

Fei Gao

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L-index

#	Paper	IF	Citations
276	Influence of cerium precursors on the structure and reducibility of mesoporous CuO-CeO ₂ catalysts for CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2012 , 119-120, 308-320	21.8	264
275	Tailoring Cu valence and oxygen vacancy in Cu/TiO ₂ catalysts for enhanced CO ₂ photoreduction efficiency. <i>Applied Catalysis B: Environmental</i> , 2013 , 134-135, 349-358	21.8	246
274	Getting insight into the influence of SO ₂ on TiO ₂ /CeO ₂ for the selective catalytic reduction of NO by NH ₃ . <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 589-598	21.8	225
273	Ceria-based catalysts for low-temperature selective catalytic reduction of NO with NH ₃ . <i>Catalysis Science and Technology</i> , 2016 , 6, 1248-1264	5.5	217
272	Morphology and Crystal-Plane Effects of Nanoscale Ceria on the Activity of CuO/CeO ₂ for NO Reduction by CO. <i>ChemCatChem</i> , 2011 , 3, 978-989	5.2	197
271	Monodispersed mesoporous silica nanoparticles with very large pores for enhanced adsorption and release of DNA. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 1796-804	3.4	170
270	Investigation of the structure, acidity, and catalytic performance of CuO/Ti _{0.95} Ce _{0.05} O ₂ catalyst for the selective catalytic reduction of NO by NH ₃ at low temperature. <i>Applied Catalysis B: Environmental</i> , 2014 , 150-151, 315-329	21.8	166
269	Integrated adsorption and photocatalytic degradation of volatile organic compounds (VOCs) using carbon-based nanocomposites: A critical review. <i>Chemosphere</i> , 2019 , 218, 845-859	8.4	165
268	Correlation of structural characteristics with catalytic performance of CuO/Ce _x Zr _{1-x} O ₂ catalysts for NO reduction by CO. <i>Journal of Catalysis</i> , 2010 , 275, 45-60	7.3	162
267	Effect of metal ions doping (M = Ti ⁴⁺ , Sn ⁴⁺) on the catalytic performance of MnO _x /CeO ₂ catalyst for low temperature selective catalytic reduction of NO with NH ₃ . <i>Applied Catalysis A: General</i> , 2015 , 495, 206-216	5.1	157
266	Correlation between the physicochemical properties and catalytic performances of Ce _x Sn _{1-x} O ₂ mixed oxides for NO reduction by CO. <i>Applied Catalysis B: Environmental</i> , 2014 , 144, 152-165	21.8	149
265	Enhanced activity of visible-light photocatalytic H ₂ evolution of sulfur-doped g-C ₃ N ₄ photocatalyst via nanoparticle metal Ni as cocatalyst. <i>Applied Catalysis B: Environmental</i> , 2018 , 235, 66-74	21.8	143
264	Engineering the Cu ₂ O-reduced graphene oxide interface to enhance photocatalytic degradation of organic pollutants under visible light. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 495-503	21.8	137
263	Investigation of the physicochemical properties and catalytic activities of Ce _{0.67} M _{0.33} O ₂ (M = Zr ⁴⁺ , Ti ⁴⁺ , Sn ⁴⁺) solid solutions for NO removal by CO. <i>Catalysis Science and Technology</i> , 2013 , 3, 688-698	5.5	136
262	In Situ Loading Transition Metal Oxide Clusters on TiO ₂ Nanosheets As Co-catalysts for Exceptional High Photoactivity. <i>ACS Catalysis</i> , 2013 , 3, 2052-2061	13.1	135
261	Improved activity and significant SO ₂ tolerance of samarium modified CeO ₂ -TiO ₂ catalyst for NO selective catalytic reduction with NH ₃ . <i>Applied Catalysis B: Environmental</i> , 2019 , 244, 671-683	21.8	135
260	Advanced MnO _x /TiO ₂ Catalyst with Preferentially Exposed Anatase {001} Facet for Low-Temperature SCR of NO. <i>ACS Catalysis</i> , 2016 , 6, 5807-5815	13.1	132

