

Wenli Du

List of Publications by Year in descending order

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31
papers

1,334
citations

489802

18
h-index

591227

27
g-index

31
all docs

31
docs citations

31
times ranked

1364
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-driven adaptive robust optimization for energy systems in ethylene plant under demand uncertainty. <i>Applied Energy</i> , 2022, 307, 118148.	5.1	22
2	Data-Driven Stochastic Robust Optimization for Industrial Energy System Considering Renewable Energy Penetration. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3690-3703.	3.2	15
3	Bee-foraging learning particle swarm optimization. <i>Applied Soft Computing Journal</i> , 2021, 102, 107134.	4.1	40
4	A data-driven approach for crude oil scheduling optimization under product yield uncertainty. <i>Chemical Engineering Science</i> , 2021, 246, 116971.	1.9	13
5	Fireworks explosion based artificial bee colony for numerical optimization. <i>Knowledge-Based Systems</i> , 2020, 188, 105002.	4.0	14
6	Large-scale industrial energy systems optimization under uncertainty: A data-driven robust optimization approach. <i>Applied Energy</i> , 2020, 259, 114199.	5.1	81
7	Distributed process monitoring based on canonical correlation analysis with partly-connected topology. <i>Control Engineering Practice</i> , 2020, 101, 104500.	3.2	38
8	Multimode Operating Performance Visualization and Nonoptimal Cause Identification. <i>Processes</i> , 2020, 8, 123.	1.3	5
9	Decentralized monitoring for large-scale process using copula-correlation analysis and Bayesian inference-based multiblock principal component analysis. <i>Journal of Chemometrics</i> , 2019, 33, e3158.	0.7	8
10	CFD Simulation and Optimization of Gas-Solid Phase Temperature of Isothermal Acetylene Hydrogenation Reactor. <i>International Journal of Chemical Reactor Engineering</i> , 2018, 16, .	0.6	2
11	Teaching-Learning-Based Optimization with Learning Enthusiasm Mechanism and Its Application in Chemical Engineering. <i>Journal of Applied Mathematics</i> , 2018, 2018, 1-19.	0.4	36
12	An Improved Particle Swarm Optimization with Biogeography-Based Learning Strategy for Economic Dispatch Problems. <i>Complexity</i> , 2018, 2018, 1-15.	0.9	28
13	Multiagent Systems on Multilayer Networks: Synchronization Analysis and Network Design. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 1655-1667.	5.9	110
14	Computational fluid dynamics-based steam cracking furnace optimization using feedstock flow distribution. <i>AIChE Journal</i> , 2017, 63, 3199-3213.	1.8	12
15	Multimode Process Monitoring and Fault Detection: A Sparse Modeling and Dictionary Learning Method. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 4866-4875.	5.2	101
16	Online Performance Monitoring and Modeling Paradigm Based on Just-in-Time Learning and Extreme Learning Machine for a Non-Gaussian Chemical Process. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 6671-6684.	1.8	43
17	Biogeography-based learning particle swarm optimization. <i>Soft Computing</i> , 2017, 21, 7519-7541.	2.1	175
18	Synchronization control in multiplex networks of nonlinear multi-agent systems. <i>Chaos</i> , 2017, 27, 123104.	1.0	18

#	ARTICLE	IF	CITATIONS
19	Biogeography-based optimization with covariance matrix based migration. Applied Soft Computing Journal, 2016, 45, 71-85.	4.1	61
20	Parameters identification of solar cell models using generalized oppositional teaching learning based optimization. Energy, 2016, 99, 170-180.	4.5	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.	1.8	34
22	Modeling and Optimization of the Steam Turbine Network of an Ethylene Plant. Chinese Journal of Chemical Engineering, 2013, 21, 520-528.	1.7	23
23	Development of a Kinetic Model for Industrial Entrained Flow Coal Gasifiers. Industrial & Engineering Chemistry Research, 2013, 52, 1819-1828.	1.8	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.	1.8	21
25	Development of a Free Radical Kinetic Model for Industrial Oxidation of <i>p</i> -Xylene Based on Artificial Neural Network and Adaptive Immune Genetic Algorithm. Industrial & Engineering Chemistry Research, 2012, 51, 3229-3237.	1.8	25
26	A chaotic immune algorithm with fuzzy adaptive parameters. Asia-Pacific Journal of Chemical Engineering, 2008, 3, 695-705.	0.8	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 of <i>p</i> -xylene by RBF-PLS and CCA. AIChE Journal, 2004, 50, 1169-1176.	1.8	32