

# Jinsu Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

188  
citations

1040056

9  
h-index

1125743

13  
g-index

23  
all docs

23  
docs citations

23  
times ranked

98  
citing authors

#	ARTICLE	IF	CITATIONS
1	Techno-economic and environmental impact analysis of tuyere injection of hot reducing gas from low-rank coal gasification in blast furnace. <i>Energy</i> , 2022, 241, 122908.	8.8	15
2	CO recovery from blast furnace gas by vacuum pressure swing adsorption process: Experimental and simulation approach. <i>Journal of Cleaner Production</i> , 2022, 346, 131062.	9.3	12
3	Efficiency, Economic, Energy, and Safety (3ES) Analyses on Different Configurations of MDEA Absorption Process for Coke Oven Gas Desulfurization. <i>Chemical Engineering Journal Advances</i> , 2022, 10, 100281.	5.2	10
4	Heat, economic and multi-path safety (HEMPS) management on co-generation of hydrogen and sulfuric acid through modified sulfur-iodine cycle. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107566.	6.7	5
5	Simplified sulfur-iodine cycle process to hydrogen blast furnace: Techno-economic and CO <sub>2</sub> mitigation analysis. <i>Journal of Cleaner Production</i> , 2022, 355, 131855.	9.3	5
6	Stochastic models of nucleosome dynamics reveal regulatory rules of stimulus-induced epigenome remodeling. <i>Cell Reports</i> , 2022, 40, 111076.	6.4	3
7	Identifiability of stochastically modelled reaction networks. <i>European Journal of Applied Mathematics</i> , 2021, 32, 865-887.	2.9	1
8	Derivation of stationary distributions of biochemical reaction networks via structure transformation. <i>Communications Biology</i> , 2021, 4, 620.	4.4	8
9	Process optimization and safety assessment on a pilot-scale Bunsen process in sulfur-iodine cycle. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 33616-33634.	7.1	8
10	An integrative process of blast furnace and SOEC for hydrogen utilization: Techno-economic and environmental impact assessment. <i>Energy Conversion and Management</i> , 2021, 250, 114922.	9.2	23
11	The comprehensive evaluation of available pilot-scale H <sub>2</sub> S abatement process in a coke-oven gas: Efficiency, economic, energy, and environmental safety (4ES). <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106903.	6.7	4
12	Accuracy of Multiscale Reduction for Stochastic Reaction Systems. <i>Multiscale Modeling and Simulation</i> , 2021, 19, 1633-1658.	1.6	3
13	Tier structure of strongly endotactic reaction networks. <i>Stochastic Processes and Their Applications</i> , 2020, 130, 7218-7259.	0.9	10
14	Slack reactants: A state-space truncation framework to estimate quantitative behavior of the chemical master equation. <i>Journal of Chemical Physics</i> , 2020, 153, 054117.	3.0	2
15	Stochastically modeled weakly reversible reaction networks with a single linkage class. <i>Journal of Applied Probability</i> , 2020, 57, 792-810.	0.7	2
16	Stationary distributions of systems with discreteness-induced transitions. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200243.	3.4	9
17	Absolutely robust controllers for chemical reaction networks. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200031.	3.4	17
18	Experiment and Modeling of Adsorption of CO from Blast Furnace Gas onto CuCl/Boehmite. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 12176-12185.	3.7	18

#	ARTICLE	IF	CITATIONS
19	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
20	Embracing Noise in Chemical Reaction Networks. Bulletin of Mathematical Biology, 2019, 81, 1261-1267.	1.9	5
21	Some Network Conditions for Positive Recurrence of Stochastically Modeled Reaction Networks. SIAM Journal on Applied Mathematics, 2018, 78, 2692-2713.	1.8	16
22	Advanced One-Dimensional Entrained-Flow Gasifier Model Considering Melting Phenomenon of Ash. Energies, 2018, 11, 1015.	3.1	3