

# Hai-Dong Yang

## List of Publications by Year in descending order

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42  
papers

994  
citations

471509

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434195

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docs citations

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times ranked

817  
citing authors

#	ARTICLE	IF	CITATIONS
1	Locally Weighted Principal Component Analysis-Based Multimode Modeling for Complex Distributed Parameter Systems. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 10504-10514.	9.5	17
2	Online spatiotemporal modeling for time-varying distributed parameter systems using Kernel-based Multilayer Extreme Learning Machine. <i>Nonlinear Dynamics</i> , 2022, 107, 761-780.	5.2	11
3	Dynamic real-time abnormal energy consumption detection and energy efficiency optimization analysis considering uncertainty. <i>Applied Energy</i> , 2022, 307, 118314.	10.1	11
4	Data-driven cleaner production strategy for energy-intensive manufacturing industries: Case studies from Southern and Northern China. <i>Advanced Engineering Informatics</i> , 2022, 53, 101684.	8.0	25
5	A case-practice-theory-based method of implementing energy management in a manufacturing factory. <i>International Journal of Computer Integrated Manufacturing</i> , 2021, 34, 829-843.	4.6	14
6	Abnormal Source Identification for Parabolic Distributed Parameter Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 5698-5707.	9.3	10
7	A Surrogate-Assisted Teaching-Learning-Based Optimization for Parameter Identification of the Battery Model. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 5909-5918.	11.3	21
8	Thermo-economic investigation and optimization of parallel double-evaporator organic Rankine & Kalina cycles driven by the waste heat of an industrial roller kiln: A comparative study. <i>Energy Reports</i> , 2021, 7, 2276-2293.	5.1	6
9	Spatial Correlation-Based Incremental Learning for Spatiotemporal Modeling of Battery Thermal Process. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 2885-2893.	7.9	29
10	Finite Gaussian Mixture Model Based Multimodeling for Nonlinear Distributed Parameter Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 1754-1763.	11.3	15
11	Big data driven predictive production planning for energy-intensive manufacturing industries. <i>Energy</i> , 2020, 211, 118320.	8.8	51
12	Data-driven sustainable intelligent manufacturing based on demand response for energy-intensive industries. <i>Journal of Cleaner Production</i> , 2020, 274, 123155.	9.3	114
13	Spatiotemporal Modeling for Distributed Parameter System under Sparse Sensing. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 16321-16329.	3.7	11
14	Optimal Operational Decision Making of Manufacturers and Authorized Remanufacturers with Patent Licensing under Carbon Cap-and-Trade Regulations. <i>Complexity</i> , 2020, 2020, 1-22.	1.6	1
15	Dimension Embedded Basis Function for Spatiotemporal Modeling of Distributed Parameter System. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 5846-5854.	11.3	13
16	A study on PGEP to evolve heuristic rules for FJSSP considering the total cost of energy consumption and weighted tardiness. <i>Computational and Applied Mathematics</i> , 2019, 38, 1.	2.2	3
17	Approximate and branch-and-bound algorithms for the parallel machine scheduling problem with a single server. <i>Journal of the Operational Research Society</i> , 2019, 70, 1554-1570.	3.4	10
18	A novel extreme learning Machine-based Hammerstein-Wiener model for complex nonlinear industrial processes. <i>Neurocomputing</i> , 2019, 358, 246-254.	5.9	40

#	ARTICLE	IF	CITATIONS
19	Turning part design for joint optimisation of machining and transportation energy consumption. <i>Journal of Cleaner Production</i> , 2019, 232, 67-78.	9.3	10
20	Evolutionary Design of Spatio-temporal Learning Model for Thermal Distribution in Lithium-Ion Batteries. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 2838-2848.	11.3	28
21	Energy-cyber-physical system enabled management for energy-intensive manufacturing industries. <i>Journal of Cleaner Production</i> , 2019, 226, 892-903.	9.3	90
22	Kernel-Based Random Vector Functional-Link Network for Fast Learning of Spatiotemporal Dynamic Processes. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 1016-1026.	9.3	33
23	Cloud manufacturing based service encapsulation and optimal configuration method for injection molding machine. <i>Journal of Intelligent Manufacturing</i> , 2019, 30, 2681-2699.	7.3	28
24	Special issue on smart energy efficient manufacturing. <i>International Journal of Computer Integrated Manufacturing</i> , 2018, 31, 335-336.	4.6	1
25	A collaborative detection approach for internal steam leakage of tyre vulcanization workshop with artificial immune algorithm. <i>Computational and Applied Mathematics</i> , 2018, 37, 4219-4236.	1.3	1
26	State space modelling carbon emission dynamics of machining workshop based on carbon efficiency. <i>International Journal of Computer Integrated Manufacturing</i> , 2018, 31, 426-441.	4.6	4
27	Three-stage optimisation method for concurrent manufacturing energy data collection. <i>International Journal of Computer Integrated Manufacturing</i> , 2018, 31, 479-489.	4.6	3
28	IoT-enabled real-time energy efficiency optimisation method for energy-intensive manufacturing enterprises. <i>International Journal of Computer Integrated Manufacturing</i> , 2018, 31, 362-379.	4.6	64
29	Simulation-based approach to modeling the chip formation energy of polishing process. <i>Machining Science and Technology</i> , 2018, 22, 65-85.	2.5	0
30	Modelling and simulation of energy consumption of ceramic production chains with mixed flows using hybrid Petri nets. <i>International Journal of Production Research</i> , 2018, 56, 3007-3024.	7.5	25
31	Transfer learning for aluminium extrusion electricity consumption anomaly detection via deep neural networks. <i>International Journal of Computer Integrated Manufacturing</i> , 2018, 31, 396-405.	4.6	15
32	A process parameters selection approach for trade-off between energy consumption and polishing quality. <i>International Journal of Computer Integrated Manufacturing</i> , 2018, 31, 380-395.	4.6	6
33	Coloured Petri net-based active sensing system of real-time and multi-source manufacturing information for smart factory. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 94, 3427-3439.	3.0	21
34	An anti-jamming artificial immune approach for energy leakage diagnosis in parallel-machine job shops. <i>Computers in Industry</i> , 2018, 101, 13-24.	9.9	4
35	A big data driven analytical framework for energy-intensive manufacturing industries. <i>Journal of Cleaner Production</i> , 2018, 197, 57-72.	9.3	149
36	A three-stage decomposition approach for energy-aware scheduling with processing-time-dependent product quality. <i>International Journal of Production Research</i> , 2017, 55, 3073-3091.	7.5	25

#	ARTICLE	IF	CITATIONS
37	Unrelated parallel machine scheduling problem with energy and tardiness cost. International Journal of Advanced Manufacturing Technology, 2016, 84, 213-226.	3.0	40
38	An Ant Optimization Model for Unrelated Parallel Machine Scheduling with Energy Consumption and Total Tardiness. Mathematical Problems in Engineering, 2015, 2015, 1-8.	1.1	26
39	Production system performance prediction model based on manufacturing big data. , 2015, , .		5
40	Numerical analysis of electrical logging while drilling tool using propagator matrix method. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2013, 26, 192-203.	1.9	0
41	A Branch-and-Bound Algorithm for Minimizing the Energy Consumption in the PFS Problem. Mathematical Problems in Engineering, 2013, 2013, 1-6.	1.1	14
42	Multi-objective optimization and off-design performance based on thermodynamic-economic-environmental analysis of organic Rankine & Kalina cycles for roller kiln waste heat recovery. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-19.	2.3	0