

Jun Young Kim

List of Publications by Year in descending order

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papers

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1163117

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Gas holdup and hydrodynamic flow regime transition in bubble columns. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 56, 450-462.	5.8	29
2	Effect of calcination/carbonation and oxidation/reduction on attrition of binary solid species in sorption-enhanced chemical looping reforming. <i>Fuel</i> , 2020, 271, 117665.	6.4	19
3	Effect of calcination temperature and extent on the multi-cycle CO ₂ carrying capacity of lime-based sorbents. <i>Journal of CO₂ Utilization</i> , 2021, 49, 101546.	6.8	17
4	Attrition of binary mixtures of solids in a jet attrition unit. <i>Powder Technology</i> , 2019, 352, 445-452.	4.2	14
5	Effect of particle size distribution on hydrodynamics of pneumatic conveying system based on CPFD simulation. <i>Advanced Powder Technology</i> , 2021, 32, 2336-2344.	4.1	12
6	Hydrodynamic characteristics at the layer inversion point in three-phase fluidized beds with binary solids. <i>Chemical Engineering Science</i> , 2017, 157, 99-106.	3.8	11
7	Model for attrition in sorption-enhanced chemical-looping reforming in fluidized beds. <i>Fuel Processing Technology</i> , 2021, 213, 106702.	7.2	11
8	Air jet attrition measurements at hot conditions of oxygen carriers for chemical looping combustion. <i>Powder Technology</i> , 2021, 392, 661-671.	4.2	9
9	Horizontal immersed heater-to-bed heat transfer with layer inversion in gas-liquid-solid fluidized beds of binary solids. <i>Chemical Engineering Science</i> , 2017, 170, 501-507.	3.8	8
10	Data and models for liquid velocity and liquid holdup at layer inversion point in a three-phase fluidized bed of binary solids. <i>Chemical Engineering Science</i> , 2014, 109, 82-84.	3.8	7
11	Sorbent steam reactivation and methane-concentrated calcination for calcium-looping carbon capture: Compatibilities and limitations. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 87, 40-45.	5.8	7
12	Fine generation ratio of iron ore in the cyclone of a gas-solid circulating fluidized bed. <i>Powder Technology</i> , 2020, 363, 256-264.	4.2	6
13	Dynamic Monte Carlo reactor modeling of calcium looping with sorbent purge and utilization decay. <i>Chemical Engineering Journal</i> , 2022, 435, 134954.	12.7	6
14	Effect of distributor type on microbubble dispersion in a pressurized bubble column. <i>Chemical Engineering Research and Design</i> , 2021, 174, 188-198.	5.6	5
15	Bubble/micro-bubble regime transition in a pressurized bubble column of a low surface tension liquid system. <i>Chemical Engineering Science</i> , 2022, 249, 117191.	3.8	4
16	Thermodynamic modelling of hydrogen production in sorbent-enhanced biochar-direct chemical looping process. <i>Canadian Journal of Chemical Engineering</i> , 2023, 101, 121-136.	1.7	2
17	<sc>CPFD</sc> simulation on angle of repose with hopper geometries and particle properties. <i>Canadian Journal of Chemical Engineering</i> , 2023, 101, 147-159.	1.7	1