Fei Gao

List of Publications by Year in Descending Order

276 papers	11,517 citations	63 h-index	92 g-index
290 ext. papers	14,233 ext. citations	8.8 avg, IF	6.68 L-index

#	Paper	IF	Citations
276	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	5.8	1
275	Enhanced low-temperature catalytic performance for toluene combustion of CeO2-supported Pt-Ir alloy catalysts. *Applied Surface Science*, **2022**, 580, 152278	6.7	1
274	Recent advances in one-dimensional noble-metal-based catalysts with multiple structures for efficient fuel-cell electrocatalysis. *Coordination Chemistry Reviews*, **2022**, 450, 214244	23.2	17
273	Catalytic enhancement of small sizes of CeO2 additives on Ir/Al2O3 for toluene oxidation. *Applied Surface Science*, **2022**, 571, 151200	6.7	4
272	Sulfur Vacancy-Rich MoS2-Catalyzed Hydrodeoxygenation of Lactic Acid to Biopropionic Acid. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 5463-5475	8.3	1
271	Cerium manganese oxides coupled with ZSM-5: A novel SCR catalyst with superior K resistance. *Chemical Engineering Journal*, **2022**, 445, 136530	14.7	0
270	Effect of different introduction methods of cerium and tin on the properties of titanium-based catalysts for the selective catalytic reduction of NO by NH.. *Journal of Colloid and Interface Science*, **2021**, 613, 320-336	9.3	0
269	Enhanced methanol selectivity of Cu O/TiO2 photocatalytic CO2 reduction: Synergistic mechanism of surface hydroxyl and low-valence copper species. *Journal of CO2 Utilization*, **2021**, 55, 101825	7.6	3
268	Ce-Si Mixed Oxide: A High Sulfur Resistant Catalyst in the NH-SCR Reaction through the Mechanism-Enhanced Process. *Environmental Science & Technology*, **2021**, 55, 4017-4026	10.3	11
267	One-Pot Synthesis of CeO2 Modified SBA-15 With No Pore Clogging for NO Reduction by CO. *Frontiers in Environmental Chemistry*, **2021**, 2,	3	1
266	Real time imaging of photocatalytic active site formation during H2 evolution by in-situ TEM. *Applied Catalysis B: Environmental*, **2021**, 284, 119743	21.8	8
265	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	21.8	11
264	Universal strategies to multi-dimensional noble-metal-based catalysts for electrocatalysis. *Coordination Chemistry Reviews*, **2021**, 436, 213825	23.2	42
263	Solid-phase impregnation promotes Ce doping in TiO2 for boosted denitration of CeO2/TiO2 catalysts. *Chinese Chemical Letters*, **2021**, 33, 935-935	8.1	0
262	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	7.3	16
261	Molybdenum oxide as an efficient promoter to enhance the NH3-SCR performance of CeO2-SiO2 catalyst for NOx removal. *Catalysis Today*, **2021**,	5.3	1
260	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	9.3	10

