Junhua Li

List of Publications by Citations

284 papers	18,304 citations	75 h-index	126 g-index
299 ext. papers	22,403 ext. citations	9.5 avg, IF	7.23 L-index

#	Paper	IF	Citations
284	Low-temperature selective catalytic reduction of NOx with NH3 over metal oxide and zeolite catalysts□A review. *Catalysis Today*, **2011**, 175, 147-156	5.3	699
283	Drivers of improved PM air quality in China from 2013 to 2017. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 24463-24469	11.5	578
282	DRIFT study on cerium-tungsten/titania catalyst for selective catalytic reduction of NOx with NH3. *Environmental Science & Technology*, **2010**, 44, 9590-6	10.3	532
281	Promotional Effect of Ce-doped V2O5-WO3/TiO2 with Low Vanadium Loadings for Selective Catalytic Reduction of NOx by NH3. *Journal of Physical Chemistry C*, **2009**, 113, 21177-21184	3.8	380
280	Low temperature selective catalytic reduction of NO with NH3 over Mn□e spinel: Performance, mechanism and kinetic study. *Applied Catalysis B: Environmental*, **2011**, 110, 71-80	21.8	344
279	Comparison of the performance for oxidation of formaldehyde on nano-Co3O4, 2D-Co3O4, and 3D-Co3O4 catalysts. *Applied Catalysis B: Environmental*, **2013**, 142-143, 677-683	21.8	316
278	Improvement of activity and SO□tolerance of Sn-modified MnOx-CeO□catalysts for NH□SCR at low temperatures. *Environmental Science & Technology*, **2013**, 47, 5294-301	10.3	307
277	Promoting effect of MoO3 on the NOx reduction by NH3 over CeO2/TiO2 catalyst studied with in situ DRIFTS. *Applied Catalysis B: Environmental*, **2014**, 144, 90-95	21.8	297
276	Novel Mn-Ce-Ti mixed-oxide catalyst for the selective catalytic reduction of NOx with NH□*ACS Applied Materials & Interfaces*, **2014**, 6, 14500-8	9.5	295
275	The poisoning effect of alkali metals doping over nano V2O5□WO3/TiO2 catalysts on selective catalytic reduction of NOx by NH3. *Chemical Engineering Journal*, **2011**, 170, 531-537	14.7	280
274	Enhanced activity of tungsten modified CeO2/TiO2 for selective catalytic reduction of NOx with ammonia. *Catalysis Today*, **2010**, 153, 77-83	5.3	274
273	Positive Effects of K+ Ions on Three-Dimensional Mesoporous Ag/Co3O4 Catalyst for HCHO Oxidation. *ACS Catalysis*, **2014**, 4, 2753-2762	13.1	260
272	Characterization of commercial Cu-SSZ-13 and Cu-SAPO-34 catalysts with hydrothermal treatment for NH3-SCR of NOx in diesel exhaust. *Chemical Engineering Journal*, **2013**, 225, 323-330	14.7	239
271	Novel effect of SO2 on the SCR reaction over CeO2: Mechanism and significance. *Applied Catalysis B: Environmental*, **2013**, 136-137, 19-28	21.8	236
270	Identification of the active sites on CeO2□WO3 catalysts for SCR of NOx with NH3: An in situ IR and Raman spectroscopy study. *Applied Catalysis B: Environmental*, **2013**, 140-141, 483-492	21.8	229
269	In situ DRIFTS and temperature-programmed technology study on NH3-SCR of NOx over Cu-SSZ-13 and Cu-SAPO-34 catalysts. *Applied Catalysis B: Environmental*, **2014**, 156-157, 428-437	21.8	227
268	Catalytically active single-atom sites fabricated from silver particles. *Angewandte Chemie - International Edition*, **2012**, 51, 4198-203	16.4	224

267	Origination of N2O from NO reduction by NH3 over MnO2 and Mn2O3. *Applied Catalysis B: Environmental*, **2010**, 99, 156-162	21.8	215
266	Low temperature selective catalytic reduction of NO with NH3 over amorphous MnO catalysts prepared by three methods. *Catalysis Communications*, **2007**, 8, 329-334	3.2	208
265	Enhancement of activity and sulfur resistance of CeO2 supported on TiO2-SiO2 for the selective catalytic reduction of NO by NH3. *Environmental Science & Technology*, **2012**, 46, 6182-9	10.3	203
264	Relationship between structure and performance of a novel cerium-niobium binary oxide catalyst for selective catalytic reduction of NO with NH3. *Applied Catalysis B: Environmental*, **2013**, 142-143, 290-297	21.8	200
263	Hierarchical CoreShell Al2O3@Pd-CoAlO Microspheres for Low-Temperature Toluene Combustion. *ACS Catalysis*, **2016**, 6, 3433-3441	13.1	188
262	A Facile Method for in Situ Preparation of the MnO2/LaMnO3 Catalyst for the Removal of Toluene. *Environmental Science & Technology*, **2016**, 50, 4572-8	10.3	184
261	Alkali metal poisoning of a CeO2-WO3 catalyst used in the selective catalytic reduction of NOx with NH3: an experimental and theoretical study. *Environmental Science & Technology*, **2012**, 46, 2864-9	10.3	173
260	Removal of Antimonite (Sb(III)) and Antimonate (Sb(V)) from Aqueous Solution Using Carbon Nanofibers That Are Decorated with Zirconium Oxide (ZrO2). *Environmental Science & Technology*, **2015**, 49, 11115-24	10.3	168
259	Effects of precursors on the surface Mn species and the activities for NO reduction over MnO /TiO2 catalysts. *Catalysis Communications*, **2007**, 8, 1896-1900	3.2	166
258	Novel V2O5CeO2/TiO2 catalyst with low vanadium loading for the selective catalytic reduction of NOx by NH3. *Applied Catalysis B: Environmental*, **2014**, 158-159, 11-19	21.8	165
257	Recent Advances in Catalysts for Methane Combustion. *Catalysis Surveys From Asia*, **2015**, 19, 140-171	2.8	162
256	Comparative study of and MnO2 on toluene oxidation: Oxygen vacancies and reaction intermediates. *Applied Catalysis B: Environmental*, **2020**, 260, 118150	21.8	161
255	Mechanism of N2O formation during the low-temperature selective catalytic reduction of NO with NH3 over Mn-Fe spinel. *Environmental Science & Technology*, **2014**, 48, 10354-62	10.3	159
254	Three-dimensionally ordered macroporous La0.6Sr0.4MnO3 with high surface areas: Active catalysts for the combustion of methane. *Journal of Catalysis*, **2013**, 307, 327-339	7.3	157
253	A superior catalyst with dual redox cycles for the selective reduction of NO(x) by ammonia. *Chemical Communications*, **2013**, 49, 7726-8	5.8	155
252	FeTi spinel for the selective catalytic reduction of NO with NH3: Mechanism and structureactivity relationship. *Applied Catalysis B: Environmental*, **2012**, 117-118, 73-80	21.8	153
251	New Insight into SO Poisoning and Regeneration of CeO-WO/TiO and VO-WO/TiO Catalysts for Low-Temperature NH-SCR. *Environmental Science & Technology*, **2018**, 52, 7064-7071	10.3	150
250	PdCo based spinel oxides derived from pd nanoparticles immobilized on layered double hydroxides for toluene combustion. *Applied Catalysis B: Environmental*, **2016**, 181, 236-248	21.8	145

