

Wei Tan

List of Publications by Year in descending order

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29
papers

1,000
citations

394286

19
h-index

501076

28
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all docs

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docs citations

29
times ranked

504
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-phase impregnation promotes Ce doping in TiO ₂ for boosted denitration of CeO ₂ /TiO ₂ catalysts. Chinese Chemical Letters, 2022, 33, 935-938.	4.8	15
2	Molybdenum oxide as an efficient promoter to enhance the NH ₃ -SCR performance of CeO ₂ -SiO ₂ catalyst for NO removal. Catalysis Today, 2022, 397-399, 475-483.	2.2	19
3	Enhancing low-temperature NH ₃ -SCR performance of Fe-Mn/CeO ₂ catalyst by Al ₂ O ₃ modification. Journal of Rare Earths, 2022, 40, 1454-1461.	2.5	26
4	CeO ₂ doping boosted low-temperature NH ₃ -SCR activity of FeTiO _x catalyst: A microstructure analysis and reaction mechanistic study. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	3.3	5
5	Structure-activity relationship of Pt catalyst on engineered ceria-alumina support for CO oxidation. Journal of Catalysis, 2022, 405, 236-248.	3.1	23
6	Copper Single Atom-Triggered Niobia-Ceria Catalyst for Efficient Low-Temperature Reduction of Nitrogen Oxides. ACS Catalysis, 2022, 12, 2441-2453.	5.5	48
7	Cerium manganese oxides coupled with ZSM-5: A novel SCR catalyst with superior K resistance. Chemical Engineering Journal, 2022, 445, 136530.	6.6	20
8	Unraveling the SO ₂ Poisoning Effect over the Lifetime of MeO (Me = Tj ETQq0 0 0 rgBT /Overlock 10 with Surface Species. Journal of Physical Chemistry C, 2022, 126, 12168-12177.	1.5	12
9	Insight into the SO ₂ resistance mechanism on γ -Fe ₂ O ₃ catalyst in NH ₃ -SCR reaction: A collaborated experimental and DFT study. Applied Catalysis B: Environmental, 2021, 281, 119544.	10.8	107
10	Activity enhancement of WO ₃ modified FeTiO catalysts for the selective catalytic reduction of NO by NH ₃ . Catalysis Today, 2021, 375, 614-622.	2.2	13
11	Ce-Si Mixed Oxide: A High Sulfur Resistant Catalyst in the NH ₃ -SCR Reaction through the Mechanism-Enhanced Process. Environmental Science & Technology, 2021, 55, 4017-4026.	4.6	66
12	Highly Active and Stable Palladium Catalysts on Novel Ceria-Alumina Supports for Efficient Oxidation of Carbon Monoxide and Hydrocarbons. Environmental Science & Technology, 2021, 55, 7624-7633.	4.6	28
13	Evaluation of Manganese Oxide Octahedral Molecular Sieves for CO and C ₃ H ₆ Oxidation at Diesel Exhaust Conditions. Frontiers in Environmental Chemistry, 2021, 2, .	0.7	8
14	Revealing the effect of paired redox-acid sites on metal oxide catalysts for efficient NO removal by NH ₃ -SCR. Journal of Hazardous Materials, 2021, 416, 125826.	6.5	43
15	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.	4.6	21
16	Effects of different methods of introducing Mo on denitration performance and anti-SO ₂ poisoning performance of CeO ₂ . Chinese Journal of Catalysis, 2021, 42, 1488-1499.	6.9	19
17	Highly efficient Pt catalyst on newly designed CeO ₂ -ZrO ₂ -Al ₂ O ₃ support for catalytic removal of pollutants from vehicle exhaust. Chemical Engineering Journal, 2021, 426, 131855.	6.6	30
18	Enhanced low-temperature NH ₃ -SCR performance of CeTiO catalyst via surface Mo modification. Chinese Journal of Catalysis, 2020, 41, 364-373.	6.9	44

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19	Gas phase sulfation of ceria-zirconia solid solutions for generating highly efficient and SO ₂ resistant NH ₃ -SCR catalysts for NO removal. <i>Journal of Hazardous Materials</i> , 2020, 388, 121729.	6.5	72
20	Morphology-Sensitive Sulfation Effect on Ceria Catalysts for NH ₃ -SCR. <i>Topics in Catalysis</i> , 2020, 63, 932-943.	1.3	24
21	Tuning Single-Atom Pt ₁ ~CeO ₂ Catalyst for Efficient CO and C ₃ H ₆ Oxidation: Size Effect of Ceria on Pt Structural Evolution. <i>ChemNanoMat</i> , 2020, 6, 1797-1805.	1.5	27
22	The dual effects of ammonium bisulfate on the selective catalytic reduction of NO with NH ₃ over Fe ₂ O ₃ -WO ₃ catalyst confined in MCM-41. <i>Chemical Engineering Journal</i> , 2020, 389, 124271.	6.6	24
23	Influence of CeO ₂ loading on structure and catalytic activity for NH ₃ -SCR over TiO ₂ -supported CeO ₂ . <i>Journal of Rare Earths</i> , 2020, 38, 883-890.	2.5	42
24	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. <i>ACS Catalysis</i> , 2019, 9, 7759-7768.	5.5	33
25	Insights into the precursor effect on the surface structure of γ -Al ₂ O ₃ and NO ⁺ ~CO catalytic performance of CO-pretreated CuO/MnOx/ γ -Al ₂ O ₃ catalysts. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 611-618.	5.0	15
26	Pore Size Expansion Accelerates Ammonium Bisulfate Decomposition for Improved Sulfur Resistance in Low-Temperature NH ₃ -SCR. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4900-4907.	4.0	81
27	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.	1.8	90
28	Mo doping as an effective strategy to boost low temperature NH ₃ -SCR performance of CeO ₂ /TiO ₂ catalysts. <i>Catalysis Communications</i> , 2018, 114, 10-14.	1.6	44
29	Boosting the catalytic performance of single-atom catalysts by tuning surface lattice expanding confinement. <i>Chemical Communications</i> , 0, , .	2.2	1