SCR Performance over CeO₂. Journal of Physical Chemistry C, 2021, 125, 21964-21974.	1.5	19
44	Conquering ammonium bisulfate poison over low-temperature NH3-SCR catalysts: A critical review. Applied Catalysis B: Environmental, 2021, 297, 120388.	10.8	120
45	Highly efficient Pt catalyst on newly designed CeO2-ZrO2-Al2O3 support for catalytic removal of pollutants from vehicle exhaust. Chemical Engineering Journal, 2021, 426, 131855.	6.6	30
46	Effects of different treatment atmospheres on CeO₂/g-C₃N₄ photocatalytic CO₂ reduction: good or bad?. Catalysis Science and Technology, 2021, 11, 2827-2833.	2.1	9
47	A review of the role and mechanism of surfactants in the morphology control of metal nanoparticles. Nanoscale, 2021, 13, 3895-3910.	2.8	69
48	Study on the crystal plane effect of CuO/TiO2 catalysts in NH3-SCR reaction. Catalysis Today, 2020, 339, 265-273.	2.2	37
49	Cobalt nanoparticle with tunable size supported on nitrogen-deficient graphitic carbon nitride for efficient visible light driven H2 evolution reaction. Chemical Engineering Journal, 2020, 381, 122576.	6.6	32
50	Trimetallic platinum-nickel-palladium nanorods with abundant bumps as robust catalysts for methanol electrooxidation. Journal of Colloid and Interface Science, 2020, 561, 512-518.	5.0	25
51	Enhanced low-temperature NH3-SCR performance of CeTiO catalyst via surface Mo modification. Chinese Journal of Catalysis, 2020, 41, 364-373.	6.9	44
52	Regeneration of deactivated CeCo O2 catalyst by simple thermal treatment. Journal of Rare Earths, 2020, 38, 899-905.	2.5	4
53	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
54	Surface configuration modulation for FeO -CeO2/Î³-Al2O3 catalysts and its influence in CO oxidation. Journal of Catalysis, 2020, 386, 139-150.	3.1	20

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55	High Resistance of SO2 and H2O over Monolithic Mn-Fe-Ce-Al-O Catalyst for Low Temperature NH3-SCR. Catalysts, 2020, 10, 1329.	1.6	8
56	Morphology-Sensitive Sulfation Effect on Ceria Catalysts for NH3-SCR. Topics in Catalysis, 2020, 63, 932-943.	1.3	24
57	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
58	Pt Deposites on TiO2 for Photocatalytic H2 Evolution: Pt Is Not Only the Cocatalyst, but Also the Defect Repair Agent. Catalysts, 2020, 10, 1047.	1.6	12
59	Tuning Singleâ€atom Pt₁â”CeO₂ Catalyst for Efficient CO and C₃H₆ Oxidation: Size Effect of Ceria on Pt Structural Evolution. ChemNanoMat, 2020, 6, 1797-1805.	1.5	27
60	Tiny Ir doping of sub-one-nanometer PtMn nanowires: highly active and stable catalysts for alcohol electrooxidation. Nanoscale, 2020, 12, 12098-12105.	2.8	32
61	Dopamine sacrificial coating strategy driving formation of highly active surface-exposed Ru sites on Ru/TiO2 catalysts in Fischerâ€“Tropsch synthesis. Applied Catalysis B: Environmental, 2020, 278, 119261.	10.8	31
62	Unravelling the structure sensitivity of CuO/SiO₂ catalysts in the NO + CO reaction. Catalysis Science and Technology, 2020, 10, 3848-3856.	2.1	7
63	Facile Ball-Milling Synthesis of CuO/Biochar Nanocomposites for Efficient Removal of Reactive Red 120. ACS Omega, 2020, 5, 5748-5755.	1.6	79
64	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
65	The dual effects of ammonium bisulfate on the selective catalytic reduction of NO with NH3 over Fe2O3-WO3 catalyst confined in MCM-41. Chemical Engineering Journal, 2020, 389, 124271.	6.6	24
66	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
67	Sustainable production of pyruvic acid: oxidative dehydrogenation of lactic acid over the FeMoO/P catalyst. New Journal of Chemistry, 2020, 44, 5884-5894.	1.4	8
68	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
69	Tunable long-chains of core@shell PdAg@Pd as high-performance catalysts for ethanol oxidation. Journal of Colloid and Interface Science, 2020, 574, 182-189.	5.0	21
70	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
71	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
72	Getting Insights into the Temperature-Specific Active Sites on Platinum Nanoparticles for CO Oxidation: A Combined in Situ Spectroscopic and ab Initio Density Functional Theory Study. ACS Catalysis, 2019, 9, 7759-7768.	5.5	33