249	MnO supported on Fe□Ti spinel: A novel Mn based low temperature SCR catalyst with a high N2 selectivity. *Applied Catalysis B: Environmental*, **2016**, 181, 570-580	21.8	144
248	Low-temperature SCR of NO with NH3 over AC/C supported manganese-based monolithic catalysts. *Catalysis Today*, **2007**, 126, 406-411	5.3	144
247	Dispersion of tungsten oxide on SCR performance of V2O5WO3/TiO2: Acidity, surface species and catalytic activity. *Chemical Engineering Journal*, **2013**, 225, 520-527	14.7	143
246	Effect of Sn on MnO□CeO2 catalyst for SCR of NO by ammonia: Enhancement of activity and remarkable resistance to SO2. *Catalysis Communications*, **2012**, 27, 54-57	3.2	137
245	Deactivation and regeneration of a commercial SCR catalyst: Comparison with alkali metals and arsenic. *Applied Catalysis B: Environmental*, **2015**, 168-169, 195-202	21.8	134
244	Effects of precursor and sulfation on OMS-2 catalyst for oxidation of ethanol and acetaldehyde at low temperatures. *Environmental Science & Technology*, **2010**, 44, 4282-7	10.3	128
243	Selective Dissolution of A-Site Cations in ABO3 Perovskites: A New Path to High-Performance Catalysts. *Angewandte Chemie - International Edition*, **2015**, 54, 7954-7	16.4	125
242	Removal of gaseous elemental mercury over a CeO2□WO3/TiO2 nanocomposite in simulated coal-fired flue gas. *Chemical Engineering Journal*, **2011**, 170, 512-517	14.7	124
241	Progress in research on catalysts for catalytic oxidation of formaldehyde. *Chinese Journal of Catalysis*, **2016**, 37, 102-122	11.3	123
240	CeO2□WO3 Mixed Oxides for the Selective Catalytic Reduction of NO x by NH3 Over a Wide Temperature Range. *Catalysis Letters*, **2011**, 141, 1859-1864	2.8	123
239	Activity enhancement of WO 3 modified Fe 2 O 3 catalyst for the selective catalytic reduction of NO x by NH 3. *Chemical Engineering Journal*, **2016**, 299, 255-262	14.7	121
238	Deactivation mechanism of potassium on the V□/CeO□catalysts for SCR reaction: acidity, reducibility and adsorbed-NOx. *Environmental Science & Technology*, **2014**, 48, 4515-20	10.3	120
237	Structure□ctivity relationship of VOx/CeO2 nanorod for NO removal with ammonia. *Applied Catalysis B: Environmental*, **2014**, 144, 538-546	21.8	118
236	A high-efficiency □MnO2-like catalyst in toluene combustion. *Chemical Communications*, **2015**, 51, 14977-80	5.8	115
235	Mechanism of arsenic poisoning on SCR catalyst of CeW/Ti and its novel efficient regeneration method with hydrogen. *Applied Catalysis B: Environmental*, **2016**, 184, 246-257	21.8	111
234	Three-Dimensional Ordered Mesoporous MnO2-Supported Ag Nanoparticles for Catalytic Removal of Formaldehyde. *Environmental Science & Technology*, **2016**, 50, 2635-40	10.3	110
233	Recent advances in the selective catalytic reduction of NOx by hydrogen in the presence of oxygen. *Energy and Environmental Science*, **2012**, 5, 8799	35.4	109
232	Catalytic Performance, Characterization, and Mechanism Study of Fe2(SO4)3/TiO2 Catalyst for Selective Catalytic Reduction of NOx by Ammonia. *Journal of Physical Chemistry C*, **2011**, 115, 7603-7612	3.8	107

231	A novel Ce□a mixed oxide catalyst for the selective catalytic reduction of NOx with NH3. *Applied Catalysis B: Environmental*, **2015**, 176-177, 338-346	21.8	104
230	The relationship between structure and activity of MoO3-CeO2 catalysts for NO removal: influences of acidity and reducibility. *Chemical Communications*, **2013**, 49, 6215-7	5.8	104
229	Mechanism of propene poisoning on Fe-ZSM-5 for selective catalytic reduction of NO(x) with ammonia. *Environmental Science & Technology*, **2010**, 44, 1799-805	10.3	104
228	Shape dependence and sulfate promotion of CeO2 for selective catalytic reduction of NO with NH3. *Applied Catalysis B: Environmental*, **2018**, 232, 246-259	21.8	103
227	Design strategies for development of SCR catalyst: improvement of alkali poisoning resistance and novel regeneration method. *Environmental Science & Technology*, **2012**, 46, 12623-9	10.3	101
226	The effect of SiO2 on a novel CeO2□WO3/TiO2 catalyst for the selective catalytic reduction of NO with NH3. *Applied Catalysis B: Environmental*, **2013**, 140-141, 276-282	21.8	94
225	Improvement of the Activity of □Fe2O3 for the Selective Catalytic Reduction of NO with NH3 at High Temperatures: NO Reduction versus NH3 Oxidization. *Industrial & Engineering Chemistry Research*, **2013**, 52, 5601-5610	3.9	93
224	Novel nanowire self-assembled hierarchical CeO2 microspheres for low temperature toluene catalytic combustion. *Chemical Engineering Journal*, **2018**, 331, 425-434	14.7	89
223	Ammonia adsorption on graphene and graphene oxide: a first-principles study. *Frontiers of Environmental Science and Engineering*, **2013**, 7, 403-411	5.8	89
222	Catalytically Active Single-Atom Sites Fabricated from Silver Particles. *Angewandte Chemie*, **2012**, 124, 4274-4279	3.6	89
221	Comparison of MoO3 and WO3 on arsenic poisoning V2O5/TiO2 catalyst: DRIFTS and DFT study. *Applied Catalysis B: Environmental*, **2016**, 181, 692-698	21.8	86
220	Improvement of catalytic activity and sulfur-resistance of Ag/TiO2□Al2O3 for NO reduction with propene under lean burn conditions. *Applied Catalysis B: Environmental*, **2008**, 80, 202-213	21.8	84
219	Low temperature complete combustion of methane over cobalt chromium oxides catalysts. *Catalysis Today*, **2013**, 201, 12-18	5.3	82
218	Substitution of WO3 in V2O5/WO3□TiO2 by Fe2O3 for selective catalytic reduction of NO with NH3. *Catalysis Science and Technology*, **2013**, 3, 161-168	5.5	81
217	Investigation of the Poisoning Mechanism of Lead on the CeO2-WO3 Catalyst for the NH3-SCR Reaction via in Situ IR and Raman Spectroscopy Measurement. *Environmental Science & Technology*, **2016**, 50, 9576-82	10.3	81
216	Ge, Mn-doped CeO2□WO3 catalysts for NH3□SCR of NOx: Effects of SO2 and H2 regeneration. *Catalysis Today*, **2013**, 201, 139-144	5.3	80
215	Surface Tuning of La0.5Sr0.5CoO3 Perovskite Catalysts by Acetic Acid for NOx Storage and Reduction. *Environmental Science & Technology*, **2016**, 50, 6442-8	10.3	80
214	Chemical poison and regeneration of SCR catalysts for NO x removal from stationary sources. *Frontiers of Environmental Science and Engineering*, **2016**, 10, 413-427	5.8	79