259	Enhanced visible light photocatalytic hydrogen evolution via cubic CeO ₂ hybridized g-C ₃ N ₄ composite. <i>Applied Catalysis B: Environmental</i> , 2017 , 218, 51-59	21.8	129
258	Selective catalytic reduction of NO _x by NH ₃ over CeO ₂ supported on TiO ₂ : Comparison of anatase, brookite, and rutile. <i>Applied Catalysis B: Environmental</i> , 2017 , 208, 82-93	21.8	124
257	Insights into the Sm/Zr co-doping effects on N ₂ selectivity and SO ₂ resistance of a MnO _x -TiO ₂ catalyst for the NH ₃ -SCR reaction. <i>Chemical Engineering Journal</i> , 2018 , 347, 27-40	14.7	124
256	Confined small-sized cobalt catalysts stimulate carbon-chain growth reversely by modifying ASF law of Fischer-Tropsch synthesis. <i>Nature Communications</i> , 2018 , 9, 3250	17.4	124
255	Acid-Resistant Catalysis without Use of Noble Metals: Carbon Nitride with Underlying Nickel. <i>ACS Catalysis</i> , 2014 , 4, 2536-2543	13.1	114
254	Synergistic effects of Cu ₂ O-decorated CeO ₂ on photocatalytic CO ₂ reduction: Surface Lewis acid/base and oxygen defect. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 580-586	21.8	111
253	Dispersion, reduction and catalytic performance of CuO supported on ZrO ₂ -doped TiO ₂ for NO removal by CO. <i>Applied Catalysis B: Environmental</i> , 2011 , 103, 206-220	21.8	111
252	NO reduction by CO over CuO/CeO ₂ catalysts: effect of preparation methods. <i>Catalysis Science and Technology</i> , 2013 , 3, 1355	5.5	110
251	A comparative study of different doped metal cations on the reduction, adsorption and activity of CuO/Ce _{0.67} M _{0.33} O ₂ (M = Zr ⁴⁺ , Sn ⁴⁺ , Ti ⁴⁺) catalysts for NO + CO reaction. <i>Applied Catalysis B: Environmental</i> , 2013 , 130-131, 293-304	21.8	104
250	Influence of CO pretreatment on the activities of CuO/Al ₂ O ₃ catalysts in CO+O ₂ reaction. <i>Applied Catalysis B: Environmental</i> , 2008 , 79, 254-261	21.8	104
249	Crystal-plane-dependent metal oxide-support interaction in CeO ₂ /g-C ₃ N ₄ for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 111-118	21.8	99
248	Ultra-low loading of copper modified TiO ₂ /CeO ₂ catalysts for low-temperature selective catalytic reduction of NO by NH ₃ . <i>Applied Catalysis B: Environmental</i> , 2017 , 207, 366-375	21.8	98
247	Universal Surfactant-Free Strategy for Self-Standing 3D Tremella-Like Pd _M (M = Ag, Pb, and Au) Nanosheets for Superior Alcohols Electrocatalysis. <i>Advanced Functional Materials</i> , 2020 , 30, 2000255	15.6	98
246	In situ loading of ultra-small Cu ₂ O particles on TiO ₂ nanosheets to enhance the visible-light photoactivity. <i>Nanoscale</i> , 2012 , 4, 6351-9	7.7	98
245	In situ FT-infrared investigation of CO or/and NO interaction with CuO/Ce _{0.67} Zr _{0.33} O ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2009 , 90, 578-586	21.8	98
244	Influence of supports on the activities of copper oxide species in the low-temperature NO+CO reaction. <i>Applied Catalysis B: Environmental</i> , 2001 , 31, 61-69	21.8	98
243	Crystal-Plane Effects on the Catalytic Properties of Au/TiO ₂ . <i>ACS Catalysis</i> , 2013 , 3, 2768-2775	13.1	93
242	The remarkable enhancement of CO-pretreated CuO-Mn ₂ O ₃ /Al ₂ O ₃ supported catalyst for the reduction of NO with CO: the formation of surface synergetic oxygen vacancy. <i>Chemistry - A European Journal</i> , 2011 , 17, 5668-79	4.8	93

241	Chemically activated hydrochar as an effective adsorbent for volatile organic compounds (VOCs). <i>Chemosphere</i> , 2019 , 218, 680-686	8.4	93
