

Yoram Koren

List of Publications by Year in descending order

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52
papers

4,787
citations

172207

29
h-index

264894

42
g-index

77
all docs

77
docs citations

77
times ranked

2209
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Design of reconfigurable manufacturing systems. Journal of Manufacturing Systems, 2010, 29, 130-141.	7.6	618
3	Reconfigurable manufacturing systems: Principles, design, and future trends. Frontiers of Mechanical Engineering, 2018, 13, 121-136.	2.5	269
4	Stream-of-Variation Theory for Automotive Body Assembly. CIRP Annals - Manufacturing Technology, 1997, 46, 1-6.	1.7	239
5	Scalability planning for reconfigurable manufacturing systems. Journal of Manufacturing Systems, 2012, 31, 83-91.	7.6	195
6	Impact of Manufacturing System Configuration on Performance. CIRP Annals - Manufacturing Technology, 1998, 47, 369-372.	1.7	170
7	Open Controller Architecture – Past, Present and Future. CIRP Annals - Manufacturing Technology, 2001, 50, 463-470.	1.7	162
8	Value creation through design for scalability of reconfigurable manufacturing systems. International Journal of Production Research, 2017, 55, 1227-1242.	4.9	137
9	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
10	Reconfigurable manufacturing systems and their enabling technologies. International Journal of Manufacturing Technology and Management, 2000, 1, 114.	0.1	132
11	Balancing Marketing and Manufacturing Objectives in Product Line Design. Journal of Mechanical Design, Transactions of the ASME, 2006, 128, 1196-1204.	1.7	123
12	Modeling of Manufacturing Complexity in Mixed-Model Assembly Lines. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2008, 130, .	1.3	114
13	Control of Machine Tools. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 1997, 119, 749-755.	1.3	101
14	The rapid responsiveness of RMS. International Journal of Production Research, 2013, 51, 6817-6827.	4.9	97
15	Adaptive Control System for Turning. CIRP Annals - Manufacturing Technology, 1980, 29, 281-284.	1.7	94
16	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
17	Manufacturing System Design for Resilience. Procedia CIRP, 2015, 36, 135-140.	1.0	71
18	Operation management in reconfigurable manufacturing systems: Reconfiguration for error handling. International Journal of Production Economics, 2006, 100, 87-100.	5.1	70

#	ARTICLE	IF	CITATIONS
19	Direct-Drive Robots, Theory and Practice. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1989, 111, 119-120.	0.9	67
20	Five-Axis Surface Interpolators. CIRP Annals - Manufacturing Technology, 1995, 44, 379-382.	1.7	62
21	Real-Time Open Control Architectures and System Performance. CIRP Annals - Manufacturing Technology, 1996, 45, 377-380.	1.7	60
22	A complexity model for sequence planning in mixed-model assembly lines. Journal of Manufacturing Systems, 2012, 31, 121-130.	7.6	47
23	Sustainable Living Factories for Next Generation Manufacturing. Procedia Manufacturing, 2018, 21, 26-36.	1.9	45
24	Choosing the system configuration for high-volume manufacturing. International Journal of Production Research, 2018, 56, 476-490.	4.9	43
25	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
26	Adaptive fuzzy logic controller for feed drives of a CNC machine tool. Mechatronics, 2004, 14, 299-326.	2.0	42
27	Manufacturing system architecture for cost-effective mass-individualization. Manufacturing Letters, 2018, 16, 44-48.	1.1	32
28	Variable gain adaptive control system for turning. Journal of Manufacturing Systems, 1983, 2, 165-173.	7.6	31
29	Off-Line Grinding Optimization with a Micro-Computer. CIRP Annals - Manufacturing Technology, 1980, 29, 213-216.	1.7	29
30	Operation of Manufacturing Systems with Work-in-process Inventory and Production Control. CIRP Annals - Manufacturing Technology, 2004, 53, 361-365.	1.7	29
31	Assembly System Reconfiguration Planning. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2013, 135, .	1.3	29
32	Real-time teaming of multiple reconfigurable manufacturing systems. CIRP Annals - Manufacturing Technology, 2018, 67, 437-440.	1.7	27
33	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
34	A smart boring tool for process control. Mechatronics, 2002, 12, 1097-1114.	2.0	21
35	Design Parameters for Sampled-Data Drives for CNC Machine Tools. IEEE Transactions on Industry Applications, 1978, IA-14, 255-264.	3.3	17
36	Optimal control of an assembly system with demand for the end-product and intermediate components. IIE Transactions, 2012, 44, 386-403.	2.1	16

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37	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
38	Ruled Surface Machining on Five-Axis CNC Machine Tools. Journal of Manufacturing Processes, 2000, 2, 25-35.	2.8	11
39	Sequence Planning to Minimize Complexity in Mixed-Model Assembly Lines. , 2007, , .		11
40	Design Principles of Scalable Reconfigurable Manufacturing Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1411-1416.	0.4	11
41	The impact of corporate culture on manufacturing system design. CIRP Annals - Manufacturing Technology, 2016, 65, 413-416.	1.7	11
42	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
43	A self-organizing fuzzy logic control for friction compensation in feed drives. , 0, , .		8
44	Computerized Defensive Driving Rules For Highway Maneuvers. , 1990, , .		7
45	Adaptive Control Systems for Machining. , 1988, , .		5
46	Reconfigurable Manufacturing System. , 2016, , 1-6.		4
47	Evaluation of Servo-Controllers for Machine Tools. , 1992, , .		3
48	Reconfigurable Manufacturing System. , 2014, , 1035-1039.		3
49	Reconfigurable Manufacturing System. , 2019, , 1417-1423.		1
50	The Optimal Locus Methodology in Process Control. CIRP Annals - Manufacturing Technology, 1988, 37, 447-450.	1.7	0
51	Critical Issues in Development of Open Architecture Controllers. , 1996, , .		0
52	Stability of the Optimal Locus System. , 1989, , .		0