213	Template-free Scalable Synthesis of Flower-like Co3-xMnxO4 Spinel Catalysts for Toluene Oxidation. *ChemCatChem*, **2018**, 10, 3429-3434	5.2	79
212	Insight into deactivation of commercial SCR catalyst by arsenic: an experiment and DFT study. *Environmental Science & Technology*, **2014**, 48, 13895-900	10.3	79
211	Low content of CoOx supported on nanocrystalline CeO2 for toluene combustion: The importance of interfaces between active sites and supports. *Applied Catalysis B: Environmental*, **2019**, 240, 329-336	21.8	78
210	Mechanism of Selective Catalytic Reduction of NOx with NH3 over CeO2-WO3 Catalysts. *Chinese Journal of Catalysis*, **2011**, 32, 836-841	11.3	75
209	N2 Selectivity of NO Reduction by NH3 over MnOx□CeO2: Mechanism and Key Factors. *Journal of Physical Chemistry C*, **2014**, 118, 21500-21508	3.8	74
208	Synthesis, characterization and catalytic activities of vanadium□ryptomelane manganese oxides in low-temperature NO reduction with NH3. *Applied Catalysis A: General*, **2011**, 393, 323-330	5.1	73
207	Competition of selective catalytic reduction and non selective catalytic reduction over MnOx/TiO2 for NO removal: the relationship between gaseous NO concentration and N2O selectivity. *Catalysis Science and Technology*, **2014**, 4, 224-232	5.5	71
206	Three-Dimensionally Ordered Macroporous La0.6Sr0.4MnO3 Supported Ag Nanoparticles for the Combustion of Methane. *Journal of Physical Chemistry C*, **2014**, 118, 14913-14928	3.8	70
205	Comparison on the Performance of □Fe2O3 and □Fe2O3 for Selective Catalytic Reduction of Nitrogen Oxides with Ammonia. *Catalysis Letters*, **2013**, 143, 697-704	2.8	69
204	Novel MoO3/CeO2□rO2 catalyst for the selective catalytic reduction of NOx by NH3. *Catalysis Communications*, **2015**, 65, 51-54	3.2	68
203	Regeneration of Commercial SCR Catalysts: Probing the Existing Forms of Arsenic Oxide. *Environmental Science & Technology*, **2015**, 49, 9971-8	10.3	67
202	Ceria promotion on the potassium resistance of MnOx/TiO2 SCR catalysts: An experimental and DFT study. *Chemical Engineering Journal*, **2015**, 269, 44-50	14.7	66
201	Excellent Activity and Selectivity of One-Pot Synthesized Cu-SSZ-13 Catalyst in the Selective Catalytic Oxidation of Ammonia to Nitrogen. *Environmental Science & Technology*, **2018**, 52, 4802-4808	10.3	65
200	OMS-2 Catalysts for Formaldehyde Oxidation: Effects of Ce and Pt on Structure and Performance of the Catalysts. *Catalysis Letters*, **2009**, 131, 500-505	2.8	65
199	Comparison of preparation methods for ceria catalyst and the effect of surface and bulk sulfates on its activity toward NH3-SCR. *Journal of Hazardous Materials*, **2013**, 262, 782-8	12.8	64
198	Facile surface improvement method for LaCoO3 for toluene oxidation. *Catalysis Science and Technology*, **2018**, 8, 3166-3173	5.5	64
197	Using Transient FTIR Spectroscopy to Probe Active Sites and Reaction Intermediates for Selective Catalytic Reduction of NO on Cu/SSZ-13 Catalysts. *ACS Catalysis*, **2019**, 9, 6137-6145	13.1	63
196	Design Strategies for CeO2-MoO3 Catalysts for DeNOx and Hg(0) Oxidation in the Presence of HCl: The Significance of the Surface Acid-Base Properties. *Environmental Science & Technology*, **2015**, 49, 12388-94	10.3	63

195	Design strategies for P-containing fuels adaptable CeO2-MoO3 catalysts for DeNO(x): significance of phosphorus resistance and N2 selectivity. *Environmental Science & Technology*, **2013**, 47, 11692-9	10.3	62
194	Air pollution and its control in China. *Frontiers of Environmental Science and Engineering in China*, **2007**, 1, 129-142		62
193	Roles of Oxygen Vacancies in the Bulk and Surface of CeO for Toluene Catalytic Combustion. *Environmental Science & Technology*, **2020**, 54, 12684-12692	10.3	62
192	Identification of active sites and reaction mechanism on low-temperature SCR activity over Cu-SSZ-13 catalysts prepared by different methods. *Catalysis Science and Technology*, **2016**, 6, 6294-6304	5.5	62
191	Reaction pathway investigation on the selective catalytic reduction of NO with NH3 over Cu/SSZ-13 at low temperatures. *Environmental Science & Technology*, **2015**, 49, 467-73	10.3	61
190	Impacts of Pb and SO Poisoning on CeO-WO/TiO-SiO SCR Catalyst. *Environmental Science & Technology*, **2017**, 51, 11943-11949	10.3	61
189	Role of Lattice Oxygen and Lewis Acid on Ethanol Oxidation over OMS-2 Catalyst. *Journal of Physical Chemistry C*, **2010**, 114, 10544-10550	3.8	61
188	High calcium resistance of CeO2–WO3 SCR catalysts: Structure investigation and deactivation analysis. *Chemical Engineering Journal*, **2017**, 317, 70-79	14.7	59
187	Ce-Sn binary oxide catalyst for the selective catalytic reduction of NOx by NH3. *Applied Surface Science*, **2018**, 428, 526-533	6.7	59
186	Correlation of the changes in the framework and active Cu sites for typical Cu/CHA zeolites (SSZ-13 and SAPO-34) during hydrothermal aging. *Physical Chemistry Chemical Physics*, **2015**, 17, 29142-9	3.6	58
185	Enhanced low-temperature activity of LaMnO3 for toluene oxidation: The effect of treatment with an acidic KMnO4. *Chemical Engineering Journal*, **2019**, 366, 92-99	14.7	57
184	Different exposed facets VO /CeO2 catalysts for the selective catalytic reduction of NO with NH3. *Chemical Engineering Journal*, **2018**, 349, 184-191	14.7	57
183	Highly active and stable interface derived from Pt supported on Ni/Fe layered double oxides for HCHO oxidation. *Catalysis Science and Technology*, **2017**, 7, 1573-1580	5.5	56
182	Identification of the arsenic resistance on MoO3 doped CeO2/TiO2 catalyst for selective catalytic reduction of NOx with ammonia. *Journal of Hazardous Materials*, **2016**, 318, 615-622	12.8	56
181	Deactivation performance and mechanism of alkali (earth) metals on V2O5–WO3/TiO2 catalyst for oxidation of gaseous elemental mercury in simulated coal-fired flue gas. *Catalysis Today*, **2011**, 175, 189-195	5.3	56
180	Selective catalytic reduction of NO with NH3 over novel iron–tungsten mixed oxide catalyst in a broad temperature range. *Catalysis Science and Technology*, **2015**, 5, 4556-4564	5.5	55
179	Structural effects of iron spinel oxides doped with Mn, Co, Ni and Zn on selective catalytic reduction of NO with NH3. *Journal of Molecular Catalysis A*, **2013**, 376, 13-21		54
178	Manganese doped CeO2–WO3 catalysts for the selective catalytic reduction of NO with NH3: An experimental and theoretical study. *Catalysis Communications*, **2012**, 19, 127-131	3.2	54

