Wei Tan

List of Publications by Year
in descending order

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29	1,000	394421	501196
papers	citations	19	28
		h-index	g-index

29	29	29	504
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Morphology and Crystal-Plane Effects of CeO₂ on TiO₂/CeO₂ Catalysts during NH₃-SCR Reaction. Industrial & Engineering Chemistry Research, 2018, 57, 12407-12419.	3.7	90
3	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
4	Gas phase sulfation of ceria-zirconia solid solutions for generating highly efficient and SO2 resistant NH3-SCR catalysts for NO removal. Journal of Hazardous Materials, 2020, 388, 121729.	12.4	72
5	Ceâ€“Si Mixed Oxide: A High Sulfur Resistant Catalyst in the NH₃â€“SCR Reaction through the Mechanism-Enhanced Process. Environmental Science & Technology, 2021, 55, 4017-4026.	10.0	66
6	Copper Single Atom-Triggered Niobiaâ€“Ceria Catalyst for Efficient Low-Temperature Reduction of Nitrogen Oxides. ACS Catalysis, 2022, 12, 2441-2453.	11.2	48
7	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
8	Enhanced low-temperature NH3-SCR performance of CeTiO catalyst via surface Mo modification. Chinese Journal of Catalysis, 2020, 41, 364-373.	14.0	44
9	Revealing the effect of paired redox-acid sites on metal oxide catalysts for efficient NO removal by NH3-SCR. Journal of Hazardous Materials, 2021, 416, 125826.	12.4	43
10	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
11	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.	11.2	33
12	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.	12.7	30
13	Highly Active and Stable Palladium Catalysts on Novel Ceriaâ€“Alumina Supports for Efficient Oxidation of Carbon Monoxide and Hydrocarbons. Environmental Science & Technology, 2021, 55, 7624-7633.	10.0	28
14	Tuning Singleâ€atom Pt₁â^'CeO₂ Catalyst for Efficient CO and C₃H₆ Oxidation: Size Effect of Ceria on Pt Structural Evolution. ChemNanoMat, 2020, 6, 1797-1805.	2.8	27
15	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
16	Morphology-Sensitive Sulfation Effect on Ceria Catalysts for NH3-SCR. Topics in Catalysis, 2020, 63, 932-943.	2.8	24
17	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
18	Structure-activity relationship of Pt catalyst on engineered ceria-alumina support for CO oxidation. Journal of Catalysis, 2022, 405, 236-248.	6.2	23

#	Article	IF	Citations
19	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.	10.0	21
20	Cerium manganese oxides coupled with ZSM-5: A novel SCR catalyst with superior K resistance. Chemical Engineering Journal, 2022, 445, 136530.	12.7	20
21	Molybdenum oxide as an efficient promoter to enhance the NH3-SCR performance of CeO2-SiO2 catalyst for NO removal. Catalysis Today, 2022, 397-399, 475-483.	4.4	19
22	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
23	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
24	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
25	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
26	Unraveling the SO₂ Poisoning Effect over the Lifetime of MeO_x (Me =) Tj ETQq0 0 0 rgBT /Overlock 10 with Surface Species. Journal of Physical Chemistry C, 2022, 126, 12168-12177.	3.1	12
27	Evaluation of Manganese Oxide Octahedral Molecular Sieves for CO and C3H6 Oxidation at Diesel Exhaust Conditions. Frontiers in Environmental Chemistry, 2021, 2, .	1.6	8
28	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.	6.0	5
29	Boosting the catalytic performance of single-atom catalysts by tuning surface lattice expanding confinement. Chemical Communications, 0, , .	4.1	1