259	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	11.3	21
258	Insight into the SO2 resistance mechanism on □Fe2O3 catalyst in NH3-SCR reaction: A collaborated experimental and DFT study. *Applied Catalysis B: Environmental*, **2021**, 281, 119544	21.8	35
257	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	14.7	38
256	The facet-regulated oxidative dehydrogenation of lactic acid to pyruvic acid on □Fe2O3. *Green Chemistry*, **2021**, 23, 328-332	10	6
255	Activity enhancement of WO3 modified FeTiO catalysts for the selective catalytic reduction of NO by NH3. *Catalysis Today*, **2021**, 375, 614-622	5.3	5
254	Core□shell Materials for Photocatalytic CO2 Reduction. *Nanostructure Science and Technology*, **2021**, 201-214	0.9	
253	Pilot test of environment-friendly catalysts for the DeNOx of low-temperature flue gas from a coal-fired plant. *Catalysis Science and Technology*, **2021**, 11, 3164-3175	5.5	1
252	Advantageous Role of Ir Supported on TiO Nanosheets in Photocatalytic CO Reduction to CH: Fast Electron Transfer and Rich Surface Hydroxyl Groups. *ACS Applied Materials & Interfaces*, **2021**, 13, 6219-6228	9.5	20
251	The effects of dopant on catalytic activity of Pd/mesoporous alumina for toluene oxidation. *Research on Chemical Intermediates*, **2021**, 47, 1239-1251	2.8	1
250	Revealing the effect of paired redox-acid sites on metal oxide catalysts for efficient NO removal by NH-SCR. *Journal of Hazardous Materials*, **2021**, 416, 125826	12.8	7
249	Synergistic effects of CeO2/Cu2O on CO catalytic oxidation: Electronic interaction and oxygen defect. *Journal of Rare Earths*, **2021**,	3.7	1
248	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	10.3	1
247	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	11.3	2
246	Conquering ammonium bisulfate poison over low-temperature NH3-SCR catalysts: A critical review. *Applied Catalysis B: Environmental*, **2021**, 297, 120388	21.8	15
245	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	14.7	4
244	Effects of different treatment atmospheres on CeO2/g-C3N4 photocatalytic CO2 reduction: good or bad?. *Catalysis Science and Technology*, **2021**, 11, 2827-2833	5.5	2
243	A review of the role and mechanism of surfactants in the morphology control of metal nanoparticles. *Nanoscale*, **2021**, 13, 3895-3910	7.7	15
242	Tiny Ir doping of sub-one-nanometer PtMn nanowires: highly active and stable catalysts for alcohol electrooxidation. *Nanoscale*, **2020**, 12, 12098-12105	7.7	14

241	Dopamine sacrificial coating strategy driving formation of highly active surface-exposed Ru sites on Ru/TiO2 catalysts in Fischer□Tropsch synthesis. *Applied Catalysis B: Environmental*, **2020**, 278, 119261	21.8	17
240	Unravelling the structure sensitivity of CuO/SiO2 catalysts in the NO + CO reaction. *Catalysis Science and Technology*, **2020**, 10, 3848-3856	5.5	5
239	Facile Ball-Milling Synthesis of CuO/Biochar Nanocomposites for Efficient Removal of Reactive Red 120. *ACS Omega*, **2020**, 5, 5748-5755	3.9	35
238	Universal Surfactant-Free Strategy for Self-Standing 3D Tremella-Like Pd□M (M = Ag, Pb, and Au) Nanosheets for Superior Alcohols Electrocatalysis. *Advanced Functional Materials*, **2020**, 30, 2000255	15.6	98
237	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	14.7	8
236	Influence of CeO2 loading on structure and catalytic activity for NH3-SCR over TiO2-supported CeO2. *Journal of Rare Earths*, **2020**, 38, 883-890	3.7	15
235	Sustainable production of pyruvic acid: oxidative dehydrogenation of lactic acid over the FeMoO/P catalyst. *New Journal of Chemistry*, **2020**, 44, 5884-5894	3.6	5
234	Getting insight into the effect of CuO on red mud for the selective catalytic reduction of NO by NH. *Journal of Hazardous Materials*, **2020**, 396, 122459	12.8	12
233	Trimetallic platinum-nickel-palladium nanorods with abundant bumps as robust catalysts for methanol electrooxidation. *Journal of Colloid and Interface Science*, **2020**, 561, 512-518	9.3	16
232	Enhanced low-temperature NH3-SCR performance of CeTiO catalyst via surface Mo modification. *Chinese Journal of Catalysis*, **2020**, 41, 364-373	11.3	24
231	Regeneration of deactivated CeCo O2 catalyst by simple thermal treatment. *Journal of Rare Earths*, **2020**, 38, 899-905	3.7	3
230	Gas phase sulfation of ceria-zirconia solid solutions for generating highly efficient and SO resistant NH-SCR catalysts for NO removal. *Journal of Hazardous Materials*, **2020**, 388, 121729	12.8	34
229	Surface configuration modulation for FeO -CeO2/□Al2O3 catalysts and its influence in CO oxidation. *Journal of Catalysis*, **2020**, 386, 139-150	7.3	9
228	High Resistance of SO2 and H2O over Monolithic Mn-Fe-Ce-Al-O Catalyst for Low Temperature NH3-SCR. *Catalysts*, **2020**, 10, 1329	4	5
227	Morphology-Sensitive Sulfation Effect on Ceria Catalysts for NH3-SCR. *Topics in Catalysis*, **2020**, 63, 932-943	2.9	4
226	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	8.3	33
225	Pt Deposites on TiO2 for Photocatalytic H2 Evolution: Pt Is Not Only the Cocatalyst, but Also the Defect Repair Agent. *Catalysts*, **2020**, 10, 1047	4	5
224	Tuning Single-atom Pt1□CeO2 Catalyst for Efficient CO and C3H6 Oxidation: Size Effect of Ceria on Pt Structural Evolution. *ChemNanoMat*, **2020**, 6, 1797-1805	3.5	6