240	Promotional effect of doping SnO ₂ into TiO ₂ over a CeO ₂ /TiO ₂ catalyst for selective catalytic reduction of NO by NH ₃ . <i>Catalysis Science and Technology</i> , 2015 , 5, 2188-2196	5.5	89
239	Enhancing the deNO performance of MnO /CeO ₂ -ZrO ₂ nanorod catalyst for low-temperature NH ₃ -SCR by TiO ₂ modification. <i>Chemical Engineering Journal</i> , 2019 , 369, 46-56	14.7	88
238	Efficient fabrication of active CuO-CeO ₂ /SBA-15 catalysts for preferential oxidation of CO by solid state impregnation. <i>Applied Catalysis B: Environmental</i> , 2014 , 146, 201-212	21.8	88
237	Influence of different supports on the physicochemical properties and denitration performance of the supported Mn-based catalysts for NH ₃ -SCR at low temperature. <i>Applied Surface Science</i> , 2017 , 402, 208-217	6.7	87
236	Sulfated Temperature Effects on the Catalytic Activity of CeO ₂ in NH ₃ -Selective Catalytic Reduction Conditions. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 1155-1163	3.8	87
235	Interfacial coupling effects in g-C ₃ N ₄ /SrTiO ₃ nanocomposites with enhanced H ₂ evolution under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2019 , 247, 1-9	21.8	84
234	Synthesis of sandwich-like TiO ₂ @C composite hollow spheres with high rate capability and stability for lithium-ion batteries. <i>Journal of Power Sources</i> , 2013 , 221, 141-148	8.9	84
233	Influence of CuO loading on dispersion and reduction behavior of CuO/TiO ₂ (anatase) system. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998 , 94, 1905-1909		83
232	Investigation of the NO removal by CO on CuO/CeO _x binary metal oxides supported on Ce _{0.67} Zr _{0.33} O ₂ . <i>Applied Catalysis B: Environmental</i> , 2009 , 90, 105-114	21.8	82
231	Mesoporous NiO/CeO ₂ catalysts for CO oxidation: Nickel content effect and mechanism aspect. <i>Applied Catalysis A: General</i> , 2015 , 494, 77-86	5.1	80
230	Activities of supported copper oxide catalysts in the NO+CO reaction at low temperatures. <i>Journal of Molecular Catalysis A</i> , 2000 , 162, 307-316		80
229	Shape-control of one-dimensional PtNi nanostructures as efficient electrocatalysts for alcohol electrooxidation. <i>Nanoscale</i> , 2019 , 11, 4831-4836	7.7	79
228	Studies on surface structure of MxOy/MoO ₃ /CeO ₂ system (M=Ni, Cu, Fe) and its influence on SCR of NO by NH ₃ . <i>Applied Catalysis B: Environmental</i> , 2010 , 95, 144-152	21.8	78
227	The states of vanadium species in V-SBA-15 synthesized under different pH values. <i>Microporous and Mesoporous Materials</i> , 2008 , 110, 508-516	5.3	77
226	Influence of preparation methods on the physicochemical properties and catalytic performance of MnO -CeO ₂ catalysts for NH ₃ -SCR at low temperature. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 146-159	11.3	76
225	Anion-Assisted Synthesis of TiO ₂ Nanocrystals with Tunable Crystal Forms and Crystal Facets and Their Photocatalytic Redox Activities in Organic Reactions. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 18578-18587	3.8	76
224	Engineering the TiO ₂ -graphene interface to enhance photocatalytic H ₂ production. <i>ChemSusChem</i> , 2014 , 7, 618-26	8.3	72

223	Morphology and nanosize effects of ceria from different precursors on the activity for NO reduction. <i>Catalysis Today</i> , 2011 , 175, 48-54	5.3	72
222	Synthesis, characterization and catalytic performance for phenol hydroxylation of Fe-MCM41 with high iron content. <i>Microporous and Mesoporous Materials</i> , 2008 , 113, 163-170	5.3	72
