

Shimon Y Nof

List of Publications by Year in descending order

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257
papers

3,571
citations

136740

32
h-index

233125

45
g-index

275
all docs

275
docs citations

275
times ranked

1550
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-agent system optimisation in factories of the future: cyber collaborative warehouse study. International Journal of Production Research, 2022, 60, 6072-6086.	4.9	6
2	Plant stress propagation detection and monitoring with disruption propagation network modelling and Bayesian network inference. International Journal of Production Research, 2022, 60, 723-741.	4.9	2
3	Human-in-the-loop: Role in Cyber Physical Agricultural Systems. International Journal of Computers, Communications and Control, 2021, 16, .	1.2	8
4	Emerging Directions of Precision Agriculture and Agricultural Robotics. Progress in Precision Agriculture, 2021, , 177-210.	1.1	7
5	Dynamic Lines of Collaboration. Automation, Collaboration, and E-services, 2020, , .	0.5	4
6	Strategic lines of collaboration in response to disruption propagation (CRDP) through cyber-physical systems. International Journal of Production Economics, 2020, 230, 107865.	5.1	6
7	Smart action. , 2020, , 225-277.		8
8	Evolving DLOC Theory and Emerging Applications. Automation, Collaboration, and E-services, 2020, , 97-107.	0.5	0
9	Applications and Experiments. Automation, Collaboration, and E-services, 2020, , 73-95.	0.5	0
10	The DLOC Model. Automation, Collaboration, and E-services, 2020, , 33-50.	0.5	0
11	Protocols for the Dynamic Lines of Collaboration. Automation, Collaboration, and E-services, 2020, , 51-66.	0.5	0
12	Collaborative e-Work and Collaborative Control Theory for Disruption Handling and Control. Automation, Collaboration, and E-services, 2020, , 23-31.	0.5	0
13	A collaborative control protocol for agricultural robot routing with online adaptation. Computers and Industrial Engineering, 2019, 135, 456-466.	3.4	24
14	Collaborative Response to Disruption Propagation with Established Lines of Collaboration (CRDP/ESLOC) in Cyber-Physical Systems: Informatics for Decision Support. Procedia Manufacturing, 2019, 39, 429-438.	1.9	2
15	Collaborative Control Protocol for Agricultural Cyber-physical System. Procedia Manufacturing, 2019, 39, 235-242.	1.9	14
16	Advancing Cyber-Physical Systems Resilience: The Effects of Evolving Disruptions. Procedia Manufacturing, 2019, 39, 334-340.	1.9	4
17	Collaboration Requirement Planning Protocol for HUB-CI in Factories of the Future. Procedia Manufacturing, 2019, 39, 218-225.	1.9	11
18	Collaborative response to disruption propagation (CRDP) in cyber-physical systems and complex networks. Decision Support Systems, 2019, 117, 1-13.	3.5	25

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19	Intelligent information sharing among manufacturers in supply networks: supplier selection case. <i>Journal of Intelligent Manufacturing</i> , 2018, 29, 1097-1113.	4.4	11
20	Differentiated service policy in smart warehouse automation. <i>International Journal of Production Research</i> , 2018, 56, 6956-6970.	4.9	38
21	Collaborative service-component integration in cloud manufacturing. <i>International Journal of Production Research</i> , 2018, 56, 677-691.	4.9	65
22	Perspectives on Manufacturing Automation Under the Digital and Cyber Convergence. <i>Polytechnica</i> , 2018, 1, 36-47.	2.1	13
23	Agricultural cyber physical system collaboration for greenhouse stress management. <i>Computers and Electronics in Agriculture</i> , 2018, 150, 439-454.	3.7	38
24	A Modified Distributed Bees Algorithm for Multi-Sensor Task Allocation. <i>Sensors</i> , 2018, 18, 759.	2.1	23
25	Resilience Informatics for Cyber-augmented Manufacturing Networks (CMN): Centrality, Flow and Disruption. <i>Studies in Informatics and Control</i> , 2018, 27, .	0.6	6
26	Collaborative e-work parallelism in supply decisions networks: the chemical dimension. <i>Journal of Intelligent Manufacturing</i> , 2017, 28, 1337-1355.	4.4	9
27	Multi-sensor task allocation framework for supply networks security using task administration protocols. <i>International Journal of Production Research</i> , 2017, 55, 5202-5224.	4.9	15
28	The constrained-collaboration algorithm for intelligent resource distribution in supply networks. <i>Computers and Industrial Engineering</i> , 2017, 113, 803-818.	3.4	8
29	Resilience in supply networks: Definition, dimensions, and levels. <i>Annual Reviews in Control</i> , 2017, 43, 224-236.	4.4	47
30	Best Matching Theory & Applications. <i>Automation, Collaboration, and E-services</i> , 2017, , .	0.5	8
31	The PRISM Taxonomy of Best Matching. <i>Automation, Collaboration, and E-services</i> , 2017, , 19-42.	0.5	0
32	Dynamic and Distributed Matching. <i>Automation, Collaboration, and E-services</i> , 2017, , 125-165.	0.5	1
33	Extended Examples of Best Matching. <i>Automation, Collaboration, and E-services</i> , 2017, , 167-219.	0.5	0
34	Mathematical Models of Best Matching. <i>Automation, Collaboration, and E-services</i> , 2017, , 43-62.	0.5	0
35	Introduction: Best Matching and Best Match. <i>Automation, Collaboration, and E-services</i> , 2017, , 1-17.	0.5	0
36	Frontiers in Best Matching. <i>Automation, Collaboration, and E-services</i> , 2017, , 221-228.	0.5	0