177	Characterization of CeO2WO3 catalysts prepared by different methods for selective catalytic reduction of NO with NH3. *Catalysis Communications*, **2013**, 40, 145-148	3.2	53
176	Deactivation Mechanism of Multipoisons in Cement Furnace Flue Gas on Selective Catalytic Reduction Catalysts. *Environmental Science & Technology*, **2019**, 53, 6937-6944	10.3	52
175	Synthesis of three-dimensional ordered mesoporous MnO2 and its catalytic performance in formaldehyde oxidation. *Chinese Journal of Catalysis*, **2016**, 37, 27-31	11.3	51
174	High activity and wide temperature window of Fe-Cu-SSZ-13 in the selective catalytic reduction of NO with ammonia. *AICHE Journal*, **2015**, 61, 3825-3837	3.6	51
173	Interaction of phosphorus with a FeTiOx catalyst for selective catalytic reduction of NOx with NH3: Influence on surface acidity and SCR mechanism. *Chemical Engineering Journal*, **2018**, 347, 173-183	14.7	49
172	Performance of Modified La SrMnO Perovskite Catalysts for NH Oxidation: TPD, DFT, and Kinetic Studies. *Environmental Science & Technology*, **2018**, 52, 7443-7449	10.3	49
171	Catalytic combustion of methane over cerium-doped cobalt chromite catalysts. *Catalysis Today*, **2011**, 175, 216-222	5.3	49
170	Ultra hydrothermal stability of CeO2-WO3/TiO2 for NH3-SCR of NO compared to traditional V2O5-WO3/TiO2 catalyst. *Catalysis Today*, **2015**, 258, 11-16	5.3	48
169	Controllable redox-induced in-situ growth of MnO2 over Mn2O3 for toluene oxidation: Active heterostructure interfaces. *Applied Catalysis B: Environmental*, **2020**, 278, 119279	21.8	48
168	Sodium-promoted Ag/CeO2 nanospheres for catalytic oxidation of formaldehyde. *Chemical Engineering Journal*, **2018**, 350, 419-428	14.7	48
167	MnO -CeO2 supported on Cu-SSZ-13: A novel SCR catalyst in a wide temperature range. *Applied Catalysis A: General*, **2017**, 547, 146-154	5.1	48
166	Extraordinary Deactivation Offset Effect of Arsenic and Calcium on CeO-WO SCR Catalysts. *Environmental Science & Technology*, **2018**, 52, 8578-8587	10.3	47
165	A novel mechanism for poisoning of metal oxide SCR catalysts: base-acid explanation correlated with redox properties. *Chemical Communications*, **2014**, 50, 10031-4	5.8	47
164	A novel magnetic FeTiV spinel catalyst for the selective catalytic reduction of NO with NH3 in a broad temperature range. *Catalysis Science and Technology*, **2012**, 2, 915	5.5	47
163	Novel promoting effect of SO2 on the selective catalytic reduction of NO by ammonia over Co3O4 catalyst. *Catalysis Communications*, **2007**, 8, 2096-2099	3.2	46
162	Promoter rather than Inhibitor: Phosphorus Incorporation Accelerates the Activity of V2O5WO3/TiO2 Catalyst for Selective Catalytic Reduction of NOx by NH3. *ACS Catalysis*, **2020**, 10, 2747-2753	13.1	45
161	An experimental and DFT study of the adsorption and oxidation of NH3 on a CeO2 catalyst modified by Fe, Mn, La and Y. *Catalysis Today*, **2015**, 242, 300-307	5.3	44
160	The role of the Cu dopant on a Mn3O4 spinel SCR catalyst: Improvement of low-temperature activity and sulfur resistance. *Chemical Engineering Journal*, **2020**, 387, 124090	14.7	44

159	Promotional mechanism of tungstation on selective catalytic reduction of NOx by methane over In/WO3/ZrO2. *Applied Catalysis B: Environmental*, **2009**, 91, 123-134	21.8	44
158	Experimental and DFT studies on Sr-doped LaMnO3 catalysts for NOx storage and reduction. *Catalysis Science and Technology*, **2015**, 5, 2478-2485	5.5	43
157	Effects of noble metals doped on mesoporous LaAlNi mixed oxide catalyst and identification of carbon deposit for reforming CH4 with CO2. *Journal of Chemical Technology and Biotechnology*, **2014**, 89, 372-381	3.5	43
156	Comparison of the Structures and Mechanism of Arsenic Deactivation of CeO2–MoO3 and CeO2–WO3 SCR Catalysts. *Journal of Physical Chemistry C*, **2016**, 120, 18005-18014	3.8	43
155	NH3-SCR performance of WO3 blanketed CeO2 with different morphology: Balance of surface reducibility and acidity. *Catalysis Today*, **2019**, 332, 42-48	5.3	41
154	Distinguished Roles with Various Vanadium Loadings Of CoCr2−xVxO4 (x = 0–0.20) for Methane Combustion. *Journal of Physical Chemistry C*, **2011**, 115, 17400-17408	3.8	41
153	Knowledge and know-how in improving the sulfur tolerance of deNOx catalysts. *Catalysis Today*, **2010**, 153, 95-102	5.3	41
152	Relations between iron sites and performance of Fe/HBEA catalysts prepared by two different methods for NH3-SCR. *Chemical Engineering Journal*, **2012**, 209, 652-660	14.7	40
151	Influence of calcination temperature on Fe/HBEA catalyst for the selective catalytic reduction of NOx with NH3. *Catalysis Today*, **2012**, 184, 145-152	5.3	40
150	The activity and characterization of sol–gel Sn/Al2O3 catalyst for selective catalytic reduction of NOx in the presence of oxygen. *Catalysis Today*, **2004**, 90, 215-221	5.3	39
149	Enhancement of N2O decomposition performance by N2O pretreatment over Ce-Co-O catalyst. *Chemical Engineering Journal*, **2018**, 347, 184-192	14.7	38
148	Identification of sulfate species and their influence on SCR performance of Cu/CHA catalyst. *Catalysis Science and Technology*, **2017**, 7, 1523-1528	5.5	37
147	Dechlorination of chlorobenzene on vanadium-based catalysts for low-temperature SCR. *Chemical Communications*, **2018**, 54, 2032-2035	5.8	37
146	Studies on toluene adsorption performance and hydrophobic property in phenyl functionalized KIT-6. *Chemical Engineering Journal*, **2018**, 334, 191-197	14.7	37
145	Complete combustion of methane over indium tin oxides catalysts. *Environmental Science & Technology*, **2006**, 40, 6455-9	10.3	37
144	Bridging the reaction route of toluene total oxidation and the structure of ordered mesoporous Co 3 O 4 : The roles of surface sodium and adsorbed oxygen. *Catalysis Today*, **2017**, 297, 173-181	5.3	36
143	The deactivation mechanism of toluene on MnOx-CeO2 SCR catalyst. *Applied Catalysis B: Environmental*, **2020**, 277, 119257	21.8	36
142	Non-thermal plasma-assisted catalytic NOx storage over Pt/Ba/Al2O3 at low temperatures. *Applied Catalysis B: Environmental*, **2009**, 90, 360-367	21.8	36

