Yuchun Xu

List of Publications by Year
in descending order

38 papers	1,500 citations	489802 18 h-index	466096 32 g-index
39 all docs	39 docs citations	39 times ranked	1491 citing authors

#	Article	IF	Citations
1	Predictive Maintenance for Remanufacturing Based on Hybrid-Driven Remaining Useful Life Prediction. Applied Sciences (Switzerland), 2022, 12, 3218.	1.3	15
2	Cost Modelling to Support Optimum Selection of Life Extension Strategy for Industrial Equipment in Smart Manufacturing. Circular Economy and Sustainability, 2022, 2, 1425-1444.	3.3	6
3	The investigation of environmental sustainability within product design: a critical review. Design Science, 2022, 8, .	1.1	12
4	Dynamic Scheduling Method for Job-Shop Manufacturing Systems by Deep Reinforcement Learning with Proximal Policy Optimization. Sustainability, 2022, 14, 5177.	1.6	14
5	The aperiodic facility layout problem with time-varying demands and an optimal master-slave solution approach. International Journal of Production Research, 2021, 59, 5216-5235.	4.9	2
6	Metric-based meta-learning model for few-shot fault diagnosis under multiple limited data conditions. Mechanical Systems and Signal Processing, 2021, 155, 107510.	4.4	96
7	Review of The Optimization Algorithms for Remanufacturing Disassembly Line. , 2021, , .		4
8	Remaining Useful Life Estimation for Turbofan Engine with Transformer-based Deep Architecture. , 2021, , .		11
9	Weighted Multi-Element Synthetic Aperture Focusing Technique Algorithm of Ultrasonic Non-Destructive Testing on Machinery. , 2021, , .		0
10	Towards Smart Remanufacturing and Maintenance of Machinery - Review of Automated Inspection, Condition Monitoring and Production Optimisation. , 2020, , .		6
11	Ergonomic evaluation on the manufacturing shop floor: A review of hardware and software technologies. CIRP Journal of Manufacturing Science and Technology, 2020, 30, 68-78.	2.3	12
12	The continuous maximal covering location problem in large-scale natural disaster rescue scenes. Computers and Industrial Engineering, 2020, 146, 106608.	3.4	13
13	The continuous pollution routing problem. Applied Mathematics and Computation, 2020, 387, 125072.	1.4	52
14	RECLAIM: Toward a New Era of Refurbishment and Remanufacturing of Industrial Equipment. Frontiers in Artificial Intelligence, 2020, 3, 570562.	2.0	18
15	A new formulation of the electric vehicle routing problem with time windows considering concave nonlinear charging function. Journal of Cleaner Production, 2019, 236, 117687.	4.6	53
16	Optimal mathematical programming and variable neighborhood search for k-modes categorical data clustering. Pattern Recognition, 2019, 90, 183-195.	5.1	13
17	Summary of Cloud Robot Research. , 2019, , .		8
18	An autonomous system for maintenance scheduling data-rich complex infrastructure: Fusing the railwaysâ€™ condition, planning and cost. Transportation Research Part C: Emerging Technologies, 2018, 89, 234-253.	3.9	44

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19	Design and implementation of ergonomic risk assessment feedback system for improved work posture assessment. Theoretical Issues in Ergonomics Science, 2018, 19, 431-455.	1.0	10
20	An Internet of Things based framework to enhance just-in-time manufacturing. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 2353-2363.	1.5	26
21	The Development of an Automatic Inspection System Used for the Maintenance of Rail Tunnels. , 2018, , .		4
22	Lean Implementation Frameworks: The Challenges for SMEs. Procedia CIRP, 2017, 63, 750-755.	1.0	70
23	The Role of Leadership in Implementing Lean Manufacturing. Procedia CIRP, 2017, 63, 756-761.	1.0	78
24	Improving Just-in-Time Manufacturing Operations by Using Internet of Things Based Solutions. Procedia CIRP, 2016, 56, 326-331.	1.0	36
25	Bi-objective optimization for low-carbon product family design. Robotics and Computer-Integrated Manufacturing, 2016, 41, 53-65.	6.1	28
26	Gesture Detection Towards Real-Time Ergonomic Analysis for Intelligent Automation Assistance. Advances in Intelligent Systems and Computing, 2016, , 217-228.	0.5	7
27	Integrating through-life engineering service knowledge with product design and manufacture. International Journal of Computer Integrated Manufacturing, 2015, 28, 59-74.	2.9	34
28	Towards lean transformation: the analysis of lean implementation frameworks. Journal of Manufacturing Technology Management, 2015, 26, 1031-1052.	3.3	54
29	Energy-aware integrated process planning and scheduling for job shops. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 13-26.	1.5	52
30	Cost modelling to support optimised selection of End-of-Life options for automotive components. International Journal of Advanced Manufacturing Technology, 2014, 73, 399-407.	1.5	15
31	A variable neighborhood search with an effective local search for uncapacitated multilevel lot-sizing problems. European Journal of Operational Research, 2014, 235, 102-114.	3.5	28
32	Develop a cost model to evaluate the economic benefit of remanufacturing based on specific technique. Journal of Remanufacturing, 2014, 4, 1.	1.6	22
33	Configuration Management in Aerospace Industry. Procedia CIRP, 2013, 11, 183-186.	1.0	13
34	Cost Engineering for manufacturing: Current and future research. International Journal of Computer Integrated Manufacturing, 2012, 25, 300-314.	2.9	68
35	Process mining: from theory to practice. Business Process Management Journal, 2012, 18, 493-512.	2.4	43
36	A framework for design knowledge management and reuse for Product-Service Systems in construction machinery industry. Computers in Industry, 2012, 63, 328-337.	5.7	73

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37	Development of a fuel consumption optimization model for the capacitated vehicle routing problem. Computers and Operations Research, 2012, 39, 1419-1431.	2.4	457
38	Human resources allocation for aircraft maintenance with predefined sequence. Journal of Systems Engineering and Electronics, 2010, 21, 1008-1013.	1.1	3