223	Study on the crystal plane effect of CuO/TiO2 catalysts in NH3-SCR reaction. *Catalysis Today*, **2020**, 339, 265-273	5.3	24
222	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	14.7	22
221	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	9.3	16
220	Ultrathin one-dimensional platinum-cobalt nanowires as efficient catalysts for the glycerol oxidation reaction. *Journal of Colloid and Interface Science*, **2019**, 556, 441-448	9.3	8
219	Controlling Dynamic Structural Transformation of Atomically Dispersed CuOx Species and Influence on Their Catalytic Performances. *ACS Catalysis*, **2019**, 9, 9840-9851	13.1	26
218	High-density surface protuberances endow ternary PtFeSn nanowires with high catalytic performance for efficient alcohol electro-oxidation. *Nanoscale*, **2019**, 11, 18176-18182	7.7	15
217	Cuprous cluster as effective single-molecule metallaphotocatalyst in white light-driven C H arylation. *Journal of Catalysis*, **2019**, 378, 270-276	7.3	6
216	Highly dispersed Pd/modified-Al2O3 catalyst on complete oxidation of toluene: Role of basic sites and mechanism insight. *Applied Surface Science*, **2019**, 497, 143747	6.7	20
215	Pore Size Expansion Accelerates Ammonium Bisulfate Decomposition for Improved Sulfur Resistance in Low-Temperature NH-SCR. *ACS Applied Materials & Interfaces*, **2019**, 11, 4900-4907	9.5	40
214	Interfacial coupling effects in g-C3N4/SrTiO3 nanocomposites with enhanced H2 evolution under visible light irradiation. *Applied Catalysis B: Environmental*, **2019**, 247, 1-9	21.8	84
213	Doping effect of Sm on the TiO2/CeSmOx catalyst in the NH3-SCR reaction: structure–activity relationship, reaction mechanism and SO2 tolerance. *Catalysis Science and Technology*, **2019**, 9, 3554-3567	5.5	23
212	Synergistic adsorption-photocatalysis processes of graphitic carbon nitrate (g-C3N4) for contaminant removal: Kinetics, models, and mechanisms. *Chemical Engineering Journal*, **2019**, 375, 122019	14.7	40
211	Cavity size dependent SO2 resistance for NH3-SCR of hollow structured CeO2-TiO2 catalysts. *Catalysis Communications*, **2019**, 128, 105719	3.2	23
210	Shape-controlled PdSn alloy as superior electrocatalysts for alcohol oxidation reactions. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 101, 167-176	5.3	14
209	Monodispersed bimetallic platinum-copper alloy nanospheres as efficient catalysts for ethylene glycol electrooxidation. *Journal of Colloid and Interface Science*, **2019**, 551, 81-88	9.3	11
208	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	21.8	111
207	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	3.6	2
206	Silver nanocluster in zeolites. ADSORPTION of ETHYLENE traces for fruit preservation. *Microporous and Mesoporous Materials*, **2019**, 283, 25-30	5.3	16