141	Effects of anaerobic SO2 treatment on nano-CeO2 of different morphologies for selective catalytic reduction of NOx with NH3. *Chemical Engineering Journal*, **2020**, 382, 122910	14.7	36
140	Identification of the reaction pathway and reactive species for the selective catalytic reduction of NO with NH3 over cerium–niobium oxide catalysts. *Catalysis Science and Technology*, **2016**, 6, 2136-2142	5.5	35
139	Synergistic Promotion Effect between NO and Chlorobenzene Removal on MnO -CeO Catalyst. *ACS Applied Materials & Interfaces*, **2018**, 10, 30426-30432	9.5	35
138	Multipollutant Control (MPC) of Flue Gas from Stationary Sources Using SCR Technology: A Critical Review. *Environmental Science & Technology*, **2021**, 55, 2743-2766	10.3	34
137	Dual Effect of Sulfation on the Selective Catalytic Reduction of NO with NH3 over MnOx/TiO2: Key Factor of NH3 Distribution. *Industrial & Engineering Chemistry Research*, **2014**, 53, 5810-5819	3.9	32
136	The abatement of major pollutants in air and water by environmental catalysis. *Frontiers of Environmental Science and Engineering*, **2013**, 7, 302-325	5.8	31
135	The relationship between surface open cells of β-MnO2 and CO oxidation ability from a surface point of view. *Journal of Materials Chemistry A*, **2017**, 5, 20911-20921	13	31
134	Engineering surface functional groups on mesoporous silica: towards a humidity-resistant hydrophobic adsorbent. *Journal of Materials Chemistry A*, **2018**, 6, 13769-13777	13	31
133	Sn-doped rutile TiO2 for vanadyl catalysts: Improvements on activity and stability in SCR reaction. *Applied Catalysis B: Environmental*, **2020**, 269, 118797	21.8	30
132	NO x Storage at Low Temperature over MnO x –SnO2 Binary Metal Oxide Prepared Through Different Hydrothermal Process. *Catalysis Letters*, **2009**, 127, 107-112	2.8	29
131	Construction and characterization of an atmospheric simulation smog chamber. *Advances in Atmospheric Sciences*, **2007**, 24, 250-258	2.9	29
130	Performance and Mechanism of Photocatalytic Toluene Degradation and Catalyst Regeneration by Thermal/UV Treatment. *Environmental Science & Technology*, **2020**, 54, 14465-14473	10.3	29
129	The promoting effects of amorphous CePO 4 species on phosphorus-doped CeO 2 /TiO 2 catalysts for selective catalytic reduction of NO x by NH 3. *Molecular Catalysis*, **2018**, 453, 47-54	3.3	29
128	Hollow-Structural Ag/Co3O4 Nanocatalyst for CO Oxidation: Interfacial Synergistic Effect. *ACS Applied Nano Materials*, **2019**, 2, 3480-3489	5.6	28
127	Influence of Preparation Methods of In2O3/Al2O3 Catalyst on Selective Catalytic Reduction of NO by Propene in the Presence of Oxygen. *Catalysis Letters*, **2005**, 103, 75-82	2.8	28
126	Exploration of reaction mechanism between acid gases and elemental mercury on the CeO2–WO3/TiO2 catalyst via in situ DRIFTS. *Fuel*, **2019**, 239, 162-172	7.1	28
125	Low-temperature selective catalytic reduction of NO by CO over Fe-ZSM-5 catalysts in the presence of O. *Journal of Hazardous Materials*, **2020**, 383, 121117	12.8	27
124	MnO -CeO2 catalysts for effective NO reduction in the presence of chlorobenzene. *Catalysis Communications*, **2018**, 117, 1-4	3.2	26

123	MnOx-SnO2 Catalysts Synthesized by a Redox Coprecipitation Method for Selective Catalytic Reduction of NO by NH3. *Chinese Journal of Catalysis*, **2008**, 29, 531-536	11.3	26
122	The outstanding performance of LDH-derived mixed oxide Mn/CoAlOx for Hg0 oxidation. *Catalysis Science and Technology*, **2015**, 5, 3536-3544	5.5	25
121	Probing Active-Site Relocation in Cu/SSZ-13 SCR Catalysts during Hydrothermal Aging by In Situ EPR Spectroscopy, Kinetics Studies, and DFT Calculations. *ACS Catalysis*, **2020**, 10, 9410-9419	13.1	24
120	The poisoning mechanism of gaseous HCl on low-temperature SCR catalysts: MnO□CeO2 as an example. *Applied Catalysis B: Environmental*, **2020**, 267, 118668	21.8	24
119	Improved Activity and H2O Resistance of Cu-Modified MnO2 Catalysts for NO Oxidation. *Industrial & Engineering Chemistry Research*, **2018**, 57, 920-926	3.9	23
118	A neutral and coordination regeneration method of Ca-poisoned V2O5-WO3/TiO2 SCR catalyst. *Catalysis Communications*, **2017**, 100, 112-116	3.2	23
117	Cooperation of Pt/Al2O3 and In/Al2O3 catalysts for NO reduction by propene in lean burn condition. *Applied Catalysis A: General*, **2004**, 265, 43-52	5.1	23
116	A new insight into adsorption state and mechanism of adsorbates in porous materials. *Journal of Hazardous Materials*, **2020**, 382, 121103	12.8	23
115	Promoting SO Resistance of a CeO(5)-WO(9)/TiO Catalyst for Hg Oxidation via Adjusting the Basicity and Acidity Sites Using a CuO Doping Method. *Environmental Science & Technology*, **2020**, 54, 1889-1897	10.3	22
114	Promotion Effect of Ga□o Spinel Derived from Layered Double Hydroxides for Toluene Oxidation. *ChemCatChem*, **2018**, 10, 4838-4843	5.2	22
113	Catalytic performance and reaction mechanism of NO oxidation over Co3O4 catalysts. *Applied Catalysis B: Environmental*, **2020**, 267, 118371	21.8	21
112	Highly selective □Mn2O3 catalyst for cGPF soot oxidation: Surface activated oxygen enhancement via selective dissolution. *Chemical Engineering Journal*, **2019**, 364, 448-451	14.7	21
111	Theory and practice of metal oxide catalyst design for the selective catalytic reduction of NO with NH3. *Catalysis Today*, **2021**, 376, 292-301	5.3	21
110	NOx Removal over V2O5/WO3□TiO2 Prepared by a Grinding Method: Influence of the Precursor on Vanadium Dispersion. *Industrial & Engineering Chemistry Research*, **2018**, 57, 150-157	3.9	20
109	Fe2O3@SiTi core□shell catalyst for the selective catalytic reduction of NOx with NH3: activity improvement and HCl tolerance. *Catalysis Science and Technology*, **2018**, 8, 3313-3320	5.5	19
108	Decreasing effect and mechanism of FeSO4 seed particles on secondary organic aerosol in □pinene photooxidation. *Environmental Pollution*, **2014**, 193, 88-93	9.3	19
107	Heterogeneous Reactions between Toluene and NO on Mineral Particles under Simulated Atmospheric Conditions. *Environmental Science & Technology*, **2017**, 51, 9596-9604	10.3	19
106	New insights into the promotional effects of Cu and Fe over V2O5-WO3/TiO2 NH3-SCR catalysts towards oxidation of Hg0. *Catalysis Communications*, **2017**, 100, 169-172	3.2	19