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37	Collaboration protocols for sustainable wind energy distribution networks. International Journal of Production Economics, 2016, 182, 496-507.	5.1	5
38	Parallelism of Pick-and-Place operations by multi-gripper robotic arms. Robotics and Computer-Integrated Manufacturing, 2016, 42, 135-146.	6.1	33
39	A best-matching protocol for order fulfillment in re-configurable supply networks. Computers in Industry, 2016, 82, 160-169.	5.7	9
40	Resource sharing in cyber-physical systems: modelling framework and case studies. International Journal of Production Research, 2016, 54, 6969-6983.	4.9	62
41	Design and administration of collaborative networked headquarters. International Journal of Production Research, 2016, 54, 7074-7090.	4.9	8
42	Real-time optimization and control mechanisms for collaborative demand and capacity sharing. International Journal of Production Economics, 2016, 171, 495-506.	5.1	19
43	Intelligent contingent multi-sourcing model for resilient supply networks. Expert Systems With Applications, 2016, 51, 107-119.	4.4	15
44	Dynamic storage assignment with product affinity and ABC classification—a case study. International Journal of Advanced Manufacturing Technology, 2016, 84, 2179-2194.	1.5	66
45	Co-Insights framework for collaborative decision support and tacit knowledge transfer. Expert Systems With Applications, 2016, 45, 85-96.	4.4	7
46	Collaborative Intelligence - Definition and Measured Impacts on Internetworked e-Work. Management and Production Engineering Review, 2015, 6, 67-78.	1.4	8
47	Adaptive Fuzzy Collaborative Task Assignment for Heterogeneous Multirobot Systems. International Journal of Intelligent Systems, 2015, 30, 731-762.	3.3	9
48	Asynchronous cooperation requirement planning with reconfigurable end-effectors. Robotics and Computer-Integrated Manufacturing, 2015, 34, 95-104.	6.1	15
49	Balanceable assembly lines with dynamic tool sharing and “best matching decisions” a collaborative assembly framework. IIE Transactions, 2015, 47, 1363-1378.	2.1	4
50	Adaptive direct/indirect delivery decision protocol by collaborative negotiation among manufacturers, distributors, and retailers. International Journal of Production Economics, 2015, 167, 232-245.	5.1	14
51	Emerging Trends and Research Challenges. , 2015, , 391-420.		0
52	Factory Sensors and RFID Networks. , 2015, , 273-313.		0
53	The dynamic lines of collaboration model: Collaborative disruption response in cyber-physical systems. Computers and Industrial Engineering, 2015, 87, 370-382.	3.4	29
54	Optimization and Control. , 2015, , 115-165.		2

