

Jaedeuk Park

List of Publications by Year in descending order

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Version: 2024-02-01

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	Advances in diesel-ethanol blends and their effects on the performance and emissions of diesel engines. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 22, 46-72.	8.2	396
2	A robust large-pore zirconium carboxylate metal-organic framework for energy-efficient water-sorption-driven refrigeration. <i>Nature Energy</i> , 2018, 3, 985-993.	19.8	217
3	Simulation of hydrogen leak and explosion for the safety design of hydrogen fueling station in Korea. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 1737-1743.	3.8	91
4	Sn/Be Sequentially co-doped Hematite Photoanodes for Enhanced Photoelectrochemical Water Oxidation: Effect of Be ²⁺ as co-dopant. <i>Scientific Reports</i> , 2016, 6, 23183.	1.6	75
5	Rational design of a robust aluminum metal-organic framework for multi-purpose water-sorption-driven heat allocations. <i>Nature Communications</i> , 2020, 11, 5112.	5.8	68
6	Unraveling the Water Adsorption Mechanism in the Mesoporous MIL-100(Fe) Metal-Organic Framework. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23014-23025.	1.5	51
7	Porous Metal-Organic Framework CUK-1 for Adsorption Heat Allocation toward Green Applications of Natural Refrigerant Water. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25778-25789.	4.0	45
8	Development of Korean hydrogen fueling station codes through risk analysis. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 13122-13131.	3.8	36
9	Defective Zr-Fumarate MOFs Enable High-Efficiency Adsorption Heat Allocations. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1723-1734.	4.0	29
10	Simulation and experimental study on the sulfuric acid decomposition process of SI cycle for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 5507-5516.	3.8	21
11	Performance study of multistage membrane and hybrid distillation processes for propylene/propane separation. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2390-2397.	0.9	15
12	Techno-economics and sensitivity analysis of hybrid process combining carbon molecular sieve membrane and distillation column for propylene/propane separation. <i>Chemical Engineering Research and Design</i> , 2021, 172, 204-214.	2.7	10
13	Hydrothermal Green Synthesis of a Robust Al Metal-Organic-Framework Effective for Water Adsorption Heat Allocations. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7010-7019.	3.2	9
14	Efficient Heat Exchange Configuration for Sub-Cooling Cycle of Hydrogen Liquefaction Process. <i>Energies</i> , 2022, 15, 4560.	1.6	8
15	Development of a web-based emergency preparedness plan system in Korea. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 2110-2115.	1.2	7
16	Exergy analysis of a simulation of the sulfuric acid decomposition process of the SI cycle for nuclear hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 54-61.	3.8	7
17	A multistream heat exchanger model with enthalpy feasibility. <i>Computers and Chemical Engineering</i> , 2018, 115, 81-88.	2.0	6
18	Integration of qualitative and quantitative risk assessment methods for gas refinery plants. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1368-1374.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Development of COI classification algorithm for chemical terrorism. Korean Journal of Chemical Engineering, 2013, 30, 559-562.	1.2	3
20	Automatic Synthesis for the Reachability of Process Systems with a Model Checking Algorithm. Industrial & Engineering Chemistry Research, 2013, 52, 2613-2624.	1.8	1