Jaedeuk Park

List of Publications by Year
in descending order

20 papers	1,099 citations	840119 11 h-index	752256 20 g-index
20 all docs	20 docs citations	20 times ranked	1312 citing authors

#	Article	IF	Citations
1	Hydrothermal Green Synthesis of a Robust Al Metal-Organic-Framework Effective for Water Adsorption Heat Allocations. ACS Sustainable Chemistry and Engineering, 2022, 10, 7010-7019.	3.2	9
2	Efficient Heat Exchange Configuration for Sub-Cooling Cycle of Hydrogen Liquefaction Process. Energies, 2022, 15, 4560.	1.6	8
3	Defective Zr-Fumarate MOFs Enable High-Efficiency Adsorption Heat Allocations. ACS Applied Materials & Interfaces, 2021, 13, 1723-1734.	4.0	29
4	Techno-economics and sensitivity analysis of hybrid process combining carbon molecular sieve membrane and distillation column for propylene/propane separation. Chemical Engineering Research and Design, 2021, 172, 204-214.	2.7	10
5	Rational design of a robust aluminum metal-organic framework for multi-purpose water-sorption-driven heat allocations. Nature Communications, 2020, 11, 5112.	5.8	68
6	Porous Metal–Organic Framework CUK-1 for Adsorption Heat Allocation toward Green Applications of Natural Refrigerant Water. ACS Applied Materials & Interfaces, 2019, 11, 25778-25789.	4.0	45
7	Unraveling the Water Adsorption Mechanism in the Mesoporous MIL-100(Fe) Metal–Organic Framework. Journal of Physical Chemistry C, 2019, 123, 23014-23025.	1.5	51
8	A multistream heat exchanger model with enthalpy feasibility. Computers and Chemical Engineering, 2018, 115, 81-88.	2.0	6
9	A robust large-pore zirconium carboxylate metal–organic framework for energy-efficient water-sorption-driven refrigeration. Nature Energy, 2018, 3, 985-993.	19.8	217
10	Performance study of multistage membrane and hybrid distillation processes for propylene/propane separation. Canadian Journal of Chemical Engineering, 2017, 95, 2390-2397.	0.9	15
11	Sn/Be Sequentially co-doped Hematite Photoanodes for Enhanced Photoelectrochemical Water Oxidation: Effect of Be2+ as co-dopant. Scientific Reports, 2016, 6, 23183.	1.6	75
12	Exergy analysis of a simulation of the sulfuric acid decomposition process of the SI cycle for nuclear hydrogen production. International Journal of Hydrogen Energy, 2014, 39, 54-61.	3.8	7
13	Automatic Synthesis for the Reachability of Process Systems with a Model Checking Algorithm. Industrial & Engineering Chemistry Research, 2013, 52, 2613-2624.	1.8	1
14	Simulation and experimental study on the sulfuric acid decomposition process of SI cycle for hydrogen production. International Journal of Hydrogen Energy, 2013, 38, 5507-5516.	3.8	21
15	Integration of qualitative and quantitative risk assessment methods for gas refinery plants. Korean Journal of Chemical Engineering, 2013, 30, 1368-1374.	1.2	4
16	Development of COI classification algorithm for chemical terrorism. Korean Journal of Chemical Engineering, 2013, 30, 559-562.	1.2	3
17	Simulation of hydrogen leak and explosion for the safety design of hydrogen fueling station in Korea. International Journal of Hydrogen Energy, 2013, 38, 1737-1743.	3.8	91
18	Advances in diesel–alcohol blends and their effects on the performance and emissions of diesel engines. Renewable and Sustainable Energy Reviews, 2013, 22, 46-72.	8.2	396

#	Article	IF	Citations
19	Development of Korean hydrogen fueling station codes through risk analysis. International Journal of Hydrogen Energy, 2011, 36, 13122-13131.	3.8	36
20	Development of a web-based emergency preparedness plan system in Korea. Korean Journal of Chemical Engineering, 2011, 28, 2110-2115.	1.2	7