

# Wenli Du

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,334  
citations

430754

18  
h-index

526166

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1203  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Parameters identification of solar cell models using generalized oppositional teaching learning based optimization. Energy, 2016, 99, 170-180.   | 4.5 | 316       |
| 2  | Biogeography-based learning particle swarm optimization. Soft Computing, 2017, 21, 7519-7541.  | 2.1 | 175       |
| 3  | Multiagent Systems on Multilayer Networks: Synchronization Analysis and Network Design. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1655-1667.  | 5.9 | 110       |
| 4  | Multimode Process Monitoring and Fault Detection: A Sparse Modeling and Dictionary Learning Method. IEEE Transactions on Industrial Electronics, 2017, 64, 4866-4875.  | 5.2 | 101       |
| 5  | Large-scale industrial energy systems optimization under uncertainty: A data-driven robust optimization approach. Applied Energy, 2020, 259, 114199.   | 5.1 | 81        |
| 6  | Biogeography-based optimization with covariance matrix based migration. Applied Soft Computing Journal, 2016, 45, 71-85.   | 4.1 | 61        |
| 7  | 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.       | 1.8 | 43        |
| 8  | Bee-foraging learning particle swarm optimization. Applied Soft Computing Journal, 2021, 102, 107134.  | 4.1 | 40        |
| 9  | A Hybrid Algorithm Based on Particle Swarm Optimization and Simulated Annealing for Job Shop Scheduling. , 2007, , .   |     | 38        |
| 10 | Distributed process monitoring based on canonical correlation analysis with partly-connected topology. Control Engineering Practice, 2020, 101, 104500.  | 3.2 | 38        |
| 11 | Teaching-Learning-Based Optimization with Learning Enthusiasm Mechanism and Its Application in Chemical Engineering. Journal of Applied Mathematics, 2018, 2018, 1-19.   | 0.4 | 36        |
| 12 | 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        |
| 13 | Development of a kinetic model for industrial oxidation of p-xylene by RBF-PLS and CCA. AIChE Journal, 2004, 50, 1169-1176.  | 1.8 | 32        |
| 14 | An Improved Particle Swarm Optimization with Biogeography-Based Learning Strategy for Economic Dispatch Problems. Complexity, 2018, 2018, 1-15.  | 0.9 | 28        |
| 15 | 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. | 1.8 | 25        |
| 16 | Modeling and Optimization of the Steam Turbine Network of an Ethylene Plant. Chinese Journal of Chemical Engineering, 2013, 21, 520-528.   | 1.7 | 23        |
| 17 | Data-driven adaptive robust optimization for energy systems in ethylene plant under demand uncertainty. Applied Energy, 2022, 307, 118148.   | 5.1 | 22        |
| 18 | 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Synchronization control in multiplex networks of nonlinear multi-agent systems. <i>Chaos</i> , 2017, 27, 123104.   | 1.0 | 18        |
| 20 | 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        |
| 21 | Fireworks explosion based artificial bee colony for numerical optimization. <i>Knowledge-Based Systems</i> , 2020, 188, 105002.  | 4.0 | 14        |
| 22 | A data-driven approach for crude oil scheduling optimization under product yield uncertainty. <i>Chemical Engineering Science</i> , 2021, 246, 116971.   | 1.9 | 13        |
| 23 | Development of a Kinetic Model for Industrial Entrained Flow Coal Gasifiers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 1819-1828.   | 1.8 | 12        |
| 24 | Computational fluid dynamics-based steam cracking furnace optimization using feedstock flow distribution. <i>AIChE Journal</i> , 2017, 63, 3199-3213.  | 1.8 | 12        |
| 25 | 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         |
| 26 | A chaotic immune algorithm with fuzzy adaptive parameters. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2008, 3, 695-705.   | 0.8 | 6         |
| 27 | Multimode Operating Performance Visualization and Nonoptimal Cause Identification. <i>Processes</i> , 2020, 8, 123.  | 1.3 | 5         |
| 28 | Speed Identification of Ultrasonic Motors Based on Evolutionary Elman Network. , 2007, , .   |     | 3         |
| 29 | A Novel Time-Delay Recurrent Neural Network and Application for Identifying and Controlling Nonlinear Systems. , 2007, , .   |     | 2         |
| 30 | 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         |
| 31 | Multiobjective evolutionary algorithm based on the Pareto Archive and individual migration. , 2008, , .  |     | 0         |