105	The promotional effect of MoO3 doped V2O5/TiO2 for chlorobenzene oxidation. *Catalysis Communications*, **2015**, 69, 161-164	3.2	18
104	The poisoning effects of phosphorus on CeO 2 -MoO 3 /TiO 2 DeNO x catalysts: NH 3 -SCR activity and the formation of N 2 O. *Molecular Catalysis*, **2017**, 439, 15-24	3.3	17
103	The synergistic mechanism of NOx and chlorobenzene degradation in municipal solid waste incinerators. *Catalysis Science and Technology*, **2019**, 9, 4286-4292	5.5	17
102	Novel Fe-Ce-O mixed metal oxides catalyst prepared by hydrothermal method for Hg0 oxidation in the presence of NH3. *Catalysis Communications*, **2017**, 100, 210-213	3.2	17
101	Iron tungsten mixed composite as a robust oxygen evolution electrocatalyst. *Chemical Communications*, **2019**, 55, 10944-10947	5.8	16
100	Novel W-modified SnMnCeOx catalyst for the selective catalytic reduction of NOx with NH3. *Catalysis Communications*, **2017**, 100, 117-120	3.2	16
99	A multiple-active-site Cu/SSZ-13 for NH3-SCO: Influence of Si/Al ratio on the catalytic performance. *Catalysis Communications*, **2020**, 135, 105751	3.2	16
98	Synthesis of □MnO-like rod catalyst using YMnO A-site sacrificial strategy for efficient benzene oxidation. *Journal of Hazardous Materials*, **2021**, 403, 123811	12.8	16
97	A facile and controllable in situ sulfation strategy for CuCeZr catalyst for NH3-SCR. *Applied Catalysis A: General*, **2020**, 597, 117554	5.1	15
96	Balance between Reducibility and NO Adsorption Capacity for the NO Decomposition: CuCo Catalysts as an Example. *Environmental Science & Technology*, **2019**, 53, 10379-10386	10.3	15
95	Effects of two transition metal sulfate salts on secondary organic aerosol formation in toluene/NO x photooxidation. *Frontiers of Environmental Science and Engineering*, **2013**, 7, 1-9	5.8	15
94	Silver□obalt Oxides Derived from Silver Nanoparticles Deposited on Layered Double Hydroxides for Methane Combustion. *ChemCatChem*, **2015**, 7, 1966-1974	5.2	15
93	Reaction mechanism of propane oxidation over Co3O4 nanorods as rivals of platinum catalysts. *Chemical Engineering Journal*, **2020**, 402, 125911	14.7	14
92	Multi-pollutant control (MPC) of NO and chlorobenzene from industrial furnaces using a vanadia-based SCR catalyst. *Applied Catalysis B: Environmental*, **2021**, 285, 119835	21.8	14
91	Fe-Doped □MnO nanorods for the catalytic removal of NO and chlorobenzene: the relationship between lattice distortion and catalytic redox properties. *Physical Chemistry Chemical Physics*, **2019**, 21, 25880-25888	3.6	14
90	Modified Silica Adsorbents for Toluene Adsorption under Dry and Humid Conditions: Impacts of Pore Size and Surface Chemistry. *Langmuir*, **2019**, 35, 8927-8934	4	13
89	In Situ Modulation of A-Site Vacancies in LaMnO Perovskite for Surface Lattice Oxygen Activation and Boosted Redox Reactions. *Angewandte Chemie - International Edition*, **2021**, 60, 26747-26754	16.4	13
88	Surface In Situ Doping Modification over MnO for Toluene and Propene Catalytic Oxidation: The Effect of Isolated Cu Insertion into the Mezzanine of Surface MnO Cladding. *ACS Applied Materials & Interfaces*, **2021**, 13, 2753-2764	9.5	13

87	Boosting the Catalytic Performance of CeO in Toluene Combustion via the Ce-Ce Homogeneous Interface. *Environmental Science & Technology*, **2021**, 55, 12630-12639	10.3	13
86	Vanadium-density-dependent thermal decomposition of NH4HSO4 on V2O5/TiO2 SCR catalysts. *Catalysis Science and Technology*, **2019**, 9, 3779-3787	5.5	12
85	Rational tuning towards A/B-sites double-occupying cobalt on tri-metallic spinel: Insights into its catalytic activity on toluene catalytic oxidation. *Chemical Engineering Journal*, **2020**, 399, 125792	14.7	12
84	Enhanced Low-Temperature Activity of Toluene Oxidation over the Rod-like MnO2/LaMnO3 Perovskites with Alkaline Hydrothermal and Acid-Etching Treatment. *Industrial & Engineering Chemistry Research*, **2020**, 59, 6556-6564	3.9	12
83	NH3 selective catalytic reduction of NO: A large surface TiO2 support and its promotion of V2O5 dispersion on the prepared catalyst. *Chinese Journal of Catalysis*, **2016**, 37, 878-887	11.3	12
82	The effect of additives and intermediates on vanadia-based catalyst for multi-pollutant control. *Catalysis Science and Technology*, **2020**, 10, 323-326	5.5	12
81	The promotion effect of ceria on high vanadia loading NH3-SCR catalysts. *Catalysis Communications*, **2019**, 121, 84-88	3.2	12
80	The Absence of Oxygen in Sulfation Promotes the Performance of the Sulfated CeO2 Catalyst for Low-Temperature Selective Catalytic Reduction of NOx by NH3: Redox Property versus Acidity. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 967-979	8.3	12
79	Effect of Fe precursors on the catalytic activity of Fe/SAPO-34 catalysts for N2O decomposition. *Catalysis Communications*, **2019**, 128, 105706	3.2	11
78	Secondary aerosol formation and oxidation capacity in photooxidation in the presence of Al2O3 seed particles and SO2. *Science China Chemistry*, **2015**, 58, 1426-1434	7.9	11
77	Activity enhancement of sulphated Fe2O3 supported on TiO2–ZrO2 for the selective catalytic reduction of NO by NH3. *Applied Surface Science*, **2020**, 528, 146695	6.7	11
76	Effect of pore size in mesoporous MnO 2 prepared by KIT-6 aged at different temperatures on ethanol catalytic oxidation. *Chinese Journal of Catalysis*, **2018**, 39, 630-638	11.3	11
75	Complete oxidation of methane on Co3O4-SnO2 catalysts. *Frontiers of Environmental Science and Engineering in China*, **2009**, 3, 265-270		11
74	Fabrication of Nanohybrid Spinel@CuO Catalysts for Propane Oxidation: Modified Spinel and Enhanced Activity by Temperature-Dependent Acid Sites. *ACS Applied Materials & Interfaces*, **2021**, 13, 27106-27118	9.5	11
73	Simultaneous removal of NOx and chlorobenzene on V2O5/TiO2 granular catalyst: Kinetic study and performance prediction. *Frontiers of Environmental Science and Engineering*, **2021**, 15, 1	5.8	11
72	Zeolitic Imidazolate Framework-67-Derived CeO2@Co3O4 Core–Shell Microspheres with Enhanced Catalytic Activity toward Toluene Oxidation. *Industrial & Engineering Chemistry Research*, **2020**, 59, 10328-10337	3.9	10
71	The Roles of Various Plasma Active Species in Toluene Degradation by Non-thermal Plasma and Plasma Catalysis. *Plasma Chemistry and Plasma Processing*, **2019**, 39, 1469-1482	3.6	10
70	Core-shell-like structured □MnO2@CeO2 catalyst for selective catalytic reduction of NO: Promoted activity and SO2 tolerance. *Chemical Engineering Journal*, **2020**, 391, 123473	14.7	10

