

Son Ich Ngo

List of Publications by Year in descending order

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papers

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687363

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citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamics of gas-liquid bubble columns under bubbling, transient, and jetting flow regimes using volume of fluid computational fluid dynamics. <i>Chemical Engineering Research and Design</i> , 2022, 182, 616-628.	5.6	9
2	Hydrodynamics of air-water-kerosene bubble column under elevated pressure in homogeneous flow regime. <i>Chinese Journal of Chemical Engineering</i> , 2021, 33, 190-202.	3.5	6
3	Flow behavior and heat transfer in bubbling fluidized-bed with immersed heat exchange tubes for CO ₂ methanation. <i>Powder Technology</i> , 2021, 380, 462-474.	4.2	17
4	A breakage model with different liquid properties for pressurized bubble columns in a homogeneous regime. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 264-275.	2.7	3
5	Experiment and numerical analysis of catalytic CO ₂ methanation in bubbling fluidized bed reactor. <i>Energy Conversion and Management</i> , 2021, 233, 113863.	9.2	16
6	Solution and Parameter Identification of a Fixed-Bed Reactor Model for Catalytic CO ₂ Methanation Using Physics-Informed Neural Networks. <i>Catalysts</i> , 2021, 11, 1304.	3.5	18
7	Flow behaviors, reaction kinetics, and optimal design of fixed- and fluidized-beds for CO ₂ methanation. <i>Fuel</i> , 2020, 275, 117886.	6.4	30
8	Multiscale Eulerian CFD of Chemical Processes: A Review. <i>ChemEngineering</i> , 2020, 4, 23.	2.4	26
9	Effect of simultaneous three-angular motion on the performance of an air-water-oil separator under offshore operation. <i>Ocean Engineering</i> , 2019, 171, 469-484.	4.3	9
10	Wave Characteristics of Coagulation Bath in Dry-Jet Wet-Spinning Process for Polyacrylonitrile Fiber Production Using Computational Fluid Dynamics. <i>Processes</i> , 2019, 7, 314.	2.8	4
11	Computational fluid dynamics and tar formation in a low-temperature carbonization furnace for the production of carbon fibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 73, 286-296.	5.8	4
12	Optimal design of a sleeve-type steam methane reforming reactor for hydrogen production from natural gas. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1973-1987.	7.1	37
13	Computational fluid dynamics and experimental validation of a compact steam methane reformer for hydrogen production from natural gas. <i>Applied Energy</i> , 2019, 236, 340-353.	10.1	75
14	Prediction of degree of impregnation in thermoplastic unidirectional carbon fiber prepreg by multi-scale computational fluid dynamics. <i>Chemical Engineering Science</i> , 2018, 185, 64-75.	3.8	14
15	Computational fluid dynamics model on a compact-type steam methane reformer for highly-efficient hydrogen production from natural gas. <i>Computer Aided Chemical Engineering</i> , 2018, 44, 307-312.	0.5	4
16	Computational fluid dynamics (CFD) modelling and optimum gap size of a compact steam methane reforming (SMR) reactor. <i>Computer Aided Chemical Engineering</i> , 2018, , 331-336.	0.5	3
17	Three-phase Eulerian computational fluid dynamics of air-water-oil separator under off-shore operation. <i>Journal of Petroleum Science and Engineering</i> , 2018, 171, 731-747.	4.2	16
18	Computational fluid dynamics of gas-liquid bubble column with hydrocracking reactions. <i>Computer Aided Chemical Engineering</i> , 2018, 44, 313-318.	0.5	3

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19	Multi-scale computational fluid dynamics of impregnation die for thermoplastic carbon fiber prepreg production. <i>Computers and Chemical Engineering</i> , 2017, 103, 58-68.	3.8	14
20	Effects of fluidization velocity on solid stack volume in a bubbling fluidized-bed with nozzle-type distributor. <i>Powder Technology</i> , 2015, 275, 188-198.	4.2	22
21	Hydrodynamics of cold-rig biomass gasifier using semi-dual fluidized-bed. <i>Powder Technology</i> , 2013, 234, 97-106.	4.2	16
22	Three-stage steady-state model for biomass gasification in a dual circulating fluidized-bed. <i>Energy Conversion and Management</i> , 2012, 54, 100-112.	9.2	49
23	Performance evaluation for dual circulating fluidized-bed steam gasifier of biomass using quasi-equilibrium three-stage gasification model. <i>Applied Energy</i> , 2011, 88, 5208-5220.	10.1	81