Young Jin Kim

List of Publications by Year
in descending order

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23 papers	1,090 citations	759233 12 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	1177 citing authors

#	Article	IF	Citations
1	Practical-scale honeycomb catalytic reactor coupled with non-thermal plasma for high-throughput removal of isopropanol. Chemical Engineering Journal, 2022, 430, 132905.	12.7	14
2	Plasma-catalytic oxidation of volatile organic compounds with honeycomb catalyst for industrial application. Chemical Engineering Research and Design, 2022, 177, 406-417.	5.6	15
3	Ethylene trapping of palladium-impregnated zeolites for cold-start emission control. Chemical Engineering Journal, 2022, 442, 136197.	12.7	12
4	Nonthermal plasma in practical-scale honeycomb catalysts for the removal of toluene. Journal of Hazardous Materials, 2021, 404, 123958.	12.4	26
5	Dependence of humidified air plasma discharge performance in commercial honeycomb monoliths on the configuration and key parameters of the reactor. Journal of Hazardous Materials, 2021, 404, 124024.	12.4	11
6	Unraveling the origin of extraordinary lean NOx reduction by CO over Ir-Ru bimetallic catalyst at low temperature. Applied Catalysis B: Environmental, 2021, 280, 119374.	20.2	33
7	Effects of Alkali Metals on Nickel/Alumina Catalyzed Ethanol Dry Reforming. Catalysts, 2021, 11, 260.	3.5	6
8	High-Throughput NO_x Removal by Two-Stage Plasma Honeycomb Monolith Catalyst. Environmental Science & Technology, 2021, 55, 6386-6396.	10.0	11
9	Effective practical removal of acetaldehyde by a sandwich-type plasma-in-honeycomb reactor under surrounding ambient conditions. Journal of Hazardous Materials, 2021, 415, 125608.	12.4	7
10	Non-thermal plasma in honeycomb catalyst for the high-throughput removal of dilute styrene from air. Journal of Environmental Chemical Engineering, 2021, 9, 105780.	6.7	6
11	Influence of support acidity on CO2 reforming of ethane at high temperature. Journal of CO2 Utilization, 2021, 53, 101713.	6.8	1
12	Kinetic and DRIFTS studies of IrRu/Al₂O₃ catalysts for lean NO_x reduction by CO at low temperature. Catalysis Science and Technology, 2020, 10, 8182-8195.	4.1	11
13	Effect of Hydrocarbon on DeNOx Performance of Selective Catalytic Reduction by a Combined Reductant over Cu-Containing Zeolite Catalysts. ACS Catalysis, 2019, 9, 9800-9812.	11.2	40
14	Deactivation mechanism of Cu/Zeolite SCR catalyst under high-temperature rich operation condition. Applied Catalysis A: General, 2019, 569, 175-180.	4.3	28
15	Synthesis of zeolite UZM-35 and catalytic properties of copper-exchanged UZM-35 for ammonia selective catalytic reduction. Applied Catalysis B: Environmental, 2017, 200, 428-438.	20.2	50
16	Thermal stability of Pd-containing LaAlO3 perovskite as a modern TWC. Journal of Catalysis, 2015, 330, 71-83.	6.2	46
17	Effect of CO₂ on the DeNO_x Activity of a Small Pore Zeolite Copper Catalyst for NH₃/SCR. ChemCatChem, 2014, 6, 1186-1189.	3.7	5
18	Hydrothermal stability of CuSSZ13 for reducing NOx by NH3. Journal of Catalysis, 2014, 311, 447-457.	6.2	294

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19	A Combinatorial Chemistry Method for Fast Screening of Perovskite-Based NO Oxidation Catalyst. ACS Combinatorial Science, 2014, 16, 614-623.	3.8	10
20	NO oxidation activity of Ag-doped perovskite catalysts. Journal of Catalysis, 2014, 319, 182-193.	6.2	119
21	Mnâ€“Fe/ZSM5 as a low-temperature SCR catalyst to remove NOx from diesel engine exhaust. Applied Catalysis B: Environmental, 2012, 126, 9-21.	20.2	175
22	Kinetic Parameter Estimation of a Commercial Fe-Zeolite SCR. Industrial & Engineering Chemistry Research, 2011, 50, 2850-2864.	3.7	49
23	High deNOx performance of Mn/TiO2 catalyst by NH3. Catalysis Today, 2010, 151, 244-250.	4.4	121