

Jun Young Kim

List of Publications by Year in descending order

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