205	Surface hydroxylated hematite promotes photoinduced hole transfer for water oxidation. *Journal of Materials Chemistry A*, **2019**, 7, 8050-8054	13	18
204	The chain-typed nanoflowers structure endows PtBi with highly electrocatalytic activity of ethylene glycol oxidation. *Journal of Alloys and Compounds*, **2019**, 789, 834-840	5.7	14
203	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	14.7	88
202	Promoting N2 Selectivity of CeMnOx Catalyst by Supporting TiO2 in NH3-SCR Reaction. *Industrial & Engineering Chemistry Research*, **2019**, 58, 6325-6332	3.9	18
201	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	10	25
200	Superior liquid fuel oxidation electrocatalysis enabled by novel bimetallic PtNi nanorods. *Journal of Power Sources*, **2019**, 425, 179-185	8.9	21
199	Shape-control of one-dimensional PtNi nanostructures as efficient electrocatalysts for alcohol electrooxidation. *Nanoscale*, **2019**, 11, 4831-4836	7.7	79
198	Self-template construction of Sub-24 nm Pd Ag hollow nanodendrites as highly efficient electrocatalysts for ethylene glycol oxidation. *Journal of Power Sources*, **2019**, 418, 186-192	8.9	63
197	Advantageous Interfacial Effects of AgPd/g-C N for Photocatalytic Hydrogen Evolution: Electronic Structure and H O Dissociation. *Chemistry - A European Journal*, **2019**, 25, 5058-5064	4.8	15
196	Tuning interaction between cobalt catalysts and nitrogen dopants in carbon nanospheres to promote Fischer-Tropsch synthesis. *Applied Catalysis B: Environmental*, **2019**, 248, 73-83	21.8	38
195	Precursor-mediated size tuning of monodisperse PtRh nanocubes as efficient electrocatalysts for ethylene glycol oxidation. *Journal of Materials Chemistry A*, **2019**, 7, 7891-7896	13	67
194	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	5.3	20
193	Engineering Spiny PtFePd@PtFe/Pt Core@Multishell Nanowires with Enhanced Performance for Alcohol Electrooxidation. *ACS Applied Materials & Interfaces*, **2019**, 11, 30880-30886	9.5	23
192	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	13.1	18
191	Insights into the precursor effect on the surface structure of □AlO and NO + CO catalytic performance of CO-pretreated CuO/MnO/□AlO catalysts. *Journal of Colloid and Interface Science*, **2019**, 554, 611-618	9.3	12
190	Novel networked wicker-like PtFe nanowires with branch-rich exteriors for efficient electrocatalysis. *Nanoscale*, **2019**, 11, 15561-15566	7.7	24
189	Precise synthesis of monodisperse PdAg nanoparticles for size-dependent electrocatalytic oxidation reactions. *Journal of Colloid and Interface Science*, **2019**, 544, 284-292	9.3	12
188	Vapor-Phase Deoxygenation of Lactic Acid to Biopropionic Acid over Dispersant-Enhanced Molybdenum Oxide Catalyst. *Industrial & Engineering Chemistry Research*, **2019**, 58, 101-109	3.9	11

187	Investigation of Two-Phase Intergrowth and Coexistence in MnCeTiO Catalysts for the Selective Catalytic Reduction of NO with NH3: Structure–Activity Relationship and Reaction Mechanism. *Industrial & Engineering Chemistry Research*, **2019**, 58, 849-862	3.9	28
186	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	8.3	21
185	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	11.3	26
184	Chemically activated hydrochar as an effective adsorbent for volatile organic compounds (VOCs). *Chemosphere*, **2019**, 218, 680-686	8.4	93
183	Effect of Ti4+ and Sn4+ co-incorporation on the catalytic performance of CeO2-MnOx catalyst for low temperature NH3-SCR. *Applied Surface Science*, **2019**, 476, 283-292	6.7	44
182	Integrated adsorption and photocatalytic degradation of volatile organic compounds (VOCs) using carbon-based nanocomposites: A critical review. *Chemosphere*, **2019**, 218, 845-859	8.4	165
181	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	21.8	135
180	Highly selective catalytic reduction of NO by MnO-CeO-AlO catalysts prepared by self-propagating high-temperature synthesis. *Journal of Environmental Sciences*, **2019**, 75, 124-135	6.4	23
179	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	21.8	143
178	Synergistic effect between undercoordinated platinum atoms and defective nickel hydroxide on enhanced hydrogen evolution reaction in alkaline solution. *Nano Energy*, **2018**, 48, 590-599	17.1	60
177	Hierarchical branched platinum-copper tripods as highly active and stable catalysts. *Nanoscale*, **2018**, 10, 8246-8252	7.7	20
176	Facile two-step treatment of carbon nitride for preparation of highly efficient visible-light photocatalyst. *Applied Catalysis B: Environmental*, **2018**, 227, 541-547	21.8	10
175	Synthesis of CrO /C catalysts for low temperature NH-SCR with enhanced regeneration ability in the presence of SO.. *RSC Advances*, **2018**, 8, 3858-3868	3.7	16
174	Nonmetal element doped g-C3N4 with enhanced H2 evolution under visible light irradiation. *Journal of Materials Research*, **2018**, 33, 1268-1278	2.5	23
173	Ethylene Glycol Electrooxidation Based on Pentangle-Like PtCu Nanocatalysts. *Chemistry - an Asian Journal*, **2018**, 13, 626-630	4.5	9
172	Imaging of a clickable anticancer iridium catalyst. *Journal of Inorganic Biochemistry*, **2018**, 180, 179-185	4.2	18
171	Selective Catalytic Reduction of NO by NH3 on CeO2–MOx (M = Ti, Si, and Al) Dual Composite Catalysts: Impact of Surface Acidity. *Industrial & Engineering Chemistry Research*, **2018**, 57, 490-497	3.9	19
170	A PEG/copper(i) halide cluster as an eco-friendly catalytic system for C-N bond formation. *Dalton Transactions*, **2018**, 47, 7463-7470	4.3	8