221	A new strategy to transform mono and bimetallic non-noble metal nanoparticles into highly active and chemoselective hydrogenation catalysts. <i>Journal of Catalysis</i> , 2017 , 350, 218-225	7.3	70
220	Enhanced low-temperature NH ₃ -SCR performance of MnO _x /CeO ₂ catalysts by optimal solvent effect. <i>Applied Surface Science</i> , 2017 , 420, 407-415	6.7	69
219	Precursor-mediated size tuning of monodisperse PtRh nanocubes as efficient electrocatalysts for ethylene glycol oxidation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7891-7896	13	67
218	Effect of CO-pretreatment on the CuO/V ₂ O ₅ /Al ₂ O ₃ catalyst for NO reduction by CO. <i>Catalysis Science and Technology</i> , 2014 , 4, 4416-4425	5.5	67
217	Efficient fabrication and photocatalytic properties of TiO ₂ hollow spheres. <i>Catalysis Communications</i> , 2009 , 10, 650-654	3.2	67
216	Study of the Properties of CuO/VO _x /Ti _{0.5} Sn _{0.5} O ₂ Catalysts and Their Activities in NO + CO Reaction. <i>ACS Catalysis</i> , 2011 , 1, 468-480	13.1	64
215	Self-template construction of Sub-24 nm Pd Ag hollow nanodendrites as highly efficient electrocatalysts for ethylene glycol oxidation. <i>Journal of Power Sources</i> , 2019 , 418, 186-192	8.9	63
214	Synthesis, characterization and catalytic performance of FeMnTiO _x mixed oxides catalyst prepared by a CTAB-assisted process for mid-low temperature NH ₃ -SCR. <i>Applied Catalysis A: General</i> , 2015 , 505, 235-242	5.1	63
213	Improved low temperature NH ₃ -SCR performance of FeMnTiO(x) mixed oxide with CTAB-assisted synthesis. <i>Chemical Communications</i> , 2015 , 51, 3470-3	5.8	63
212	Synthesis and characterization of self-assembling (NH ₄) _{0.5} V ₂ O ₅ nanowires. <i>Journal of Materials Chemistry</i> , 2004 , 14, 901		63
211	Controllable Synthesis of Pure-Phase Rare-Earth Orthoferrites Hollow Spheres with a Porous Shell and Their Catalytic Performance for the CO + NO Reaction. <i>Chemistry of Materials</i> , 2010 , 22, 4879-4889	9.6	62
210	Influence of impregnation times on the dispersion of CuO on anatase. <i>Journal of Molecular Catalysis A</i> , 2006 , 243, 24-30		61
209	Engineering the NiO/CeO ₂ interface to enhance the catalytic performance for CO oxidation. <i>RSC Advances</i> , 2015 , 5, 98335-98343	3.7	60
208	Synergistic effect between undercoordinated platinum atoms and defective nickel hydroxide on enhanced hydrogen evolution reaction in alkaline solution. <i>Nano Energy</i> , 2018 , 48, 590-599	17.1	60
207	Textural, structural, and morphological characterizations and catalytic activity of nanosized CeO ₂ -MO(x) (M=Mg(2+), Al(3+), Si(4+)) mixed oxides for CO oxidation. <i>Journal of Colloid and Interface Science</i> , 2011 , 354, 341-52	9.3	60
206	Preparation and photoluminescence of yttrium hydroxide and yttrium oxide doped with europium nanowires. <i>Journal of Crystal Growth</i> , 2005 , 277, 643-649	1.6	58

205	Fe-Mn/Al ₂ O ₃ catalysts for low temperature selective catalytic reduction of NO with NH ₃ . <i>Chinese Journal of Catalysis</i> , 2016 , 37, 1314-1323	11.3	57
204	Influence of molar ratio and calcination temperature on the properties of Ti _x Sn _{1-x} O ₂ supporting copper oxide for CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2016 , 180, 451-462	21.8	56
203	Effect of cobalt precursors on the dispersion, reduction, and CO oxidation of CoO(x)/Al ₂ O ₃ catalysts calcined in N ₂ . <i>Journal of Colloid and Interface Science</i> , 2011 , 355, 464-71	9.3	55
