Changjin Tang

List of Publications by Year
in descending order

94	6,794	50276 46	62596 80
papers	citations	h-index	g-index

94	94	94	4786
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of cerium precursors on the structure and reducibility of mesoporous CuO-CeO2 catalysts for CO oxidation. Applied Catalysis B: Environmental, 2012, 119-120, 308-320.	20.2	348
2	Getting insight into the influence of SO2 on TiO2/CeO2 for the selective catalytic reduction of NO by NH3. Applied Catalysis B: Environmental, 2015, 165, 589-598.	20.2	307
3	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.	20.2	294
4	Ceria-based catalysts for low-temperature selective catalytic reduction of NO with NH₃. Catalysis Science and Technology, 2016, 6, 1248-1264.	4.1	293
5	Correlation between the physicochemical properties and catalytic performances of CexSn1â€“xO2 mixed oxides for NO reduction by CO. Applied Catalysis B: Environmental, 2014, 144, 152-165.	20.2	224
6	Investigation of the structure, acidity, and catalytic performance of CuO/Ti0.95Ce0.05O2 catalyst for the selective catalytic reduction of NO by NH3 at low temperature. Applied Catalysis B: Environmental, 2014, 150-151, 315-329.	20.2	221
7	Effect of metal ions doping (M = Ti4+, Sn4+) on the catalytic performance of MnO /CeO2 catalyst for low temperature selective catalytic reduction of NO with NH3. Applied Catalysis A: General, 2015, 495, 206-216.	4.3	189
8	Investigation of the physicochemical properties and catalytic activities of Ce_{0.67}M_{0.33}O₂(M = Zr⁴⁺, Ti⁴⁺,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 688-698.	4.1	165
9	Enhanced visible light photocatalytic hydrogen evolution via cubic CeO2 hybridized g-C3N4 composite. Applied Catalysis B: Environmental, 2017, 218, 51-59.	20.2	165
10	Engineering the Cu2Oâ€“reduced graphene oxide interface to enhance photocatalytic degradation of organic pollutants under visible light. Applied Catalysis B: Environmental, 2016, 181, 495-503.	20.2	163
11	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.	20.2	156
12	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.	12.7	153
13	<i>In Situ</i> Loading Transition Metal Oxide Clusters on TiO₂ Nanosheets As Co-catalysts for Exceptional High Photoactivity. ACS Catalysis, 2013, 3, 2052-2061.	11.2	151
14	NO reduction by CO over CuOâ€“CeO2 catalysts: effect of preparation methods. Catalysis Science and Technology, 2013, 3, 1355.	4.1	148
15	A comparative study of different doped metal cations on the reduction, adsorption and activity of CuO/Ce0.67M0.33O2 (M=Zr4+, Sn4+, Ti4+) catalysts for NO+CO reaction. Applied Catalysis B: Environmental, 2013, 130-131, 293-304.	20.2	137
16	Sulfated Temperature Effects on the Catalytic Activity of CeO₂ in NH₃-Selective Catalytic Reduction Conditions. Journal of Physical Chemistry C, 2015, 119, 1155-1163.	3.1	128
17	Crystal-Plane Effects on the Catalytic Properties of Au/TiO₂. ACS Catalysis, 2013, 3, 2768-2775.	11.2	120
18	Conquering ammonium bisulfate poison over low-temperature NH3-SCR catalysts: A critical review. Applied Catalysis B: Environmental, 2021, 297, 120388.	20.2	120

