Qingcai Liu

List of Publications by Year
in descending order

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34	654	516710 16	580821 25
papers	citations	h-index	g-index

35	35	35	404
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of phosphorus on the NH3-SCR performance of CeO2-TiO2 catalyst for NO removal from co-incineration flue gas of domestic waste and municipal sludge. Journal of Colloid and Interface Science, 2022, 610, 463-473.	9.4	38
2	Crystallization behaviors and properties of Ti-bearing blast furnace slag-based glass ceramics with varying CaO/SiO2 mass ratio. Journal of the Australian Ceramic Society, 2022, 58, 597-605.	1.9	3
3	Photocatalytic degradation of methyl orange by Ca doped Î²-In2S3 with varying Ca concentration. Research on Chemical Intermediates, 2022, 48, 1813-1829.	2.7	9
4	Low-Cost CuX Catalyst from Blast Furnace Slag Waste for Low-Temperature NH₃-SCR: Nature of Cu Active Sites and Influence of SO₂/H₂O. ACS Sustainable Chemistry and Engineering, 2022, 10, 7739-7751.	6.7	23
5	In situ observations of isothermal cuspidine crystallization in molten mould fluxes with varying basicity. Ironmaking and Steelmaking, 2021, 48, 149-154.	2.1	2
6	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
7	Comparative study on the physicochemical properties and de-NOx performance of waste bamboo-derived low-temperature NH3-SCR catalysts. Research on Chemical Intermediates, 2021, 47, 5303-5320.	2.7	4
8	Fracture Failure Performance of 35VB Steel High-Strength Bolts Used in Subtropical Humid Climate. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	1
9	CO₂ Mineral Sequestration and Faujasite Zeolite Synthesis by Using Blast Furnace Slag: Process Optimization and CO₂ Net-Emission Reduction Evaluation. ACS Sustainable Chemistry and Engineering, 2021, 9, 13963-13971.	6.7	19
10	Low-temperature NH3-SCR activity of M (M = Zr, Ni and Co) doped MnO supported biochar catalysts. Journal of Environmental Chemical Engineering, 2021, 9, 106504.	6.7	42
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	Comparative Studies of Effects of Vapor- and Liquid-Phase As₂O₃ on Catalytic Behaviors of V₂O₅â€“WO₃/TiO₂ Catalysts for NH₃-SCR. ACS Omega, 2020, 5, 24195-24203.	3.5	15
13	Separating Sulfur from Fuel Gas Desulfurization Gypsum with an Oxalic Acid Solution. ACS Omega, 2020, 5, 16932-16939.	3.5	5
14	The Crystallization Behaviors of SiO2-Al2O3-CaO-MgO-TiO2 Glass-Ceramic Systems. Crystals, 2020, 10, 794.	2.2	18
15	Influences of Ash-Existing Environments and Coal Structures on CO2 Gasification Characteristics of Tri-High Coal. Processes, 2020, 8, 1367.	2.8	3
16	PCDD/F levels and phase distributions in a full-scale municipal solid waste incinerator with co-incinerating sewage sludge. Waste Management, 2020, 106, 110-119.	7.4	41
17	Effects of the cooling rate on the crystallization behaviors of the CaOâ€“Al₂O₃â€“B₂O₃â€“CaF₂-based mold flux. CrystEngComm, 2020, 22, 2158-2165.	2.6	5
18	Modeling study of the heat of absorption and solid precipitation for CO2 capture by chilled ammonia. RSC Advances, 2019, 9, 20075-20086.	3.6	3

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19	Experiment and expectation: Co-combustion behavior of anthracite and biomass char. Bioresource Technology, 2019, 280, 412-420.	9.6	43
20	New insights into the deactivation mechanism of V₂O₅-WO₃/TiO₂ catalyst during selective catalytic reduction of NO with NH₃: synergies between arsenic and potassium species. RSC Advances, 2019, 9, 37724-37732.	3.6	19
21	Role of nitrogen functional groups and manganese oxides on the reduction of NO over modified semi-coke catalyst at low temperature. Research on Chemical Intermediates, 2019, 45, 563-579.	2.7	11
22	Effect of pyrolysis temperature on pine sawdust chars and their gasification reactivity mechanism with CO₂. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2256.	1.5	24
23	Effect of B2O3 on Slag-Metal Reaction between CaO-Al2O3-Based Mold Flux and High Aluminum Steel. High Temperature Materials and Processes, 2018, 37, 981-985.	1.4	9
24	Nanoceria synthesis in the <scp>KC</scp>lâ€ŁiCl salt system: Crystal formation and properties. Journal of the American Ceramic Society, 2017, 100, 1863-1875.	3.8	19
25	Investigation on Properties of Fluorineâ€Free Mold Fluxes Based on CaOâ€“Al₂O₃â€“B₂O₃ System. Steel Research International, 2017, 88, 1600485.	1.8	21
26	Properties of stable nonstoichiometric nanoceria produced by thermal plasma. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	15
27	Effect of Interphase Forces on Gasâ€“Liquid Multiphase Flow in RH Degasser. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 2620-2630.	2.1	28
28	Effect of Al₂O₃, MgO, and CaO/SiO₂on Viscosity of High Alumina Blast Furnace Slag. Steel Research International, 2016, 87, 241-249.	1.8	55
29	Investigation of sintered iron ore fines as an oxygen carrier in chemical looping combustion. Journal of Thermal Analysis and Calorimetry, 2016, 125, 459-469.	3.6	4
30	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
31	Effect of Nozzle Blockage on Circulation Flow Rate in Up-Snorkel during the RH Degasser Process. Steel Research International, 2016, 87, 136-145.	1.8	23
32	Modification of Cordierite Honeycomb Ceramics Matrix for DeNOx Catalyst. Materials Research Society Symposia Proceedings, 2012, 1449, 141.	0.1	2
33	Effect of Composition on Desulfurization Capacity in the CaO-SiO2-Al2O3-MgO-CaF2-BaO System. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2012, 43, 229-232.	2.1	12
34	Numerical simulation on gas-solid flow characteristics and NO_x formation of a full-scale dual circulating fluidized bed boiler. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-16.	2.3	2