169	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	14.7	124
168	Particle size effects of PtAg nanoparticles on the catalytic electrooxidation of liquid fuels. *Inorganic Chemistry Frontiers*, **2018**, 5, 1174-1179	6.8	12
167	Influence of calcination temperature on the plate-type V2O5–MoO3/TiO2 catalyst for selective catalytic reduction of NO. *Reaction Kinetics, Mechanisms and Catalysis*, **2018**, 124, 603-617	1.6	7
166	Effect of precursors on the structure and activity of CuO-CoO/γ-Al2O3 catalysts for NO reduction by CO. *Journal of Colloid and Interface Science*, **2018**, 509, 334-345	9.3	29
165	Crystal-plane-dependent metal oxide-support interaction in CeO2/g-C3N4 for photocatalytic hydrogen evolution. *Applied Catalysis B: Environmental*, **2018**, 238, 111-118	21.8	99
164	Enhanced catalytic properties of Cu-based composites for NOx reduction with coexistence and intergrowth effect. *Fuel*, **2018**, 234, 296-304	7.1	21
163	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	3.8	20
162	Confined small-sized cobalt catalysts stimulate carbon-chain growth reversely by modifying ASF law of Fischer-Tropsch synthesis. *Nature Communications*, **2018**, 9, 3250	17.4	124
161	NO Reduction by CO over Highly Active and Stable Perovskite Oxide Catalysts La0.8Ce0.2M0.25Co0.75O3 (M = Cu, Mn, Fe): Effect of the Role in B Site. *Industrial & Engineering Chemistry Research*, **2018**, 57, 15670-15682	3.9	19
160	Preparation and Investigation of Iron–Cerium Oxide Compounds for NOx Reduction. *Industrial & Engineering Chemistry Research*, **2018**, 57, 16675-16683	3.9	12
159	Catalytic reduction of NO by CO over B-site partially substituted LaM0.25Co0.75O3 (M = Cu, Mn, Fe) perovskite oxide catalysts: The correlation between physicochemical properties and catalytic performance. *Applied Catalysis A: General*, **2018**, 568, 43-53	5.1	32
158	Mn-Modified CuO, CuFeO, and γ-FeO 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	9.5	54
157	Morphology and Crystal-Plane Effects of CeO2 on TiO2/CeO2 Catalysts during NH3-SCR Reaction. *Industrial & Engineering Chemistry Research*, **2018**, 57, 12407-12419	3.9	54
156	Synthesis of Both Powdered and Preformed MnO -CeO-AlO Catalysts by Self-Propagating High-Temperature Synthesis for the Selective Catalytic Reduction of NO with NH. *ACS Omega*, **2018**, 3, 5692-5703	3.9	12
155	Mo doping as an effective strategy to boost low temperature NH3-SCR performance of CeO2/TiO2 catalysts. *Catalysis Communications*, **2018**, 114, 10-14	3.2	26
154	Facile construction of pompon-like PtAg alloy catalysts for enhanced ethylene glycol electrooxidation. *International Journal of Hydrogen Energy*, **2018**, 43, 9644-9651	6.7	33
153	Effects of S and Ta codoping on photocatalytic activity of rutile TiO2. *Journal of Sol-Gel Science and Technology*, **2018**, 86, 631-639	2.3	5
152	Solid state preparation of NiO-CeO2 catalyst for NO reduction. *Catalysis Today*, **2017**, 281, 575-582	5.3	35