202	Mn-Modified CuO, CuFeO, and FeO Three-Phase Strong Synergistic Coexistence Catalyst System for NO Reduction by CO with a Wider Active Window. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40509-40522	9.5	54
201	Morphology and Crystal-Plane Effects of CeO ₂ on TiO ₂ /CeO ₂ Catalysts during NH ₃ -SCR Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 12407-12419	3.9	54
200	Synthesis, characterization, and catalytic performance of copper-containing SBA-15 in the phenol hydroxylation. <i>Journal of Colloid and Interface Science</i> , 2012 , 380, 16-24	9.3	53
199	Investigation of surface synergetic oxygen vacancy in CuO-CoO binary metal oxides supported on Al ₂ O ₃ for NO removal by CO. <i>Journal of Colloid and Interface Science</i> , 2013 , 390, 158-69	9.3	53
198	Acid pretreatment effect on the physicochemical property and catalytic performance of CeO ₂ for NH ₃ -SCR. <i>Applied Catalysis A: General</i> , 2017 , 542, 282-288	5.1	52
197	Characterization of copper oxide supported on ceria-modified anatase. <i>Journal of Molecular Catalysis A</i> , 2004 , 219, 155-164		51
196	Promotion effect of tungsten oxide on SCR of NO with NH ₃ for the V ₂ O ₅ W _{0.3} /Ti _{0.5} Sn _{0.5} O ₂ catalyst: Experiments combined with DFT calculations. <i>Journal of Molecular Catalysis A</i> , 2011 , 346, 29-38		50
195	Catalytic behaviors of CuO supported on Mn ₂ O ₃ modified Al ₂ O ₃ for NO reduction by CO. <i>Journal of Molecular Catalysis A</i> , 2010 , 332, 32-44		50
194	Effect of ZrO ₂ addition method on the activity of Al ₂ O ₃ -supported CuO for NO reduction with CO: Impregnation vs. coprecipitation. <i>Applied Catalysis A: General</i> , 2012 , 423-424, 42-51	5.1	49
193	Synthesis, characterization of bimetallic Ce-Fe-SBA-15 and its catalytic performance in the phenol hydroxylation. <i>Microporous and Mesoporous Materials</i> , 2008 , 113, 393-401	5.3	47
192	Effects of Ce/Zr ratio on the reducibility, adsorption and catalytic activity of CuO/Ce _x Zr _{1-x} O ₂ /Al ₂ O ₃ catalysts for NO reduction by CO. <i>Applied Catalysis B: Environmental</i> , 2010 , 96, 350-360	21.8	46
191	Crystal-plane effects on surface and catalytic properties of Cu ₂ O nanocrystals for NO reduction by CO. <i>Applied Catalysis A: General</i> , 2015 , 505, 334-343	5.1	44
190	Comparative study on the catalytic CO oxidation properties of CuO/CeO ₂ catalysts prepared by solid state and wet impregnation. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 1347-1358	11.3	44
189	Dispersion, reduction and catalytic properties of copper oxide supported on Ce _{0.5} Zr _{0.5} O ₂ solid solution. <i>Journal of Molecular Catalysis A</i> , 2006 , 255, 254-259		44
188	Effect of Ti ⁴⁺ and Sn ⁴⁺ co-incorporation on the catalytic performance of CeO ₂ -MnO _x catalyst for low temperature NH ₃ -SCR. <i>Applied Surface Science</i> , 2019 , 476, 283-292	6.7	44

187	Efficient fabrication of ZrO ₂ -doped TiO ₂ hollow nanospheres with enhanced photocatalytic activity of rhodamine B degradation. <i>Journal of Colloid and Interface Science</i> , 2011 , 364, 288-97	9.3	43
186	Dispersion and reduction of copper oxide supported on WO ₃ -modified Ce(0.5)Zr(0.5)O ₂ solid solution. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 3949-55	3.4	43
185	Influence of supports structure on the activity and adsorption behavior of copper-based catalysts for NO reduction. <i>Journal of Molecular Catalysis A</i> , 2010 , 327, 1-11		42
184	Universal strategies to multi-dimensional noble-metal-based catalysts for electrocatalysis. <i>Coordination Chemistry Reviews</i> , 2021 , 436, 213825	23.2	42