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19	Insight into the SO2 resistance mechanism on Î³-Fe2O3 catalyst in NH3-SCR reaction: A collaborated experimental and DFT study. Applied Catalysis B: Environmental, 2021, 281, 119544.	20.2	107
20	Efficient fabrication of active CuO-CeO2/SBA-15 catalysts for preferential oxidation of CO by solid state impregnation. Applied Catalysis B: Environmental, 2014, 146, 201-212.	20.2	105
21	Promotional effect of doping SnO₂ into TiO₂ over a CeO₂/TiO₂ catalyst for selective catalytic reduction of NO by NH₃. Catalysis Science and Technology, 2015, 5, 2188-2196.	4.1	103
22	Mesoporous NiOâ€"CeO2 catalysts for CO oxidation: Nickel content effect and mechanism aspect. Applied Catalysis A: General, 2015, 494, 77-86.	4.3	99
23	Catalytic removal NO by CO over LaNi0.5M0.5O3 (Mâ€¯=â€¯Co, Mn, Cu) perovskite oxide catalysts: Tune surface chemical composition to improve N2 selectivity. Chemical Engineering Journal, 2019, 369, 511-521.	12.7	96
24	Anion-Assisted Synthesis of TiO₂ Nanocrystals with Tunable Crystal Forms and Crystal Facets and Their Photocatalytic Redox Activities in Organic Reactions. Journal of Physical Chemistry C, 2013, 117, 18578-18587.	3.1	92
25	Effect of CO-pretreatment on the CuOâ€"V₂O₅/Î³-Al₂O₃ catalyst for NO reduction by CO. Catalysis Science and Technology, 2014, 4, 4416-4425.	4.1	88
26	Engineering the NiO/CeO₂ interface to enhance the catalytic performance for CO oxidation. RSC Advances, 2015, 5, 98335-98343.	3.6	87
27	Synthesis, characterization and catalytic performance of FeMnTiOx mixed oxides catalyst prepared by a CTAB-assisted process for mid-low temperature NH3-SCR. Applied Catalysis A: General, 2015, 505, 235-242.	4.3	82
28	Pore Size Expansion Accelerates Ammonium Bisulfate Decomposition for Improved Sulfur Resistance in Low-Temperature NH₃-SCR. ACS Applied Materials & Interfaces, 2019, 11, 4900-4907.	8.0	81
29	Novel shielding and synergy effects of Mn-Ce oxides confined in mesoporous zeolite for low temperature selective catalytic reduction of NOx with enhanced SO2/H2O tolerance. Journal of Hazardous Materials, 2020, 396, 122592.	12.4	79
30	Influence of molar ratio and calcination temperature on the properties of Ti Sn1âˆ'O2 supporting copper oxide for CO oxidation. Applied Catalysis B: Environmental, 2016, 180, 451-462.	20.2	77
31	Controllable Synthesis of Pure-Phase Rare-Earth Orthoferrites Hollow Spheres with a Porous Shell and Their Catalytic Performance for the CO + NO Reaction. Chemistry of Materials, 2010, 22, 4879-4889.	6.7	75
32	Effect of Ti4+ and Sn4+ co-incorporation on the catalytic performance of CeO2-MnO catalyst for low temperature NH3-SCR. Applied Surface Science, 2019, 476, 283-292.	6.1	75
33	Efficient fabrication and photocatalytic properties of TiO2 hollow spheres. Catalysis Communications, 2009, 10, 650-654.	3.3	72
34	Textural, structural, and morphological characterizations and catalytic activity of nanosized CeO2â€"MOx (M=Mg2+, Al3+, Si4+) mixed oxides for CO oxidation. Journal of Colloid and Interface Science, 2011, 354, 341-352.	9.4	72
35	Improved low temperature NH₃-SCR performance of FeMnTiO_x mixed oxide with CTAB-assisted synthesis. Chemical Communications, 2015, 51, 3470-3473.	4.1	69
36	Crystal-plane effects on surface and catalytic properties of Cu2O nanocrystals for NO reduction by CO. Applied Catalysis A: General, 2015, 505, 334-343.	4.3	65

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37	Construction of Fe2O3 loaded and mesopore confined thin-layer titania catalyst for efficient NH3-SCR of NOx with enhanced H2O/SO2 tolerance. Applied Catalysis B: Environmental, 2021, 287, 119982.	20.2	64
38	Synthesis, characterization, and catalytic performance of copper-containing SBA-15 in the phenol hydroxylation. Journal of Colloid and Interface Science, 2012, 380, 16-24.	9.4	63
39	Activating low-temperature NH3-SCR catalyst by breaking the strong interface between acid and redox sites: A case of model Ce2(SO4)3-CeO2 study. Journal of Catalysis, 2021, 399, 212-223.	6.2	61
40	Influence of CeO₂modification on the properties of Fe₂O₃â€“Ti_{0.5}Sn_{0.5}O₂catalyst for NO reduction by CO. Catalysis Science and Technology, 2014, 4, 482-493.	4.1	59
41	Comparative study on the catalytic CO oxidation properties of CuO/CeO2 catalysts prepared by solid state and wet impregnation. Chinese Journal of Catalysis, 2014, 35, 1347-1358.	14.0	55
42	Influence of MnO2 modification methods on the catalytic performance of CuO/CeO2 for NO reduction by CO. Journal of Rare Earths, 2014, 32, 131-138.	4.8	53
43	Solid state preparation of NiO-CeO 2 catalyst for NO reduction. Catalysis Today, 2017, 281, 575-582.	4.4	51
44	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.	14.0	50
45	Insight into the activity and SO2 tolerance of hierarchically ordered MnFe1-Î´CoÎ´Ox ternary oxides for low-temperature selective catalytic reduction of NOx with NH3. Journal of Catalysis, 2021, 395, 195-209.	6.2	50
46	Effects of different manganese precursors as promoters on catalytic performance of CuOâ€“MnO_x/TiO₂ catalysts for NO removal by CO. Physical Chemistry Chemical Physics, 2015, 17, 15996-16006.	2.8	49
47	Direct synthesis, characterization and catalytic performance of bimetallic Feâ€“Mo-SBA-15 materials in selective catalytic reduction of NO with NH3. Microporous and Mesoporous Materials, 2012, 151, 44-55.	4.4	46
48	Doping effect of Sm on the TiO₂/CeSmO_x catalyst in the NH₃-SCR reaction: structureâ€“activity relationship, reaction mechanism and SO₂ tolerance. Catalysis Science and Technology, 2019, 9, 3554-3567.	4.1	46
49	Effect of precursors on the structure and activity of CuO-CoOx/Î³-Al2O3 catalysts for NO reduction by CO. Journal of Colloid and Interface Science, 2018, 509, 334-345.	9.4	45
50	Mo doping as an effective strategy to boost low temperature NH3-SCR performance of CeO2/TiO2 catalysts. Catalysis Communications, 2018, 114, 10-14.	3.3	44
51	Enhanced low-temperature NH3-SCR performance of CeTiO catalyst via surface Mo modification. Chinese Journal of Catalysis, 2020, 41, 364-373.	14.0	44
52	Promotional effect of CO pretreatment on CuO/CeO2 catalyst for catalytic reduction of NO by CO. Journal of Rare Earths, 2014, 32, 139-145.	4.8	42
53	Influence of CeO2 loading on structure and catalytic activity for NH3-SCR over TiO2-supported CeO2. Journal of Rare Earths, 2020, 38, 883-890.	4.8	42
54	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.	4.4	40

