

Fei Wang

List of Publications by Year in descending order

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32
papers

946
citations

643344

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511568

30
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32
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32
docs citations

32
times ranked

897
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of MgX/Al ₂ O ₃ -Y sorbent for highly efficient simultaneous removal of hydrogen fluoride and hydrogen chloride under low-temperature environment. Environmental Technology (United Kingdom), 2023, 44, 2230-2243.	1.2	1
2	Nano-sized Ag rather than single-atom Ag determines CO oxidation activity and stability. Nano Research, 2022, 15, 452-456.	5.8	35
3	Promoting effect of acid sites on NH ₃ -SCO activity with water vapor participation for Pt-Fe/ZSM-5 catalyst. Catalysis Today, 2021, 376, 311-317.	2.2	23
4	Single atom Fe in favor of carbon disulfide (CS ₂) adsorption and thus the removal efficiency. Separation and Purification Technology, 2021, 258, 118086.	3.9	28
5	Simultaneous catalytic hydrolysis of HCN, COS and CS ₂ over metal-modified microwave coal-based activated carbon. Separation and Purification Technology, 2021, 259, 118205.	3.9	24
6	Supported catalysts for simultaneous removal of SO ₂ , NO _x , and Hg ₀ from industrial exhaust gases: A review. Chinese Chemical Letters, 2021, 32, 2963-2974.	4.8	19
7	Cu/HZSM-5 Sorbent Treated by NH ₃ Plasma for Low-Temperature Simultaneous Adsorption-Oxidation of H ₂ S and PH ₃ . ACS Applied Materials & Interfaces, 2021, 13, 24670-24681.	4.0	26
8	Defects on activated carbon determine the dispersion of active components and thus the simultaneous removal efficiency of SO ₂ , NO _x and Hg ₀ . Fuel, 2021, 293, 120391.	3.4	15
9	The role of H ₂ O in the removal of methane mercaptan (CH ₃ SH) on Cu/C-PAN catalyst. Applied Surface Science, 2021, 567, 150851.	3.1	6
10	Thermal modification of copper slag via phase transformation for simultaneous removal of SO ₂ and NO _x from acid-making tail gas. Chemical Engineering Journal, 2021, 425, 131646.	6.6	8
11	Surface characterization study of corn-straw biochar catalysts for the simultaneous removal of HCN, COS, and CS ₂ . New Journal of Chemistry, 2020, 44, 13565-13575.	1.4	12
12	Reaction Mechanism of Simultaneous Removal of H ₂ S and PH ₃ Using Modified Manganese Slag Slurry. Catalysts, 2020, 10, 1384.	1.6	9
13	Research into the simultaneous removal process of H ₂ S and PH ₃ by Cu-Fe-Ce composite metal oxide adsorbent. Research on Chemical Intermediates, 2020, 46, 4017-4032.	1.3	0
14	Pretreated water-quenched-manganese-slag slurry for high-efficiency one-step desulfurization and denitrification. Separation and Purification Technology, 2020, 250, 117164.	3.9	9
15	High-performance of Cu-TiO ₂ for photocatalytic oxidation of formaldehyde under visible light and the mechanism study. Chemical Engineering Journal, 2020, 390, 124481.	6.6	91
16	Resolving the puzzle of single-atom silver dispersion on nanosized γ -Al ₂ O ₃ surface for high catalytic performance. Nature Communications, 2020, 11, 529.	5.8	111
17	Hydrogen Cyanide Removal over Ti-Al ₂ O ₃ Catalyst: Activity at Low Temperature. Environmental Engineering Science, 2019, 36, 1011-1018.	0.8	3
18	Insights into the Activation Effect of H ₂ Pretreatment on Ag/Al ₂ O ₃ Catalyst for the Selective Oxidation of Ammonia. ACS Catalysis, 2019, 9, 1437-1445.	5.5	78

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19	Nanosize Effect of Al ₂ O ₃ in Ag/Al ₂ O ₃ Catalyst for the Selective Catalytic Oxidation of Ammonia. ACS Catalysis, 2018, 8, 2670-2682.	5.5	144
20	Facet-dependent performance of anatase TiO ₂ for photocatalytic oxidation of gaseous ammonia. Applied Catalysis B: Environmental, 2018, 223, 209-215.	10.8	65
21	Mn based catalysts for driving high performance of HCN catalytic oxidation to N ₂ under micro-oxygen and low temperature conditions. Chemical Engineering Journal, 2018, 333, 402-413.	6.6	17
22	Specific Role of Potassium in Promoting Ag/Al ₂ O ₃ for Catalytic Oxidation of Formaldehyde at Low Temperature. Journal of Physical Chemistry C, 2018, 122, 27331-27339.	1.5	53
23	Adsorption of Gaseous Elemental Mercury by Ferric-Chloride-Modified Activated Carbon Under Low-Temperature Conditions. Clean - Soil, Air, Water, 2018, 46, 1800351.	0.7	8
24	Synergistic Effect of TiO ₂ -SiO ₂ in Ag/Si-Ti Catalyst for the Selective Catalytic Oxidation of Ammonia. Industrial & Engineering Chemistry Research, 2018, 57, 11903-11910.	1.8	42
25	Selective adsorption of CH ₃ SH on cobalt-modified activated carbon with low oxygen concentration. Journal of the Taiwan Institute of Chemical Engineers, 2017, 75, 156-163.	2.7	18
26	The hydrolysis of hydrogen cyanide over Nb/La-TiO _x catalyst. Journal of the Taiwan Institute of Chemical Engineers, 2017, 70, 141-149.	2.7	11
27	Coupling catalytic hydrolysis and oxidation on metal-modified activated carbon for HCN removal. RSC Advances, 2016, 6, 57108-57116.	1.7	15
28	Simultaneous Removal of PH ₃ , H ₂ S, and Dust by Corona Discharge. Energy & Fuels, 2016, 30, 9580-9588.	2.5	8
29	Conversion of COS by corona plasma and the effect of simultaneous removal of COS and dust. Chemical Engineering Journal, 2016, 290, 328-334.	6.6	16
30	Adsorption of gaseous elemental mercury with activated carbon impregnated with ferric chloride. RSC Advances, 2015, 5, 24899-24907.	1.7	28
31	Adsorption of carbon disulfide on activated carbon modified by Cu and cobalt sulfonated phthalocyanine. Adsorption, 2015, 21, 401-408.	1.4	11
32	Adsorption of Carbon Disulfide on Cu/CoSPc/Ce Modified Activated Carbon under Microtherm and Micro-oxygen Conditions. Industrial & Engineering Chemistry Research, 2014, 53, 13626-13634.	1.8	12