Jinsu Kim

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2049335/publications.pdf

Version: 2024-02-01

22	188	1040056	1125743
papers	citations	9 h-index	13 g-index

23	23	23	98
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An integrative process of blast furnace and SOEC for hydrogen utilization: Techno-economic and environmental impact assessment. Energy Conversion and Management, 2021, 250, 114922.	9.2	23
2	Experiment and Modeling of Adsorption of CO from Blast Furnace Gas onto CuCl/Boehmite. Industrial & Engineering Chemistry Research, 2020, 59, 12176-12185.	3.7	18
3	Absolutely robust controllers for chemical reaction networks. Journal of the Royal Society Interface, 2020, 17, 20200031.	3.4	17
4	Some Network Conditions for Positive Recurrence of Stochastically Modeled Reaction Networks. SIAM Journal on Applied Mathematics, 2018, 78, 2692-2713.	1.8	16
5	Techno-economic and environmental impact analysis of tuyere injection of hot reducing gas from low-rank coal gasification in blast furnace. Energy, 2022, 241, 122908.	8.8	15
6	CO recovery from blast furnace gas by vacuum pressure swing adsorption process: Experimental and simulation approach. Journal of Cleaner Production, 2022, 346, 131062.	9.3	12
7	Tier structure of strongly endotactic reaction networks. Stochastic Processes and Their Applications, 2020, 130, 7218-7259.	0.9	10
8	Efficiency, Economic, Energy, and Safety (3ES) Analyses on Different Configurations of MDEA Absorption Process for Coke Oven Gas Desulfurization. Chemical Engineering Journal Advances, 2022, 10, 100281.	5.2	10
9	Modeling of Reaction and Deactivation Kinetics in Methanol-to-Olefins Reaction on SAPO-34. Industrial & Engineering Chemistry Research, 2019, 58, 13227-13238.	3.7	9
10	Stationary distributions of systems with discreteness-induced transitions. Journal of the Royal Society Interface, 2020, 17, 20200243.	3.4	9
11	Derivation of stationary distributions of biochemical reaction networks via structure transformation. Communications Biology, 2021, 4, 620.	4.4	8
12	Process optimization and safety assessment on a pilot-scale Bunsen process in sulfurâ€“iodine cycle. International Journal of Hydrogen Energy, 2021, 46, 33616-33634.	7.1	8
13	Embracing Noise in Chemical Reaction Networks. Bulletin of Mathematical Biology, 2019, 81, 1261-1267.	1.9	5
14	Heat, economic and multi-path safety (HEMPS) management on co-generation of hydrogen and sulfuric acid through modified sulfur-iodine cycle. Journal of Environmental Chemical Engineering, 2022, 10, 107566.	6.7	5
15	Simplified sulfur-iodine cycle process to hydrogen blast furnace: Techno-economic and CO2 mitigation analysis. Journal of Cleaner Production, 2022, 355, 131855.	9.3	5
16	The comprehensive evaluation of available pilot-scale H2S abatement process in a coke-oven gas: Efficiency, economic, energy, and environmental safety (4ES). Journal of Environmental Chemical Engineering, 2021, 9, 106903.	6.7	4
17	Advanced One-Dimensional Entrained-Flow Gasifier Model Considering Melting Phenomenon of Ash. Energies, 2018, 11, 1015.	3.1	3
18	Accuracy of Multiscale Reduction for Stochastic Reaction Systems. Multiscale Modeling and Simulation, 2021, 19, 1633-1658.	1.6	3

#	Article	IF	Citations
19	Stochastic models of nucleosome dynamics reveal regulatory rules of stimulus-induced epigenome remodeling. Cell Reports, 2022, 40, 111076.	6.4	3
20	Slack reactants: A state-space truncation framework to estimate quantitative behavior of the chemical master equation. Journal of Chemical Physics, 2020, 153, 054117.	3.0	2
21	Stochastically modeled weakly reversible reaction networks with a single linkage class. Journal of Applied Probability, 2020, 57, 792-810.	0.7	2
22	Identifiability of stochastically modelled reaction networks. European Journal of Applied Mathematics, 2021, 32, 865-887.	2.9	1