Li Zhou

List of Publications by Year
in descending order

26 papers	621 citations	687220 13 h-index	580701 25 g-index
26 all docs	26 docs citations	26 times ranked	574 citing authors

#	Article	IF	Citations
1	Sustainability performance evaluation in industry by composite sustainability index. Clean Technologies and Environmental Policy, 2012, 14, 789-803.	2.1	121
2	Nacre-like composite films with high thermal conductivity, flexibility, and solvent stability for thermal management applications. Journal of Materials Chemistry C, 2019, 7, 9018-9024.	2.7	79
3	Optimal design of sustainable hydrogen networks. International Journal of Hydrogen Energy, 2013, 38, 2937-2950.	3.8	62
4	Hydrogen sulfide removal process embedded optimization of hydrogen network. International Journal of Hydrogen Energy, 2012, 37, 18163-18174.	3.8	57
5	An ontology framework towards decentralized information management for eco-industrial parks. Computers and Chemical Engineering, 2018, 118, 49-63.	2.0	42
6	Towards an ontological infrastructure for chemical process simulation and optimization in the context of eco-industrial parks. Applied Energy, 2017, 204, 1284-1298.	5.1	31
7	Integrating feature optimization using a dynamic convolutional neural network for chemical process supervised fault classification. Chemical Engineering Research and Design, 2021, 155, 473-485.	2.7	30
8	MPEC strategies for efficient and stable scheduling of hydrogen pipeline network operation. Applied Energy, 2014, 119, 296-305.	5.1	28
9	Simultaneous Optimization of Heat-Integrated Water Allocation Networks Using the Mathematical Model with Equilibrium Constraints Strategy. Industrial & Engineering Chemistry Research, 2015, 54, 3355-3366.	1.8	26
10	Application of natural language processing in HAZOP reports. Chemical Engineering Research and Design, 2021, 155, 41-48.	2.7	19
11	Architecture model proposal of innovative intelligent manufacturing in the chemical industry based on multi-scale integration and key technologies. Computers and Chemical Engineering, 2020, 141, 106967.	2.0	15
12	Online Optimization of Fluid Catalytic Cracking Process via a Hybrid Model Based on Simplified Structure-Oriented Lumping and Case-Based Reasoning. Industrial & Engineering Chemistry Research, 2021, 60, 412-424.	1.8	15
13	Deep-Learning Architecture in QSPR Modeling for the Prediction of Energy Conversion Efficiency of Solar Cells. Industrial & Engineering Chemistry Research, 2020, 59, 18991-19000.	1.8	13
14	Adaptive Modeling Strategy Integrating Feature Selection and Random Forest for Fluid Catalytic Cracking Processes. Industrial & Engineering Chemistry Research, 2020, 59, 11265-11274.	1.8	13
15	Energy configuration and operation optimization of refinery fuel gas networks. Applied Energy, 2015, 139, 365-375.	5.1	11
16	Predicting Power Conversion Efficiency of Organic Photovoltaics: Models and Data Analysis. ACS Omega, 2021, 6, 23764-23775.	1.6	11
17	A Surrogate-Assisted Approach for the Optimal Synthesis of Refinery Hydrogen Networks. Industrial & Engineering Chemistry Research, 2019, 58, 16798-16812.	1.8	9
18	Comprehensive Machine Learning-Based Model for Predicting Compressive Strength of Ready-Mix Concrete. Materials, 2021, 14, 1068.	1.3	9

#	Article	IF	Citations
19	Adaptive Data Dimensionality Reduction for Chemical Process Modeling Based on the Information Criterion Related to Data Association and Redundancy. Industrial & Engineering Chemistry Research, 2022, 61, 1148-1166.	1.8	8
20	Simulation-Based Multiobjective Optimization of the Product Separation Process within an MTP Plant. Industrial & Engineering Chemistry Research, 2019, 58, 12166-12178.	1.8	6
21	Coal Industrial Supply Chain Network and Associated Evaluation Models. Sustainability, 2020, 12, 9919.	1.6	5
22	Surrogate-assisted optimization of refinery hydrogen networks with hydrogen sulfide removal. Journal of Cleaner Production, 2021, 310, 127477.	4.6	4
23	A machine learning methodology for reliability evaluation of complex chemical production systems. RSC Advances, 2020, 10, 20374-20384.	1.7	3
24	Machine-Learning-Guided Identification of Coordination Polymer Ligands for Crystallizing Separation of Cs/Sr. ACS Applied Materials & Interfaces, 2022, 14, 33076-33084.	4.0	3
25	Design of Refinery Hydrogen Networks with Pressure Swing Adsorption Unit Configuration under Uncertainty: Economy and Flexibility Aspects. Industrial & Engineering Chemistry Research, 2022, 61, 7322-7334.	1.8	1
26	Synthesis and optimization of refinery hydrogen network using surrogate models. Computer Aided Chemical Engineering, 2019, 46, 655-660.	0.3	0