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55	Revolutionizing Collaboration through e-Work, e-Business, and e-Service. Automation, Collaboration, and E-services, 2015, , .	0.5	52
56	e-Learning and e-Training. , 2015, , 357-390.		4
57	Rationalization. , 2015, , 77-114.		0
58	Manufacturing Service: From e-Work and Service-Oriented Approach towards a Product-Service Architecture. IFAC-PapersOnLine, 2015, 48, 1628-1633.	0.5	20
59	Real-time administration of tool sharing and best matching to enhance assembly lines balanceability and flexibility. Mechatronics, 2015, 31, 147-157.	2.0	9
60	A resilience by teaming framework for collaborative supply networks. Computers and Industrial Engineering, 2015, 90, 67-85.	3.4	29
61	Manufacturing-as-a-Serviceâ€™From e-Work and Service-Oriented Architecture to the Cloud Manufacturing Paradigm. IFAC-PapersOnLine, 2015, 48, 828-833.	0.5	21
62	Best-matching with interdependent preferencesâ€™implications for capacitated cluster formation and evolution. Decision Support Systems, 2015, 79, 125-137.	3.5	10
63	Resilience by teaming in supply network formation and re-configuration. International Journal of Production Economics, 2015, 160, 80-93.	5.1	58
64	e-Logistics, e-Production, and e-Supply Networks. , 2015, , 237-271.		1
65	e-Work in Product and Service Development. , 2015, , 203-235.		0
66	Design with Collaborative Control Theory. , 2015, , 33-75.		2
67	e-Service Industry. , 2015, , 315-356.		0
68	Tools for e-Work. , 2015, , 167-201.		0
69	Definitions, Scope, and Significance. Automation, Collaboration, and E-services, 2015, , 1-32.	0.5	1
70	Collaborative capacity sharing among manufacturers on the same supply network horizontal layer for sustainable and balanced returns. International Journal of Production Research, 2014, 52, 1622-1643.	4.9	44
71	User Requirement Analysis for an Online Collaboration Tool for Senior Industrial Engineering Design Course. Human Factors and Ergonomics in Manufacturing, 2014, 24, 557-573.	1.4	6
72	Telerobot-enabled HUB-CI model for collaborative lifecycle management of design and prototyping. Computers in Industry, 2014, 65, 550-562.	5.7	17

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73	Dynamic coalition reformation for adaptive demand and capacity sharing. International Journal of Production Economics, 2014, 147, 136-146.	5.1	33
74	Combined demand and capacity sharing with best matching decisions in enterprise collaboration. International Journal of Production Economics, 2014, 148, 93-109.	5.1	47
75	Collaboration Platform for Sustainable Wind Energy Distribution Network. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4266-4271.	0.4	1
76	Dynamic Lines of Collaboration in CPS Disruption Response. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 7855-7860.	0.4	9
77	Design of Protocols for Task Administration in Collaborative Production Systems. International Journal of Computers, Communications and Control, 2014, 5, 91.	1.2	11
78	A protocol for processing interfered data in facility sensor networks. International Journal of Advanced Manufacturing Technology, 2013, 67, 2377-2385.	1.5	6
79	A decision support methodology for dynamic taxiway and runway conflict prevention. Decision Support Systems, 2013, 55, 165-174.	3.5	20
80	Collaborative intelligence in knowledge based service planning. Expert Systems With Applications, 2013, 40, 6778-6787.	4.4	22
81	A collaborative telerobotics network framework with hand gesture interface and conflict prevention. International Journal of Production Research, 2013, 51, 4443-4463.	4.9	20
82	Automatic Multi-sensor Task Allocation Using Modified Distributed Bees Algorithm. , 2013, , .		7
83	Laser and Photonic Systems Integration: Emerging Innovations and Framework for Research and Education. Human Factors and Ergonomics in Manufacturing, 2013, 23, 483-516.	1.4	7
84	Collaborative production line control: Minimisation of throughput variability and WIP. International Journal of Production Research, 2013, 51, 7289-7307.	4.9	20
85	HUB-CI Model for Collaborative Telerobotics in Manufacturing. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 63-68.	0.4	8
86	Research Advances in Manufacturing with Service-Oriented e-Work and Production. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 251-256.	0.4	4
87	Dynamic Tool Sharing with Best Matching Protocols for Efficient Assembly Line Balancing. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 426-431.	0.4	2
88	Constraint-based conflict and error management. Engineering Optimization, 2012, 44, 821-841.	1.5	6
89	Collaborative production line control for collaborative supply networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 487-492.	0.4	0
90	Security of Supply Chains by Automatic Multi-Agents Collaboration. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 475-480.	0.4	3