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73	Insights into the precursor effect on the surface structure of Î³-Al2O3 and NOâ€¯+â€¯CO catalytic performance of CO-pretreated CuO/MnOx/Î³-Al2O3 catalysts. Journal of Colloid and Interface Science, 2019, 554, 611-618.	5.0	15
74	Novel networked wicker-like PtFe nanowires with branch-rich exteriors for efficient electrocatalysis. Nanoscale, 2019, 11, 15561-15566.	2.8	32
75	Ultrathin one-dimensional platinum-cobalt nanowires as efficient catalysts for the glycerol oxidation reaction. Journal of Colloid and Interface Science, 2019, 556, 441-448.	5.0	16
76	Controlling Dynamic Structural Transformation of Atomically Dispersed CuO_x Species and Influence on Their Catalytic Performances. ACS Catalysis, 2019, 9, 9840-9851.	5.5	52
77	High-density surface protuberances endow ternary PtFeSn nanowires with high catalytic performance for efficient alcohol electro-oxidation. Nanoscale, 2019, 11, 18176-18182.	2.8	25
78	Cuprous cluster as effective single-molecule metallaphotocatalyst in white light-driven C H arylation. Journal of Catalysis, 2019, 378, 270-276.	3.1	9
79	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
80	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
81	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
82	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
83	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
84	Cavity size dependent SO2 resistance for NH3-SCR of hollow structured CeO2-TiO2 catalysts. Catalysis Communications, 2019, 128, 105719.	1.6	38
85	Shape-controlled PdSn alloy as superior electrocatalysts for alcohol oxidation reactions. Journal of the Taiwan Institute of Chemical Engineers, 2019, 101, 167-176.	2.7	20
86	Monodispersed bimetallic platinum-copper alloy nanospheres as efficient catalysts for ethylene glycol electrooxidation. Journal of Colloid and Interface Science, 2019, 551, 81-88.	5.0	19
87	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
88	An efficient and durable hierarchically porous KLA/TiPO catalyst for vapor phase condensation of lactic acid to 2,3-pentanedione. New Journal of Chemistry, 2019, 43, 5972-5979.	1.4	3
89	Silver nanocluster in zeolites. ADSORPTION of ETHYLENE traces for fruit preservation. Microporous and Mesoporous Materials, 2019, 283, 25-30.	2.2	34
90	Surface hydroxylated hematite promotes photoinduced hole transfer for water oxidation. Journal of Materials Chemistry A, 2019, 7, 8050-8054.	5.2	27

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91	The chain-typed nanoflowers structure endows PtBi with highly electrocatalytic activity of ethylene glycol oxidation. Journal of Alloys and Compounds, 2019, 789, 834-840.	2.8	16
92	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
93	Promoting N₂ Selectivity of CeMnO_x Catalyst by Supporting TiO₂ in NH₃-SCR Reaction. Industrial & Engineering Chemistry Research, 2019, 58, 6325-6332.	1.8	40
94	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
95	Superior liquid fuel oxidation electrocatalysis enabled by novel bimetallic PtNi nanorods. Journal of Power Sources, 2019, 425, 179-185.	4.0	26
96	Shape-control of one-dimensional PtNi nanostructures as efficient electrocatalysts for alcohol electrooxidation. Nanoscale, 2019, 11, 4831-4836.	2.8	119
97	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
98	Advantageous Interfacial Effects of AgPd/gâ€C₃N₄ for Photocatalytic Hydrogen Evolution: Electronic Structure and H₂O Dissociation. Chemistry - A European Journal, 2019, 25, 5058-5064.	1.7	22
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	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
101	Precise synthesis of monodisperse PdAg nanoparticles for size-dependent electrocatalytic oxidation reactions. Journal of Colloid and Interface Science, 2019, 544, 284-292.	5.0	19
102	Vapor-Phase Deoxygenation of Lactic Acid to Biopropionic Acid over Dispersant-Enhanced Molybdenum Oxide Catalyst. Industrial & Engineering Chemistry Research, 2019, 58, 101-109.	1.8	16
103	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
104	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
105	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
106	Chemically activated hydrochar as an effective adsorbent for volatile organic compounds (VOCs). Chemosphere, 2019, 218, 680-686.	4.2	145
107	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
108	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

