Wenli Du

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10415629/publications.pdf

Version: 2024-02-01

31 papers	1,334 citations	430874 18 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	1203 citing authors

#	Article	IF	Citations
1	Data-driven adaptive robust optimization for energy systems in ethylene plant under demand uncertainty. Applied Energy, 2022, 307, 118148.	10.1	22
2	Data-Driven Stochastic Robust Optimization for Industrial Energy System Considering Renewable Energy Penetration. ACS Sustainable Chemistry and Engineering, 2022, 10, 3690-3703.	6.7	15
3	Bee-foraging learning particle swarm optimization. Applied Soft Computing Journal, 2021, 102, 107134.	7.2	40
4	A data-driven approach for crude oil scheduling optimization under product yield uncertainty. Chemical Engineering Science, 2021, 246, 116971.	3.8	13
5	Fireworks explosion based artificial bee colony for numerical optimization. Knowledge-Based Systems, 2020, 188, 105002.	7.1	14
6	Large-scale industrial energy systems optimization under uncertainty: A data-driven robust optimization approach. Applied Energy, 2020, 259, 114199.	10.1	81
7	Distributed process monitoring based on canonical correlation analysis with partly-connected topology. Control Engineering Practice, 2020, 101, 104500.	5.5	38
8	Multimode Operating Performance Visualization and Nonoptimal Cause Identification. Processes, 2020, 8, 123.	2.8	5
9	Decentralized monitoring for largeâ€scale process using copulaâ€correlation analysis and Bayesian inferenceâ€“based multiblock principal component analysis. Journal of Chemometrics, 2019, 33, e3158.	1.3	8
10	CFD Simulation and Optimization of Gas-Solid Phase Temperature of Isothermal Acetylene Hydrogenation Reactor. International Journal of Chemical Reactor Engineering, 2018, 16, .	1.1	2
11	Teaching-Learning-Based Optimization with Learning Enthusiasm Mechanism and Its Application in Chemical Engineering. Journal of Applied Mathematics, 2018, 2018, 1-19.	0.9	36
12	An Improved Particle Swarm Optimization with Biogeography-Based Learning Strategy for Economic Dispatch Problems. Complexity, 2018, 2018, 1-15.	1.6	28
13	Multiagent Systems on Multilayer Networks: Synchronization Analysis and Network Design. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1655-1667.	9.3	110
14	Computational fluid dynamicsâ€based steam cracking furnace optimization using feedstock flow distribution. AICHE Journal, 2017, 63, 3199-3213.	3.6	12
15	Multimode Process Monitoring and Fault Detection: A Sparse Modeling and Dictionary Learning Method. IEEE Transactions on Industrial Electronics, 2017, 64, 4866-4875.	7.9	101
16	Online Performance Monitoring and Modeling Paradigm Based on Just-in-Time Learning and Extreme Learning Machine for a Non-Gaussian Chemical Process. Industrial & Engineering Chemistry Research, 2017, 56, 6671-6684.	3.7	43
17	Biogeography-based learning particle swarm optimization. Soft Computing, 2017, 21, 7519-7541.	3.6	175
18	Synchronization control in multiplex networks of nonlinear multi-agent systems. Chaos, 2017, 27, 123104.	2.5	18

#	Article	IF	Citations
19	Biogeography-based optimization with covariance matrix based migration. Applied Soft Computing Journal, 2016, 45, 71-85.	7.2	61
20	Parameters identification of solar cell models using generalized oppositional teaching learning based optimization. Energy, 2016, 99, 170-180.	8.8	316
21	Modeling and Optimization of a Steam System in a Chemical Plant Containing Multiple Direct Drive Steam Turbines. Industrial & Engineering Chemistry Research, 2014, 53, 11021-11032.	3.7	34
22	Modeling and Optimization of the Steam Turbine Network of an Ethylene Plant. Chinese Journal of Chemical Engineering, 2013, 21, 520-528.	3.5	23
23	Development of a Kinetic Model for Industrial Entrained Flow Coal Gasifiers. Industrial & Engineering Chemistry Research, 2013, 52, 1819-1828.	3.7	12
24	Optimization of p-xylene oxidation reaction process based on self-adaptive multi-objective differential evolution. Chemometrics and Intelligent Laboratory Systems, 2013, 127, 55-62.	3.5	21
25	Development of a Free Radical Kinetic Model for Industrial Oxidation of p-Xylene Based on Artificial Neural Network and Adaptive Immune Genetic Algorithm. Industrial & Engineering Chemistry Research, 2012, 51, 3229-3237.	3.7	25
26	A chaotic immune algorithm with fuzzy adaptive parameters. Asia-Pacific Journal of Chemical Engineering, 2008, 3, 695-705.	1.5	6
27	Multiobjective evolutionary algorithm based on the Pareto Archive and individual migration. , 2008, , .		0
28	A Novel Time-Delay Recurrent Neural Network and Application for Identifying and Controlling Nonlinear Systems. , 2007, , .		2
29	A Hybrid Algorithm Based on Particle Swarm Optimization and Simulated Annealing for Job Shop Scheduling. , 2007, , .		38
30	Speed Identification of Ultrasonic Motors Based on Evolutionary Elman Network. , 2007, , .		3
31	Development of a kinetic model for industrial oxidation ofp-xylene by RBF-PLS and CCA. AICHE Journal, 2004, 50, 1169-1176.	3.6	32