151	Construction of hybrid multi-shell hollow structured CeO2@MnOx materials for selective catalytic reduction of NO with NH3. *RSC Advances*, **2017**, 7, 5989-5999	3.7	17
150	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	6.7	87
149	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	21.8	124
148	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	21.8	98
147	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	11.3	76
146	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	10	16
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	7.3	70
144	Enhanced visible light photocatalytic hydrogen evolution via cubic CeO2 hybridized g-C3N4 composite. *Applied Catalysis B: Environmental*, **2017**, 218, 51-59	21.8	129
143	Novel MnO -CeO2 nanosphere catalyst for low-temperature NH3-SCR. *Catalysis Communications*, **2017**, 100, 98-102	3.2	28
142	Enhanced low-temperature NH3-SCR performance of MnOx/CeO2 catalysts by optimal solvent effect. *Applied Surface Science*, **2017**, 420, 407-415	6.7	69
141	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	5.1	52
140	In situ surface assembly of core-shell TiO2-copper(I) cluster nanocomposites for visible-light photocatalytic reduction of Cr(VI). *Applied Catalysis B: Environmental*, **2017**, 205, 368-375	21.8	13
139	Catalytic performance of highly dispersed WO3 loaded on CeO2 in the selective catalytic reduction of NO by NH3. *Chinese Journal of Catalysis*, **2017**, 38, 1749-1758	11.3	18
138	Efficient Conversion of Bio-Lactic Acid to 2,3-Pentanedione on Cesium-Doped Hydroxyapatite Catalysts with Balanced Acid–Base Sites. *ChemCatChem*, **2017**, 9, 4621-4627	5.2	18
137	Migration of copper species in CeCuO catalyst driven by thermal treatment and the effect on CO oxidation. *Physical Chemistry Chemical Physics*, **2017**, 19, 21840-21847	3.6	14
136	Distinguishing faceted oxide nanocrystals with O solid-state NMR spectroscopy. *Nature Communications*, **2017**, 8, 581	17.4	38
135	Comparative Study of Different Doped Metal Cations on the Reduction, Acidity, and Activity of Fe9M1Ox (M = Ti4+, Ce4+/3+, Al3+) Catalysts for NH3-SCR Reaction. *Industrial & Engineering Chemistry Research*, **2017**, 56, 12101-12110	3.9	20
134	Ammonia promoted barium sulfate catalyst for dehydration of lactic acid to acrylic acid. *RSC Advances*, **2017**, 7, 54696-54705	3.7	8

133	Influence of different impregnation modes on the properties of CuOCeO2/Al2O3 catalysts for NO reduction by CO. *Applied Surface Science*, **2017**, 426, 279-286	6.7	18
132	Understanding the effect of CuO dispersion state on the activity of CuO modified Ce0.7Zr0.3O2 for NO removal. *Applied Surface Science*, **2017**, 403, 347-355	6.7	8
131	Influence of molar ratio and calcination temperature on the properties of TixSn1 xO2 supporting copper oxide for CO oxidation. *Applied Catalysis B: Environmental*, **2016**, 180, 451-462	21.8	56
130	Preparation, characterization, and catalytic performance of high efficient CeO2-MnOx-Al2O3 catalysts for NO elimination. *Chinese Journal of Catalysis*, **2016**, 37, 1369-1380	11.3	25
129	A first-principles study of the avalanche pressure of alpha zirconium. *RSC Advances*, **2016**, 6, 72551-72558	3.7	1
128	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	11.3	57
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