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55	Research progress on the catalytic elimination of atmospheric molecular contaminants over supported metal-oxide catalysts. Catalysis Science and Technology, 2014, 4, 2814.	4.1	39
56	Comparative Study of Different Doped Metal Cations on the Reduction, Acidity, and Activity of Fe₉M₁O_{<i>x</i>} (M = Ti⁴⁺, Ce^{4+/3+},) Tj ETQq0 0 0 rgBT /Overlock 10 Research, 2017, 56, 12101-12110.	3.7	39
57	Cavity size dependent SO2 resistance for NH3-SCR of hollow structured CeO2-TiO2 catalysts. Catalysis Communications, 2019, 128, 105719.	3.3	38
58	Getting insight into the effect of CuO on red mud for the selective catalytic reduction of NO by NH3. Journal of Hazardous Materials, 2020, 396, 122459.	12.4	38
59	Novel MnO -CeO2 nanosphere catalyst for low-temperature NH3-SCR. Catalysis Communications, 2017, 100, 98-102.	3.3	36
60	A general and inherent strategy to improve the water tolerance of low temperature NH3-SCR catalysts via trace SiO2 deposition. Catalysis Communications, 2016, 84, 75-79.	3.3	35
61	Nonmetal element doped g-C₃N₄ with enhanced H₂ evolution under visible light irradiation. Journal of Materials Research, 2018, 33, 1268-1278.	2.6	35
62	Improving the dispersion of CeO2 on Î³-Al2O3 to enhance the catalytic performances of CuO/CeO2/Î³-Al2O3 catalysts for NO removal by CO. Catalysis Communications, 2014, 51, 95-99.	3.3	33
63	Migration of copper species in Ce_xCu_{1âˆ’x}O₂ catalyst driven by thermal treatment and the effect on CO oxidation. Physical Chemistry Chemical Physics, 2017, 19, 21840-21847.	2.8	33
64	Influence of different impregnation modes on the properties of CuO CeO 2 /Î³-Al 2 O 3 catalysts for NO reduction by CO. Applied Surface Science, 2017, 426, 279-286.	6.1	31
65	Highly selective catalytic reduction of NOx by MnOxâ€“CeO2â€“Al2O3 catalysts prepared by self-propagating high-temperature synthesis. Journal of Environmental Sciences, 2019, 75, 124-135.	6.1	31
66	Tailoring copper valence states in CuOÎ´/Î³-Al2O3 catalysts by an in situ technique induced superior catalytic performance for simultaneous elimination of NO and CO. Physical Chemistry Chemical Physics, 2013, 15, 14945.	2.8	29
67	Greener and higher conversion of esterification via interfacial photothermal catalysis. Nature Sustainability, 2022, 5, 348-356.	23.7	29
68	Construction of hybrid multi-shell hollow structured CeO₂â€“MnO_x materials for selective catalytic reduction of NO with NH₃. RSC Advances, 2017, 7, 5989-5999.	3.6	28
69	Catalytic performance of highly dispersed WO 3 loaded on CeO 2 in the selective catalytic reduction of NO by NH 3. Chinese Journal of Catalysis, 2017, 38, 1749-1758.	14.0	27
70	Surface hydroxylated hematite promotes photoinduced hole transfer for water oxidation. Journal of Materials Chemistry A, 2019, 7, 8050-8054.	10.3	27
71	Influence of cerium modification methods on catalytic performance of Au/mordenite catalysts in CO oxidation. Applied Catalysis B: Environmental, 2012, 127, 234-245.	20.2	26
72	Enhancing low-temperature NH3-SCR performance of Feâ€“Mn/CeO2 catalyst by Al2O3 modification. Journal of Rare Earths, 2022, 40, 1454-1461.	4.8	26