183	Pore Size Expansion Accelerates Ammonium Bisulfate Decomposition for Improved Sulfur Resistance in Low-Temperature NH-SCR. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4900-4907	9.5	40
182	Synergistic adsorption-photocatalysis processes of graphitic carbon nitrate (g-C ₃ N ₄) for contaminant removal: Kinetics, models, and mechanisms. <i>Chemical Engineering Journal</i> , 2019 , 375, 122019	14.7	40
181	Influence of CeO ₂ modification on the properties of Fe ₂ O ₃ /Ti _{0.5} Sn _{0.5} O ₂ catalyst for NO reduction by CO. <i>Catalysis Science and Technology</i> , 2014 , 4, 482-493	5.5	39
180	Tuning interaction between cobalt catalysts and nitrogen dopants in carbon nanospheres to promote Fischer-Tropsch synthesis. <i>Applied Catalysis B: Environmental</i> , 2019 , 248, 73-83	21.8	38
179	Distinguishing faceted oxide nanocrystals with O solid-state NMR spectroscopy. <i>Nature Communications</i> , 2017 , 8, 581	17.4	38
178	Effects of different manganese precursors as promoters on catalytic performance of CuO-MnOx/TiO ₂ catalysts for NO removal by CO. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 15996-6006	3.6	38
177	Influence of MnO ₂ modification methods on the catalytic performance of CuO/CeO ₂ for NO reduction by CO. <i>Journal of Rare Earths</i> , 2014 , 32, 131-138	3.7	38
176	Facile ball-milling synthesis of CeO ₂ /g-C ₃ N ₄ Z-scheme heterojunction for synergistic adsorption and photodegradation of methylene blue: Characteristics, kinetics, models, and mechanisms. <i>Chemical Engineering Journal</i> , 2021 , 420, 127719	14.7	38
175	Direct synthesis, characterization and catalytic performance of bimetallic FeMo-SBA-15 materials in selective catalytic reduction of NO with NH ₃ . <i>Microporous and Mesoporous Materials</i> , 2012 , 151, 44-55	5.3	37
174	Dispersion of NiO Supported on Al ₂ O ₃ and TiO ₂ /Al ₂ O ₃ Supports. <i>Journal of Solid State Chemistry</i> , 2001 , 157, 274-282	3.3	37
173	Effect of CO pretreatment on the performance of CuO/CeO ₂ /Al ₂ O ₃ catalysts in CO + O ₂ reactions. <i>Applied Catalysis A: General</i> , 2009 , 360, 26-32	5.1	36
172	Solid state preparation of NiO-CeO ₂ catalyst for NO reduction. <i>Catalysis Today</i> , 2017 , 281, 575-582	5.3	35
171	Facile Ball-Milling Synthesis of CuO/Biochar Nanocomposites for Efficient Removal of Reactive Red 120. <i>ACS Omega</i> , 2020 , 5, 5748-5755	3.9	35
170	Insight into the SO ₂ resistance mechanism on Fe ₂ O ₃ catalyst in NH ₃ -SCR reaction: A collaborated experimental and DFT study. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119544	21.8	35

169	Gas phase sulfation of ceria-zirconia solid solutions for generating highly efficient and SO resistant NH-SCR catalysts for NO removal. <i>Journal of Hazardous Materials</i> , 2020 , 388, 121729	12.8	34
168	Promotional effect of CO pretreatment on CuO/CeO ₂ catalyst for catalytic reduction of NO by CO. <i>Journal of Rare Earths</i> , 2014 , 32, 139-145	3.7	33
167	Crystal-Plane Effects of CeO ₂ {110} and CeO ₂ {100} on Photocatalytic CO ₂ Reduction: Synergistic Interactions of Oxygen Defects and Hydroxyl Groups. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 14397-14406	8.3	33
166	Facile construction of pompon-like PtAg alloy catalysts for enhanced ethylene glycol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 9644-9651	6.7	33
165	A Study on the Surface Properties of Ceria-Supported Tungsten and Copper Oxides. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 78-85	3.4	32