69	Modified red mud catalyst for the selective catalytic reduction of nitrogen oxides: Impact mechanism of cerium precursors on surface physicochemical properties. *Chemosphere*, **2020**, 257, 127215	8.4	10
68	Distinctive Bimetallic Oxides for Enhanced Catalytic Toluene Combustion: Insights into the Tunable Fabrication of MnCe Hollow Structure. *ChemCatChem*, **2020**, 12, 2872-2879	5.2	9
67	Selective Catalytic Reduction of NOx with CH4 over the In/Sulfated TiO2 Catalyst. *Catalysis Letters*, **2008**, 122, 138-143	2.8	9
66	High efficiency of noble metal and metal oxide catalyst systems for the selective reduction of NO with propene in lean exhaust gas. *Topics in Catalysis*, **2004**, 30/31, 81-84	2.3	9
65	Review of Sulfur Promotion Effects on Metal Oxide Catalysts for NOx Emission Control. *ACS Catalysis*,13119-13139	13.1	9
64	Synthesis and evaluation of mesopore structured ZSM-5 and a CuZSM-5 catalyst for NH3-SCR reaction: studies of simulated exhaust and engine bench testing. *RSC Advances*, **2016**, 6, 102570-102581	3.7	9
63	Investigation on removal of NO and Hg0 with different Cu species in Cu-SAPO-34 zeolites. *Catalysis Communications*, **2019**, 119, 91-95	3.2	9
62	Alloying effect-induced electron polarization drives nitrate electroreduction to ammonia. *Chem Catalysis*, **2021**,		9
61	Design strategies of surface basicity for NO oxidation over a novel SnCoO catalyst in the presence of H2O. *Catalysis Science and Technology*, **2017**, 7, 2057-2064	5.5	8
60	Comparison of NH3-SCO performance over CuOx/H-SSZ-13 and CuOx/H-SAPO-34 catalysts. *Applied Catalysis A: General*, **2019**, 585, 117119	5.1	8
59	New Insights on Competitive Adsorption of NO/SO on TiO Anatase for Photocatalytic NO Oxidation. *Environmental Science & Technology*, **2021**, 55, 9285-9292	10.3	8
58	Promoting effect of sol-gel method and pre-treatment on the activity of SnO2/Al2O3 catalyst for NO reduction by propene. *Reaction Kinetics and Catalysis Letters*, **2003**, 80, 45-52		7
57	Nb-incorporated Fe (oxy)hydroxide derived from structural transformation for efficient oxygen evolution electrocatalysis. *Journal of Materials Chemistry A*, **2020**, 8, 24598-24607	13	7
56	Impact of NO and NH addition on toluene oxidation over MnO-CeO catalyst. *Journal of Hazardous Materials*, **2021**, 416, 125939	12.8	7
55	A novel like MnO catalyst for ozone decomposition in high humidity conditions. *Journal of Hazardous Materials*, **2021**, 420, 126641	12.8	7
54	Insights over Titanium Modified FeMgOx Catalysts for Selective Catalytic Reduction of NOx with NH3: Influence of Precursors and Crystalline Structures. *Catalysts*, **2019**, 9, 560	4	6
53	Severe deactivation and artificial enrichment of thallium on commercial SCR catalysts installed in cement kiln. *Applied Catalysis B: Environmental*, **2020**, 277, 119194	21.8	6
52	Selective Catalytic Reduction of NOx with Ammonia over Copper Ion Exchanged SAPO-47 Zeolites in a Wide Temperature Range. *ChemCatChem*, **2018**, 10, 2481-2487	5.2	6

51	Lean NO SnO2CeO2 catalyst at low temperatures. *Catalysis Today*, **2015**, 258, 556-563	5.3	6
50	Insight into the promotion mechanism of activated carbon on the monolithic honeycomb red mud catalyst for selective catalytic reduction of NOx. *Frontiers of Environmental Science and Engineering*, **2021**, 15, 1	5.8	6
49	Boosting nitrous oxide direct decomposition performance based on samarium doping effects. *Chemical Engineering Journal*, **2021**, 414, 128643	14.7	6
48	Effects of phosphorus modification on the catalytic properties and performance of CuCeZr mixed metal catalyst for simultaneous removal of CO and NOx. *Chemical Engineering Journal*, **2021**, 423, 130228	14.7	6
47	Quantitative Cu Counting Methodologies for Cu/SSZ-13 Selective Catalytic Reduction Catalysts by Electron Paramagnetic Resonance Spectroscopy. *Journal of Physical Chemistry C*, **2020**, 124, 28061-28073	3.8	5
46	Comparison of NO adsorbing ability and process on Pt/Mg/Al oxide catalysts prepared by different methods. *Catalysis Letters*, **2007**, 116, 155-160	2.8	5
45	New Insight into the In Situ SO2 Poisoning Mechanism over Cu-SSZ-13 for the Selective Catalytic Reduction of NOx with NH3. *Catalysts*, **2020**, 10, 1391	4	5
44	Cu/SAPO-34 prepared by a facile ball milling method for enhanced catalytic performance in the selective catalytic reduction of NO with NH. *Physical Chemistry Chemical Physics*, **2019**, 21, 22113-22120	3.6	5
43	Hierarchically devising NiFeO H catalyst with surface Fe active sites for efficient oxygen evolution reaction. *Catalysis Today*, **2021**, 364, 140-147	5.3	5
42	Predicting the adsorption of organic pollutants on boron nitride nanosheets via in silico techniques: DFT computations and QSAR modeling. *Environmental Science: Nano*, **2021**, 8, 795-805	7.1	5
41	Carbon Dioxide Promotes Dehydrogenation in the Equimolar C H -CO Reaction to Synthesize Carbon Nanotubes. *Small*, **2018**, 14, e1703482	11	4
40	Novel Y2O3 Doped MnO x Binary Metal Oxides for NO x Storage at Low Temperature in Lean Burn Condition. *Catalysis Letters*, **2009**, 129, 104-110	2.8	4
39	Second organic aerosol formation by irradiation of pinene-NOx-H2O in an indoor smog chamber for atmospheric chemistry and physics. *Science Bulletin*, **2008**, 53, 3294-3300	10.6	4
38	Selective catalytic reduction of NO over metal oxide or noble metal-doped In2O3/Al2O3 catalysts by propene in the presence of oxygen. *Reaction Kinetics and Catalysis Letters*, **2003**, 80, 75-80		4
37	New insight on electroreduction of nitrate to ammonia driven by oxygen vacancies-induced strong interface interactions. *Journal of Catalysis*, **2022**, 406, 39-47	7.3	4
36	Revealing the Synergistic Deactivation Mechanism of Hydrothermal Aging and SO Poisoning on Cu/SSZ-13 under SCR Condition. *Environmental Science & Technology*, **2021**,	10.3	4
35	Penetration of Arsenic and Deactivation of a Honeycomb VO-WO/TiO Catalyst in a Glass Furnace. *Environmental Science & Technology*, **2021**,	10.3	4
34	Balance of activation and ring-breaking for toluene oxidation over CuO-MnO bimetallic oxides. *Journal of Hazardous Materials*, **2021**, 415, 125637	12.8	4

