

Yoram Koren

List of Publications by Year in descending order

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52
papers

4,787
citations

172207

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264894

42
g-index

77
all docs

77
docs citations

77
times ranked

2209
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconfigurable Manufacturing System. , 2019, , 1417-1423.		1
2	Manufacturing system architecture for cost-effective mass-individualization. Manufacturing Letters, 2018, 16, 44-48.	1.1	32
3	Sustainable Living Factories for Next Generation Manufacturing. Procedia Manufacturing, 2018, 21, 26-36.	1.9	45
4	Choosing the system configuration for high-volume manufacturing. International Journal of Production Research, 2018, 56, 476-490.	4.9	43
5	Reconfigurable manufacturing systems: Principles, design, and future trends. Frontiers of Mechanical Engineering, 2018, 13, 121-136.	2.5	269
6	Real-time teaming of multiple reconfigurable manufacturing systems. CIRP Annals - Manufacturing Technology, 2018, 67, 437-440.	1.7	27
7	Value creation through design for scalability of reconfigurable manufacturing systems. International Journal of Production Research, 2017, 55, 1227-1242.	4.9	137
8	The impact of corporate culture on manufacturing system design. CIRP Annals - Manufacturing Technology, 2016, 65, 413-416.	1.7	11
9	Social manufacturing as a sustainable paradigm for mass individualization. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 1961-1968.	1.5	87
10	Reconfigurable Manufacturing System. , 2016, , 1-6.		4
11	Manufacturing System Design for Resilience. Procedia CIRP, 2015, 36, 135-140.	1.0	71
12	Reconfigurable Manufacturing System. , 2014, , 1035-1039.		3
13	Assembly System Reconfiguration Planning. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2013, 135, .	1.3	29
14	The rapid responsiveness of RMS. International Journal of Production Research, 2013, 51, 6817-6827.	4.9	97
15	Design Principles of Scalable Reconfigurable Manufacturing Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1411-1416.	0.4	11
16	Optimal control of an assembly system with demand for the end-product and intermediate components. IIE Transactions, 2012, 44, 386-403.	2.1	16
17	A complexity model for sequence planning in mixed-model assembly lines. Journal of Manufacturing Systems, 2012, 31, 121-130.	7.6	47
18	Scalability planning for reconfigurable manufacturing systems. Journal of Manufacturing Systems, 2012, 31, 83-91.	7.6	195

#	ARTICLE	IF	CITATIONS
19	Design of reconfigurable manufacturing systems. Journal of Manufacturing Systems, 2010, 29, 130-141.	7.6	618
20	Modeling of Manufacturing Complexity in Mixed-Model Assembly Lines. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2008, 130, .	1.3	114
21	Sequence Planning to Minimize Complexity in Mixed-Model Assembly Lines. , 2007, , .		11
22	Operation management in reconfigurable manufacturing systems: Reconfiguration for error handling. International Journal of Production Economics, 2006, 100, 87-100.	5.1	70
23	Balancing Marketing and Manufacturing Objectives in Product Line Design. Journal of Mechanical Design, Transactions of the ASME, 2006, 128, 1196-1204.	1.7	123
24	Concurrent Line-Balancing, Equipment Selection and Throughput Analysis for Multi-Part Optimal Line Design. Journal for Manufacturing Science and Production, 2004, 6, 71-82.	0.1	23
25	Adaptive fuzzy logic controller for feed drives of a CNC machine tool. Mechatronics, 2004, 14, 299-326.	2.0	42
26	Operation of Manufacturing Systems with Work-in-process Inventory and Production Control. CIRP Annals - Manufacturing Technology, 2004, 53, 361-365.	1.7	29
27	A smart boring tool for process control. Mechatronics, 2002, 12, 1097-1114.	2.0	21
28	Open Controller Architecture “ Past, Present and Future. CIRP Annals - Manufacturing Technology, 2001, 50, 463-470.	1.7	162
29	Ruled Surface Machining on Five-Axis CNC Machine Tools. Journal of Manufacturing Processes, 2000, 2, 25-35.	2.8	11
30	Reconfigurable manufacturing systems and their enabling technologies. International Journal of Manufacturing Technology and Management, 2000, 1, 114.	0.1	132
31	Impact of Manufacturing System Configuration on Performance. CIRP Annals - Manufacturing Technology, 1998, 47, 369-372.	1.7	170
32	Error Source Diagnostics Using a Turning Process Simulator. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 1998, 120, 409-416.	1.3	9
33	Control of Machine Tools. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 1997, 119, 749-755.	1.3	101
34	Stream-of-Variation Theory for Automotive Body Assembly. CIRP Annals - Manufacturing Technology, 1997, 46, 1-6.	1.7	239
35	Critical Issues in Development of Open Architecture Controllers. , 1996, , .		0
36	Real-Time Open Control Architectures and System Performance. CIRP Annals - Manufacturing Technology, 1996, 45, 377-380.	1.7	60

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37	Five-Axis Surface Interpolators. CIRP Annals - Manufacturing Technology, 1995, 44, 379-382.	1.7	62
38	Evaluation of Servo-Controllers for Machine Tools. , 1992, , .		3
39	Flank Wear Estimation Under Varying Cutting Conditions. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1991, 113, 300-307.	0.9	42
40	Computerized Defensive Driving Rules For Highway Maneuvers. , 1990, , .		7
41	Direct-Drive Robots, Theory and Practice. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1989, 111, 119-120.	0.9	67
42	The Optimal Locus Approach With Machining Applications. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1989, 111, 260-267.	0.9	14
43	Stability of the Optimal Locus System. , 1989, , .		0
44	The Optimal Locus Methodology in Process Control. CIRP Annals - Manufacturing Technology, 1988, 37, 447-450.	1.7	0
45	Adaptive Control Systems for Machining. , 1988, , .		5
46	Variable gain adaptive control system for turning. Journal of Manufacturing Systems, 1983, 2, 165-173.	7.6	31
47	Principal Developments in the Adaptive Control of Machine Tools. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1983, 105, 107-112.	0.9	133
48	Off-Line Grinding Optimization with a Micro-Computer. CIRP Annals - Manufacturing Technology, 1980, 29, 213-216.	1.7	29
49	Adaptive Control System for Turning. CIRP Annals - Manufacturing Technology, 1980, 29, 281-284.	1.7	94
50	Cross-Coupled Biaxial Computer Control for Manufacturing Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1980, 102, 265-272.	0.9	866
51	Design Parameters for Sampled-Data Drives for CNC Machine Tools. IEEE Transactions on Industry Applications, 1978, IA-14, 255-264.	3.3	17
52	A self-organizing fuzzy logic control for friction compensation in feed drives. , 0, , .		8