164	Catalytic reduction of NO by CO over B-site partially substituted LaM _{0.25} Co _{0.75} O ₃ (M = Cu, Mn, Fe) perovskite oxide catalysts: The correlation between physicochemical properties and catalytic performance. <i>Applied Catalysis A: General</i> , 2018 , 568, 43-53	5.1	32
163	Interactions among supported copper-based catalyst components and their effects on performance: A review. <i>Chinese Journal of Catalysis</i> , 2013 , 34, 851-864	11.3	31
162	Influence of preparation method on the catalytic activities of CuO/Ce _{0.67} Zr _{0.33} O ₂ catalysts in CO + O ₂ reaction. <i>Applied Catalysis B: Environmental</i> , 2010 , 96, 449-457	21.8	31
161	Mesoporous ceria/zirconia/alumina nanocomposite-supported copper as a superior catalyst for simultaneous catalytic elimination of NO _x . <i>Catalysis Communications</i> , 2011 , 12, 1311-1317	3.2	30
160	Effect of MnO(x) modification on the activity and adsorption of CuO/Ce(0.67)Zr(0.33)O(2) catalyst for NO reduction. <i>Journal of Colloid and Interface Science</i> , 2010 , 349, 246-55	9.3	30
159	Effect of precursors on the structure and activity of CuO-CoO/Al ₂ O ₃ catalysts for NO reduction by CO. <i>Journal of Colloid and Interface Science</i> , 2018 , 509, 334-345	9.3	29
158	Research progress on the catalytic elimination of atmospheric molecular contaminants over supported metal-oxide catalysts. <i>Catalysis Science and Technology</i> , 2014 , 4, 2814	5.5	29
157	Novel MnO -CeO ₂ nanosphere catalyst for low-temperature NH ₃ -SCR. <i>Catalysis Communications</i> , 2017 , 100, 98-102	3.2	28
156	Surface structure characteristics of CuO/Ti _{0.5} Sn _{0.5} O ₂ and its activity for CO oxidation. <i>Journal of Molecular Catalysis A</i> , 2012 , 365, 87-94		28
155	Effect of titania structure on the properties of its supported copper oxide catalysts. <i>Journal of Colloid and Interface Science</i> , 2011 , 357, 497-503	9.3	28
154	Dispersion and reduction behavior of CuO/Fe ₂ O ₃ systems. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998 , 94, 3033-3038		28
153	Investigation of Two-Phase Intergrowth and Coexistence in Mn/Ce/Ti Catalysts for the Selective Catalytic Reduction of NO with NH ₃ : Structure-Activity Relationship and Reaction Mechanism. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 849-862	3.9	28
152	Improving the dispersion of CeO ₂ on Al ₂ O ₃ to enhance the catalytic performances of CuO/CeO ₂ /Al ₂ O ₃ catalysts for NO removal by CO. <i>Catalysis Communications</i> , 2014 , 51, 95-99	3.2	27

151	The dispersion of molybdena on ceria. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996 , 92, 4589		27
150	Controlling Dynamic Structural Transformation of Atomically Dispersed CuOx Species and Influence on Their Catalytic Performances. <i>ACS Catalysis</i> , 2019 , 9, 9840-9851	13.1	26
149	Investigation of the physicochemical properties of CuO-CoO binary metal oxides supported on γ -Al ₂ O ₃ and their activity for NO removal by CO. <i>Journal of Colloid and Interface Science</i> , 2012 , 372, 63-72	9.3	26
148	Surface structure and catalytic properties of MoO ₃ /CeO ₂ and CuO/MoO ₃ /CeO ₂ . <i>Journal of Colloid and Interface Science</i> , 2011 , 364, 435-42	9.3	26
147	Improving the denitration performance and K-poisoning resistance of the V ₂ O ₅ -WO ₃ /TiO ₂ catalyst by Ce ⁴⁺ and Zr ⁴⁺ co-doping. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 95-104	11.3	26
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