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109	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
110	Highly selective catalytic reduction of NOx by MnOxâ€“CeO2â€“Al2O3 catalysts prepared by self-propagating high-temperature synthesis. Journal of Environmental Sciences, 2019, 75, 124-135.	3.2	31
111	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
112	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
113	Hierarchical branched platinumâ€“copper tripods as highly active and stable catalysts. Nanoscale, 2018, 10, 8246-8252.	2.8	25
114	Facile two-step treatment of carbon nitride for preparation of highly efficient visible-light photocatalyst. Applied Catalysis B: Environmental, 2018, 227, 541-547.	10.8	19
115	Synthesis of CrOx/C catalysts for low temperature NH3-SCR with enhanced regeneration ability in the presence of SO2. RSC Advances, 2018, 8, 3858-3868.	1.7	20
116	Nonmetal element doped g-C₃N₄ with enhanced H₂ evolution under visible light irradiation. Journal of Materials Research, 2018, 33, 1268-1278.	1.2	35
117	Ethylene Glycol Electrooxidation Based on Pentangleâ€Like PtCu Nanocatalysts. Chemistry - an Asian Journal, 2018, 13, 626-630.	1.7	11
118	Imaging of a clickable anticancer iridium catalyst. Journal of Inorganic Biochemistry, 2018, 180, 179-185.	1.5	23
119	Selective Catalytic Reduction of NO by NH₃ on CeO₂â€“MO_x (M = Ti, Si, and Al) Dual Composite Catalysts: Impact of Surface Acidity. Industrial & Engineering Chemistry Research, 2018, 57, 490-497.	1.8	31
120	A PEG/copper(<scp>i</scp>) halide cluster as an eco-friendly catalytic system for Câ€“N bond formation. Dalton Transactions, 2018, 47, 7463-7470.	1.6	9
121	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
122	Particle size effects of PtAg nanoparticles on the catalytic electrooxidation of liquid fuels. Inorganic Chemistry Frontiers, 2018, 5, 1174-1179.	3.0	13
123	Influence of calcination temperature on the plate-type V2O5â€“MoO3/TiO2 catalyst for selective catalytic reduction of NO. Reaction Kinetics, Mechanisms and Catalysis, 2018, 124, 603-617.	0.8	12
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	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 ETQq1 1 0.784314 rg BT		
126	Preparation and Investigation of Ironâ€“Cerium Oxide Compounds for NO_x Reduction. Industrial & Engineering Chemistry Research, 2018, 57, 16675-16683.	1.8	28

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127	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
128	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
129	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
130	Synthesis of Both Powdered and Preformed MnO_xâ€“CeO₂â€“Al₂O₃Catalysts by Self-Propagating High-Temperature Synthesis for the Selective Catalytic Reduction of NO_xwith NH₃. ACS Omega, 2018, 3, 5692-5703.	1.6	17
131	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
132	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
133	Effects of S and Ta codoping on photocatalytic activity of rutile TiO2. Journal of Sol-Gel Science and Technology, 2018, 86, 631-639.	1.1	8
134	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
135	Enhanced catalytic properties of Cu-based composites for NOx reduction with coexistence and intergrowth effect. Fuel, 2018, 234, 296-304.	3.4	28
136	Getting Insights into the Influence of Crystal Plane Effect of Shaped Ceria on Its Catalytic Performances. Journal of Physical Chemistry C, 2018, 122, 20402-20409.	1.5	35
137	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
138	Solid state preparation of NiO-CeO 2 catalyst for NO reduction. Catalysis Today, 2017, 281, 575-582.	2.2	51
139	Construction of hybrid multi-shell hollow structured CeO₂â€“MnO_x materials for selective catalytic reduction of NO with NH₃. RSC Advances, 2017, 7, 5989-5999.	1.7	28
140	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
141	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
142	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
143	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
144	Fabrication of highly dispersed/active ultrafine Pd nanoparticle supported catalysts: a facile solvent-free in situ dispersion/reduction method. Green Chemistry, 2017, 19, 2646-2652.	4.6	24

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145	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
146	Enhanced visible light photocatalytic hydrogen evolution via cubic CeO2 hybridized g-C3N4 composite. Applied Catalysis B: Environmental, 2017, 218, 51-59.	10.8	165
147	Novel MnO -CeO2 nanosphere catalyst for low-temperature NH3-SCR. Catalysis Communications, 2017, 100, 98-102.	1.6	36
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