33	Effects of seed particles Al2O3, Al2(SO4)3 and H2SO4 on secondary organic aerosol. *Frontiers of Environmental Science and Engineering*, **2017**, 11, 1	5.8	3
32	Selective catalytic reduction of NO x from exhaust of lean-burn engine over Ag-Al2O3/cordierite catalyst. *Frontiers of Environmental Science and Engineering in China*, **2007**, 1, 143-146		3
31	Cooperation of reducing species for NO reduction over Ag/Al2O3 under oxidizing conditions. *Reaction Kinetics and Catalysis Letters*, **2005**, 84, 61-67		3
30	Synthesis of TixSn1-xO2 mixed metal oxide for copper catalysts as high-efficiency NH3 selective catalytic oxidation. *Fuel*, **2022**, 314, 123061	7.1	3
29	Temperature and Reaction Environment Influence the Nature of Platinum Species Supported on Ceria. *ACS Catalysis*,13041-13049	13.1	3
28	B-Site modification of LaMn0.9Co0.1O3 perovskite using a selective dissolution method in C3H6 oxidation. *Catalysis Science and Technology*, **2020**, 10, 6464-6467	5.5	3
27	Application of smog chambers in atmospheric process studies.. *National Science Review*, **2022**, 9, nwab103	10.8	3
26	Impact of anthropogenic heat emissions on meteorological parameters and air quality in Beijing using a high-resolution model simulation. *Frontiers of Environmental Science and Engineering*, **2022**, 16, 1	5.8	3
25	Interaction Mechanism for Simultaneous Elimination of Nitrogen Oxides and Toluene over the Bifunctional CeO-TiO Mixed Oxide Catalyst.. *Environmental Science & Technology*, **2022**,	10.3	3
24	Efficient Electron Transfer by Plasmonic Silver in SrTiO for Low-Concentration Photocatalytic NO Oxidation.. *Environmental Science & Technology*, **2022**,	10.3	3
23	Promotional effect of Ce on the activity of In/WZrO2 for selective reduction of NO x with methane. *Catalysis Letters*, **2007**, 117, 68-72	2.8	2
22	Carbon/chlorinate deposition on MnOx-CeO2 catalyst in chlorobenzene combustion: The effect of SCR flue gas. *Chemical Engineering Journal*, **2021**, 133552	14.7	2
21	Coordinated control of fine-particle and ozone pollution by the substantial reduction of nitrogen oxides. *Engineering*, **2021**,	9.7	2
20	Simultaneous Selective Catalytic Reduction of NO and N2O by NH3 over Fe-Zeolite Catalysts. *Industrial & Engineering Chemistry Research*, **2020**, 59, 19500-19509	3.9	2
19	Key intermediates from simultaneous removal of NOx and chlorobenzene over a V2O5WO3/TiO2 catalyst: a combined experimental and DFT study. *Catalysis Science and Technology*,	5.5	2
18	MetalSupport Interactions within a Dual-Site Pd/YMn2O5 Catalyst during CH4 Combustion. *ACS Catalysis*,4430-4439	13.1	2
17	Breaking the ActivitySelectivity Trade-Off for Simultaneous Catalytic Elimination of Nitric Oxide and Chlorobenzene via FeVO4Fe2O3 Interfacial Charge Transfer. *ACS Catalysis*, **2022**, 12, 3797-3806	13.1	2
16	Two-step hydrothermal synthesis of highly active MnOx-CeO2 for complete oxidation of formaldehyde. *Chemical Engineering Journal*, **2022**, 440, 135854	14.7	2

15	Effects of support acidity on the reaction mechanisms of selective catalytic reduction of NO by CH4 in excess oxygen. *Frontiers of Environmental Science and Engineering in China*, **2009**, 3, 186-193		1
14	Deactivation of Pd/SSZ-13 by Potassium and Water for Passive NOx Adsorption. *Processes*, **2022**, 10, 222	2.9	1
13	Identification of Intrinsic Active Sites for the Selective Catalytic Reduction of Nitric Oxide on Metal-Free Carbon Catalysts via Selective Passivation. *ACS Catalysis*, **2022**, 12, 1024-1030	13.1	1
12	Direct incorporating small amount of Ce (III) in Cu-SAPO-18 catalysts for enhanced low-temperature NH3-SCR activity: Influence on Cu distribution and Si coordination. *Chemical Engineering Journal*, **2022**, 435, 134890	14.7	1
11	Precise regulation of acid pretreatment for red mud SCR catalyst: Targeting on optimizing the acidity and reducibility. *Frontiers of Environmental Science and Engineering*, **2022**, 16, 1	5.8	1
10	Flame synthesized nanoscale catalyst (CuCeWTi) with excellent Hg oxidation activity and hydrothermal resistance. *Journal of Hazardous Materials*, **2021**, 408, 124427	12.8	1
9	Intrinsic insight of energy-efficiency optimization for CO2 capture by amine-based solvent: effect of mass transfer and solvent regeneration. *International Journal of Greenhouse Gas Control*, **2022**, 118, 103673	4.2	1
8	Surface Reconstruction of a Mullite-Type Catalyst via Selective Dissolution for NO Oxidation. *ACS Catalysis*, **2021**, 11, 14507-14520	13.1	0
7	Improvement of AlO on the multi-pollutant control performance of NO and chlorobenzene in vanadia-based catalysts. *Chemosphere*, **2021**, 289, 133156	8.4	0
6	Balancing redox and acidic properties for optimizing catalytic performance of SCR catalysts: A case study of nanopolyhedron CeO -supported WO. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105828	6.8	0
5	Effect of Highly Concentrated Dry (NH4)2SO4 Seed Aerosols on Ozone and Secondary Organic Aerosol Formation in Aromatic Hydrocarbon/NOx Photooxidation Systems. *ACS Symposium Series*, **2009**, 111-126	0.4	
4	Two-stage catalytic system of Sn/Al2O3 and Pt/Al2O3for NO reduction by propene in lean conditions. *Reaction Kinetics and Catalysis Letters*, **2004**, 81, 265-272		
3	Cooperation of reducing species for NO reduction over Ag/Al2O3 under oxidizing conditions. *Reaction Kinetics and Catalysis Letters*, **2005**, 84, 61-67		
2	Remarkable enhancement in the N selectivity of NH-SCR over the CeNbFe/TiO catalyst in the presence of chlorobenzene. *Environmental Science and Pollution Research*, **2021**, 1	5.1	
1	Vanadium Substitution as an Effective Way to Enhance the Redox Ability of Tungstophosphoric Acid and for Application of NH3-SCR. *Catalysis Letters*, **2021**, 151, 2250	2.8	