Lu Yao

List of Publications by Year
in descending order

36 papers	1,318 citations	471509 17 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	1030 citing authors

#	Article	IF	Citations
1	Low-cost Mnâ€“Fe/SAPO-34 catalyst from natural ferromanganese ore and lithium-silicon-powder waste for efficient low-temperature NH3-SCR removal of NO. Chemosphere, 2022, 293, 133465.	8.2	16
2	Effects of PbO poisoning on Ceâ€“Mn/AC catalyst for low-temperature selective catalytic reduction of NO with NH3. Journal of Iron and Steel Research International, 2021, 28, 133-139.	2.8	24
3	Promotion of manganese extraction and flue gas desulfurization with manganese ore by iron in the anodic solution of electrolytic manganese. Hydrometallurgy, 2021, 199, 105542.	4.3	10
4	Copper Doping Promotion on Ce/CAC-CNT Catalysts with High Sulfur Dioxide Tolerance for Low-Temperature NH₃â€“SCR. ACS Sustainable Chemistry and Engineering, 2021, 9, 987-997.	6.7	28
5	Insight into N2O Formation Over Different Crystal Phases of MnO2 During Low-Temperature NH3â€“SCR of NO. Catalysis Letters, 2021, 151, 2964-2971.	2.6	38
6	A novel CNTs functionalized CeO2/CNTsâ€“GAC catalyst with high NO conversion and SO2 tolerance for low temperature selective catalytic reduction of NO by NH3. Chemosphere, 2021, 284, 131377.	8.2	8
7	In Situ Growth Synthesis of the CNTs@AC Hybrid Material for Efficient Nitrate-Nitrogen Adsorption. ACS Omega, 2021, 6, 1612-1622.	3.5	7
8	Preparation of Manganese Blending-Modified Activated Coke for Flue Gas Desulfurization. ACS Omega, 2021, 6, 30949-30959.	3.5	3
9	Preparation and evaluation of nitrogen-tailored hierarchical meso-/micro-porous activated carbon for CO₂ adsorption. Environmental Technology (United Kingdom), 2020, 41, 3544-3553.	2.2	12
10	Iron doped effects on active sites formation over activated carbon supported Mn-Ce oxide catalysts for low-temperature SCR of NO. Chemical Engineering Journal, 2020, 379, 122398.	12.7	195
11	Promotional effects of nitrogen doping on catalytic performance over manganese-containing semi-coke catalysts for the NH3-SCR at low temperatures. Journal of Hazardous Materials, 2020, 387, 121704.	12.4	65
12	Co-blending modification of activated coke using pyrolusite and titanium ore for low-temperature NOx removal. Scientific Reports, 2020, 10, 19455.	3.3	4
13	Synthesis of a Novel Zeoliteâ€“Activated Carbon Composite Using Lithiumâ€“Silicon-Powder Waste for Ammonia-Nitrogen and Methylene Blue Removal. Industrial & Engineering Chemistry Research, 2020, 59, 14616-14624.	3.7	13
14	Poisoning Effect Comparison of ZnCl₂ and ZnSO₄ on Mnâ€Ce/AC Catalyst for Lowâ€Temperature SCR of NO. ChemistrySelect, 2020, 5, 9226-9234.	1.5	19
15	Separating Sulfur from Fuel Gas Desulfurization Gypsum with an Oxalic Acid Solution. ACS Omega, 2020, 5, 16932-16939.	3.5	5
16	In situ IR comparative study on N2O formation pathways over different valence states manganese oxides catalysts during NH3â€“SCR of NO. Chemical Engineering Journal, 2020, 397, 125446.	12.7	131
17	Bimetallic and Polymetallic Oxide Modification of Activated Coke by a One-Step Blending Method for Highly Efficient SO₂ Removal. Energy & Fuels, 2020, 34, 7275-7283.	5.1	4
18	Low-temperature selective catalytic reduction of NOx with NH3 over zeolite catalysts: A review. Chinese Chemical Letters, 2020, 31, 2549-2555.	9.0	50

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19	Removal of manganous dithionate (MnS₂O₆) with MnO₂ from the desulfurization manganese slurry. RSC Advances, 2020, 10, 1430-1438.	3.6	5
20	Utilization of industrial waste lithium-silicon-powder for the fabrication of novel nap zeolite for aqueous Cu(II) removal. Journal of Cleaner Production, 2020, 265, 121822.	9.3	41
21	Manganese Ore-based Wet Flue-Gas Desulfurization: A Review. Recent Innovations in Chemical Engineering, 2020, 13, 180-193.	0.4	0
22	Removal of SO₂ from Flue Gas on a Copper-Modified Activated Coke Prepared by a Novel One-Step Carbonization Activation Blending Method. Industrial & Engineering Chemistry Research, 2019, 58, 15693-15700.	3.7	13
23	Low-temperature selective catalytic reduction of NO_x with NH₃ over an activated carbon-carbon nanotube composite material prepared by in situ method. RSC Advances, 2019, 9, 36658-36663.	3.6	15
24	The Formation of Manganous Dithionate in the Manganese Oxide Flue Gas Desulfurization. Recent Innovations in Chemical Engineering, 2019, 12, 287-295.	0.4	0
25	The study on continuous denitrification, desulfurization of pyrolusite/activated coke hybrid catalyst. RSC Advances, 2018, 8, 406-413.	3.6	6
26	Suitability of pyrolusite as additive to activated coke for lowâ€temperature NO removal. Journal of Chemical Technology and Biotechnology, 2018, 93, 690-697.	3.2	16
27	Promotional effect of Ce on the SCR of NO with NH3 at low temperature over MnO x supported by nitric acid-modified activated carbon. Research on Chemical Intermediates, 2018, 44, 1729-1744.	2.7	43
28	Copper Ore-Modified Activated Coke: Highly Efficient and Regenerable Catalysts for the Removal of SO₂. Industrial & Engineering Chemistry Research, 2018, 57, 15731-15739.	3.7	18
29	Synthesis Gas Production via Dry Reforming of Methane over Manganese Promoted Nickel/Ceriumâ€“Zirconium Oxide Catalyst. Industrial & Engineering Chemistry Research, 2018, 57, 16645-16656.	3.7	57
30	A novel mesoporous zeolite-activated carbon composite as an effective adsorbent for removal of ammonia-nitrogen and methylene blue from aqueous solution. Bioresource Technology, 2018, 268, 726-732.	9.6	64
31	Low-Temperature Catalytic CO₂ Dry Reforming of Methane on Ni-Si/ZrO₂ Catalyst. ACS Catalysis, 2018, 8, 6495-6506.	11.2	220
32	Sintering flue gas desulfurization with different carbon materials modified by microwave irradiation. Journal of Iron and Steel Research International, 2017, 24, 979-984.	2.8	15
33	Effect of Al₂O₃, MgO, and CaO/SiO₂on Viscosity of High Alumina Blast Furnace Slag. Steel Research International, 2016, 87, 241-249.	1.8	55
34	Thermal Behavior and Kinetics of Raw/Pyrolytic Wood and Coal Blends during Co-combustion Process. Journal of Iron and Steel Research International, 2016, 23, 917-923.	2.8	9
35	Precipitation behavior of perovskite and anosovite crystals from high Ti-bearing blast furnace slag with small amount of B₂O₃. CrystEngComm, 2016, 18, 1393-1402.	2.6	33
36	Comparative study on the promotion effect of Mn and Zr on the stability of Ni/SiO2 catalyst for CO2 reforming of methane. International Journal of Hydrogen Energy, 2013, 38, 7268-7279.	7.1	76