Son Ich Ngo

List of Publications by Year
in descending order

23	476	687363 13	677142 22
papers	citations	h-index	g-index

23	23	23	462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance evaluation for dual circulating fluidized-bed steam gasifier of biomass using quasi-equilibrium three-stage gasification model. Applied Energy, 2011, 88, 5208-5220.	10.1	81
2	Computational fluid dynamics and experimental validation of a compact steam methane reformer for hydrogen production from natural gas. Applied Energy, 2019, 236, 340-353.	10.1	75
3	Three-stage steady-state model for biomass gasification in a dual circulating fluidized-bed. Energy Conversion and Management, 2012, 54, 100-112.	9.2	49
4	Optimal design of a sleeve-type steam methane reforming reactor for hydrogen production from natural gas. International Journal of Hydrogen Energy, 2019, 44, 1973-1987.	7.1	37
5	Flow behaviors, reaction kinetics, and optimal design of fixed- and fluidized-beds for CO2 methanation. Fuel, 2020, 275, 117886.	6.4	30
6	Multiscale Eulerian CFD of Chemical Processes: A Review. ChemEngineering, 2020, 4, 23.	2.4	26
7	Effects of fluidization velocity on solid stack volume in a bubbling fluidized-bed with nozzle-type distributor. Powder Technology, 2015, 275, 188-198.	4.2	22
8	Solution and Parameter Identification of a Fixed-Bed Reactor Model for Catalytic CO2 Methanation Using Physics-Informed Neural Networks. Catalysts, 2021, 11, 1304.	3.5	18
9	Flow behavior and heat transfer in bubbling fluidized-bed with immersed heat exchange tubes for CO2 methanation. Powder Technology, 2021, 380, 462-474.	4.2	17
10	Hydrodynamics of cold-rig biomass gasifier using semi-dual fluidized-bed. Powder Technology, 2013, 234, 97-106.	4.2	16
11	Three-phase Eulerian computational fluid dynamics of airâ€“waterâ€“oil separator under off-shore operation. Journal of Petroleum Science and Engineering, 2018, 171, 731-747.	4.2	16
12	Experiment and numerical analysis of catalytic CO2 methanation in bubbling fluidized bed reactor. Energy Conversion and Management, 2021, 233, 113863.	9.2	16
13	Multi-scale computational fluid dynamics of impregnation die for thermoplastic carbon fiber prepreg production. Computers and Chemical Engineering, 2017, 103, 58-68.	3.8	14
14	Prediction of degree of impregnation in thermoplastic unidirectional carbon fiber prepreg by multi-scale computational fluid dynamics. Chemical Engineering Science, 2018, 185, 64-75.	3.8	14
15	Effect of simultaneous three-angular motion on the performance of an airâ€“waterâ€“oil separator under offshore operation. Ocean Engineering, 2019, 171, 469-484.	4.3	9
16	Hydrodynamics of gas-liquid bubble columns under bubbling, transient, and jetting flow regimes using volume of fluid computational fluid dynamics. Chemical Engineering Research and Design, 2022, 182, 616-628.	5.6	9
17	Hydrodynamics of airâ€“kerosene bubble column under elevated pressure in homogeneous flow regime. Chinese Journal of Chemical Engineering, 2021, 33, 190-202.	3.5	6
18	Computational fluid dynamics model on a compact-type steam methane reformer for highly-efficient hydrogen production from natural gas. Computer Aided Chemical Engineering, 2018, 44, 307-312.	0.5	4

#	Article	IF	Citations
19	Wave Characteristics of Coagulation Bath in Dry-Jet Wet-Spinning Process for Polyacrylonitrile Fiber Production Using Computational Fluid Dynamics. Processes, 2019, 7, 314.	2.8	4
20	Computational fluid dynamics and tar formation in a low-temperature carbonization furnace for the production of carbon fibers. Journal of Industrial and Engineering Chemistry, 2019, 73, 286-296.	5.8	4
21	Computational fluid dynamics (CFD) modelling and optimum gap size of a compact steam methane reforming (SMR) reactor. Computer Aided Chemical Engineering, 2018, , 331-336.	0.5	3
22	Computational fluid dynamics of gas-liquid bubble column with hydrocracking reactions. Computer Aided Chemical Engineering, 2018, 44, 313-318.	0.5	3
23	A breakage model with different liquid properties for pressurized bubble columns in a homogeneous regime. Korean Journal of Chemical Engineering, 2021, 38, 264-275.	2.7	3