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91	Sustainability decision support system based on collaborative control theory. Annual Reviews in Control, 2012, 36, 85-100.	4.4	46
92	Design and application of task administration protocols for collaborative production and service systems. International Journal of Production Economics, 2012, 135, 177-189.	5.1	40
93	Conflict and error prevention and detection in complex networks. Automatica, 2012, 48, 770-778.	3.0	29
94	Cooperative production switchover coordination for the real-time order acceptance decision. International Journal of Production Research, 2011, 49, 1813-1826.	4.9	13
95	Intelligent Alert Systems for Error and Conflict Detection in Supply Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1602-1607.	0.4	2
96	A framework of enroute air traffic conflict detection and resolution through complex network analysis. Computers in Industry, 2011, 62, 787-794.	5.7	27
97	Analysis of effectiveness and benefits of collaboration modes with information- and knowledge-sharing. Journal of Intelligent Manufacturing, 2011, 22, 101-112.	4.4	23
98	Affiliation/dissociation decision models in demand and capacity sharing collaborative network. International Journal of Production Economics, 2011, 130, 135-143.	5.1	40
99	Understanding and Improving Cross-Cultural Decision Making in Design and Use of Digital Media: A Research Agenda. International Journal of Human-Computer Interaction, 2011, 27, 151-190.	3.3	17
100	Computer-based collaborative training for transportation security and emergency response. Computers in Industry, 2010, 61, 380-389.	5.7	19
101	A statistical analysis of interference and effective deployment strategies for facility-specific wireless sensor networks. Computers in Industry, 2010, 61, 472-479.	5.7	9
102	Demand and capacity sharing decisions and protocols in a collaborative network of enterprises. Decision Support Systems, 2010, 49, 442-450.	3.5	54
103	Conflict resolution in supply chain security. International Journal of Value Chain Management, 2009, 3, 168.	0.1	10
104	A collaborative sensor network middleware for automated production systems. Computers and Industrial Engineering, 2009, 57, 106-113.	3.4	32
105	Design of timeout-based wireless microsensor network protocols: energy and latency considerations. International Journal of Sensor Networks, 2009, 5, 142.	0.2	10
106	Automating Errors and Conflicts Prognostics and Prevention. , 2009, , 503-525.		6
107	Collaborative e-Work, e-Business, and e-Service. , 2009, , 1549-1576.		13
108	Fault-tolerant sensor integration for micro flow-sensor arrays and networks. Computers and Industrial Engineering, 2008, 54, 634-647.	3.4	11

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109	Performance evaluation of wireless sensor network protocols for industrial applications. Journal of Intelligent Manufacturing, 2008, 19, 335-345.	4.4	40
110	Integration of machine-vision inspection information for best-matching of distributed components and suppliers. Computers in Industry, 2008, 59, 69-81.	5.7	14
111	Systematic resolution of conflict situations in collaborative facility design. International Journal of Production Economics, 2008, 116, 139-153.	5.1	18
112	Timeout-Based Information Forwarding Protocol for Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2007, 3, 331-346.	1.3	4
113	PROGNOSTICS AND DIAGNOSTICS OF CONFLICTS AND ERRORS IN A SUPPLY NETWORK. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 141-145.	0.4	0
114	THE JLR DECISION MODEL FOR CNOs: PAYOFF CRITERIA EXTENSION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 643-648.	0.4	1
115	BEST-MATCHING PROTOCOL FOR COOPERATION REQUIREMENT PLANNING IN DISTRIBUTED ASSEMBLY NETWORKS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 65-68.	0.4	3
116	The Join/Leave/Remain (JLR) decision in collaborative networked organizations. Computers and Industrial Engineering, 2007, 53, 173-195.	3.4	50
117	Error Detection and Prediction Algorithms: Application in Robotics. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 48, 225-252.	2.0	29
118	Security Awareness and Alertness Training in State Departments of Transportation. Transportation Research Record, 2006, 1942, 39-51.	1.0	2
119	Collaborative e-work and e-manufacturing: challenges for production and logistics managers. Journal of Intelligent Manufacturing, 2006, 17, 689-701.	4.4	41
120	Decentralized control of cooperative and autonomous agents for solving the distributed resource allocation problem. International Journal of Production Economics, 2005, 98, 114-128.	5.1	46
121	Collaborative e-Work and e-MFG.: Challenges for Production and Logistics Managers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 1-13.	0.4	2
122	Analysis of cooperation effects in Two-Center production models. International Journal of Production Economics, 2003, 84, 101-112.	5.1	10
123	Design of effective e-Work: review of models, tools, and emerging challenges. Production Planning and Control, 2003, 14, 681-703.	5.8	82
124	Computer-supported conflict resolution for collaborative facility designers. International Journal of Production Research, 2003, 41, 207-233.	4.9	44
125	e-Work: the challenge of the next generation ERP systems. Production Planning and Control, 2003, 14, 753-765.	5.8	26
126	Evaluation of agent-based manufacturing systems based on a parallel simulator. Computers and Industrial Engineering, 2002, 43, 529-552.	3.4	18