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73	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.	12.7	24
74	An efficient strategy for highly loaded, well dispersed and thermally stable metal oxide catalysts. Catalysis Communications, 2011, 12, 1075-1078.	3.3	22
75	Determination of catalytic oxidation products of phenol by RP-HPLC. Research on Chemical Intermediates, 2012, 38, 549-558.	2.7	22
76	Treatment induced remarkable enhancement of low-temperature activity and selectivity of copper-based catalysts for NO reduction. Catalysis Science and Technology, 2013, 3, 1547.	4.1	20
77	Synthesis of CrOx/C catalysts for low temperature NH3-SCR with enhanced regeneration ability in the presence of SO2. RSC Advances, 2018, 8, 3858-3868.	3.6	20
78	Surface configuration modulation for FeO -CeO2/Î³-Al2O3 catalysts and its influence in CO oxidation. Journal of Catalysis, 2020, 386, 139-150.	6.2	20
79	Cerium manganese oxides coupled with ZSM-5: A novel SCR catalyst with superior K resistance. Chemical Engineering Journal, 2022, 445, 136530.	12.7	20
80	Investigations of surface VOx species and their contributions to activities of VOx/Ti0.5Sn0.5O2 catalysts toward selective catalytic reduction of NO by NH3. Applied Catalysis A: General, 2012, 431-432, 126-136.	4.3	19
81	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.	14.0	19
82	Synthesis of Both Powdered and Preformed MnO<i>_x</i>â€“CeO₂â€“Al₂O₃Catalysts by Self-Propagating High-Temperature Synthesis for the Selective Catalytic Reduction of NO<i>_x</i>with NH₃. ACS Omega, 2018, 3, 5692-5703.	3.5	17
83	Insights into the precursor effect on the surface structure of Î³-Al2O3 and NOâ€¯+â€¯CO catalytic performance of CO-pretreated CuO/MnOx/Î³-Al2O3 catalysts. Journal of Colloid and Interface Science, 2019, 554, 611-618.	9.4	15
84	Solid-phase impregnation promotes Ce doping in TiO2 for boosted denitration of CeO2/TiO2 catalysts. Chinese Chemical Letters, 2022, 33, 935-938.	9.0	15
85	Activity enhancement of WO3 modified FeTiO catalysts for the selective catalytic reduction of NO by NH3. Catalysis Today, 2021, 375, 614-622.	4.4	13
86	Pt Deposites on TiO2 for Photocatalytic H2 Evolution: Pt Is Not Only the Cocatalyst, but Also the Defect Repair Agent. Catalysts, 2020, 10, 1047.	3.5	12
87	Effect of different introduction methods of cerium and tin on the properties of titanium-based catalysts for the selective catalytic reduction of NO by NH3. Journal of Colloid and Interface Science, 2022, 613, 320-336.	9.4	11
88	High Resistance of SO2 and H2O over Monolithic Mn-Fe-Ce-Al-O Catalyst for Low Temperature NH3-SCR. Catalysts, 2020, 10, 1329.	3.5	8
89	Direct synthesis of Ti-SBA-15 in the self-generated acidic environment and its photodegradation of Rhodamine B. Journal of Porous Materials, 2014, 21, 63-70.	2.6	7
90	Unravelling the structure sensitivity of CuO/SiO₂ catalysts in the NO + CO reaction. Catalysis Science and Technology, 2020, 10, 3848-3856.	4.1	7

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91	Solvent-free elaboration of Ni-doped MnOx catalysts with high performance for NH3-SCR in low and medium temperature zones. Molecular Catalysis, 2021, 501, 111376.	2.0	7
92	Pilot test of environment-friendly catalysts for the DeNO_x of low-temperature flue gas from a coal-fired plant. Catalysis Science and Technology, 2021, 11, 3164-3175.	4.1	3
93	One-Pot Synthesis of CeO2 Modified SBA-15 With No Pore Clogging for NO Reduction by CO. Frontiers in Environmental Chemistry, 2021, 2, .	1.6	2
94	The effects of dopant on catalytic activity of Pd/mesoporous alumina for toluene oxidation. Research on Chemical Intermediates, 2021, 47, 1239-1251.	2.7	1