

Xi Gu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

847
citations

686830

13
h-index

794141

19
g-index

22
all docs

22
docs citations

22
times ranked

594
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconfigurable manufacturing systems: Principles, design, and future trends. <i>Frontiers of Mechanical Engineering</i> , 2018, 13, 121-136.	2.5	269
2	Value creation through design for scalability of reconfigurable manufacturing systems. <i>International Journal of Production Research</i> , 2017, 55, 1227-1242.	4.9	137
3	Manufacturing System Design for Resilience. <i>Procedia CIRP</i> , 2015, 36, 135-140.	1.0	71
4	Preventive maintenance opportunities for large production systems. <i>CIRP Annals - Manufacturing Technology</i> , 2015, 64, 447-450.	1.7	47
5	Sustainable Living Factories for Next Generation Manufacturing. <i>Procedia Manufacturing</i> , 2018, 21, 26-36.	1.9	45
6	Choosing the system configuration for high-volume manufacturing. <i>International Journal of Production Research</i> , 2018, 56, 476-490.	4.9	43
7	Prediction of Passive Maintenance Opportunity Windows on Bottleneck Machines in Complex Manufacturing Systems. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2015, 137, .	1.3	36
8	Manufacturing system architecture for cost-effective mass-individualization. <i>Manufacturing Letters</i> , 2018, 16, 44-48.	1.1	32
9	Performance evaluation for manufacturing systems under control-limit maintenance policy. <i>Journal of Manufacturing Systems</i> , 2020, 55, 221-232.	7.6	28
10	Hidden maintenance opportunities in discrete and complex production lines. <i>Expert Systems With Applications</i> , 2013, 40, 4353-4361.	4.4	25
11	Estimation of active maintenance opportunity windows in Bernoulli production lines. <i>Journal of Manufacturing Systems</i> , 2017, 45, 109-120.	7.6	22
12	The impact of maintainability on the manufacturing system architecture. <i>International Journal of Production Research</i> , 2017, 55, 4392-4410.	4.9	20
13	Stochastic maintenance opportunity windows for unreliable two-machine one-buffer system. <i>Expert Systems With Applications</i> , 2013, 40, 5385-5394.	4.4	11
14	The impact of corporate culture on manufacturing system design. <i>CIRP Annals - Manufacturing Technology</i> , 2016, 65, 413-416.	1.7	11
15	Option-Based Design for Resilient Manufacturing Systems. <i>IFAC-PapersOnLine</i> , 2016, 49, 1602-1607.	0.5	10
16	Joint decision-making of production and maintenance in mixed model assembly systems with delayed differentiation configurations. <i>International Journal of Production Research</i> , 2020, 58, 4071-4085.	4.9	8
17	Modeling of reconfigurable manufacturing system architecture with geometric machines and in-stage gantries. <i>Journal of Manufacturing Systems</i> , 2022, 62, 102-113.	7.6	6
18	Resilience Measures of Manufacturing Systems Under Disruptions. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
19	Extension of Maintenance Opportunity Windows to General Manufacturing Systems. , 2012, , .		2
20	Discovery of hidden maintenance opportunities in automotive assembly lines: MOW and GMOW. International Journal of Advanced Manufacturing Technology, 2013, 68, 2611-2623.	1.5	2
21	Real-Time Maintenance Policy in Manufacturing Systems With Intermediate Buffers. , 2015, , .		1