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127	A workflow model based on parallelism for distributed organizations. Journal of Intelligent Manufacturing, 2002, 13, 439-461.	4.4	19
128	Design of collaboration framework for distributed CIM data activities. IIE Transactions, 2001, 33, 535-546.	2.1	0
129	Design of collaboration framework for distributed CIM data activities. IIE Transactions, 2001, 33, 535-546.	2.1	10
130	Investigation of PVM for the emulation and simulation of a distributed CIM workflow system. International Journal of Computer Integrated Manufacturing, 2000, 13, 401-409.	2.9	5
131	Models of μ -work. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 553-560.	0.4	1
132	Agility of networked enterprises " parallelism, error recovery and conflict resolution. Computers in Industry, 2000, 42, 275-287.	5.7	44
133	Sensor economy principles and selection procedures. IIE Transactions, 2000, 32, 195-203.	2.1	0
134	Autonomy and viability-measures for agent-based manufacturing systems. International Journal of Production Research, 2000, 38, 4129-4148.	4.9	27
135	Formation of autonomous agent networks for manufacturing systems. International Journal of Production Research, 2000, 38, 607-624.	4.9	42
136	Facility description language for integrating distributed designs. International Journal of Production Research, 2000, 38, 2471-2488.	4.9	11
137	Sensor economy principles and selection procedures. IIE Transactions, 2000, 32, 195-203.	2.1	13
138	Enterprise agility: a view from the PRISM lab. International Journal of Agile Management Systems, 1999, 1, 51-60.	0.6	48
139	Next generation of production research:. International Journal of Production Economics, 1999, 60-61, 29-34.	5.1	5
140	Communication-based coordination modeling in distributed manufacturing systems. International Journal of Production Economics, 1999, 60-61, 281-287.	5.1	19
141	Development of integrated models for material flow Design and control " a tool perspective. Robotics and Computer-Integrated Manufacturing, 1998, 14, 441-454.	6.1	3
142	A formalism to structure and parallelize the integration of cooperative engineering design tasks. IIE Transactions, 1998, 30, 1-15.	2.1	15
143	A formalism to structure and parallelize the integration of cooperative engineering design tasks. IIE Transactions, 1997, 30, 1-15.	2.1	1
144	Application of design and control tools in a multirobot cell. Computers and Industrial Engineering, 1997, 32, 89-100.	3.4	19

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145	Industrial Assembly. , 1997, , .		103
146	Introduction and fundamental concepts of assembly. , 1997, , 1-44.		0
147	Time-managed material flow control. , 1997, , 350-405.		0
148	Performance evaluation of stochastic assembly systems. , 1997, , 259-311.		0
149	Emerging trends in assembly. , 1997, , 459-489.		0
150	Quality and inspection in assembly. , 1997, , 406-458.		0
151	Design for assembly. , 1997, , 84-134.		0
152	Assembly system design and planning. , 1997, , 200-258.		1
153	Coordination and Integration Models for Distributed and Heterogeneous CIM Information. , 1997, , 587-601.		2
154	Analytic procedures for optimizing engineering task integration topologies. Decision Support Systems, 1996, 17, 159-182.	3.5	7
155	Graphic-based analysis of robot motion economy principles. Robotics and Computer-Integrated Manufacturing, 1996, 12, 185-193.	6.1	6
156	Cooperation Requirements Planning (CRP) for multiprocessors: Optimal assignment and execution planning. Journal of Intelligent and Robotic Systems: Theory and Applications, 1996, 15, 419-435.	2.0	23
157	Tool integration for collaborative design of manufacturing cells. International Journal of Production Economics, 1995, 38, 23-30.	5.1	5
158	Active coordination of a CIM multi-database system. International Journal of Computer Integrated Manufacturing, 1995, 8, 116-125.	2.9	6
159	Integration and Collaboration Models. , 1994, , 1-6.		6
160	Cooperation Requirement Planning for Multiprocessors. , 1994, , 179-200.		3
161	Automatic Generation of Assembly Constraints and Cooperation Task Planning. CIRP Annals - Manufacturing Technology, 1993, 42, 13-16.	1.7	15
162	Distributed planning of collaborative production. International Journal of Advanced Manufacturing Technology, 1993, 8, 258-268.	1.5	17

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163	The multiple-robot assembly plan problem. Journal of Intelligent and Robotic Systems: Theory and Applications, 1993, 7, 57-71.	2.0	17
164	Analytic and empirical assessment models of on-line inspection technologies. Computers and Industrial Engineering, 1993, 25, 439-443.	3.4	5
165	DECISION INTEGRATION FUNDAMENTALS IN DISTRIBUTED MANUFACTURING TOPOLOGIES. IIE Transactions, 1992, 24, 27-42.	2.1	14
166	An interactive robotic device with progress monitoring. Robotica, 1992, 10, 11-18.	1.3	2
167	Collaborative Coordination Control (CCC) of Distributed Multimachine Manufacturing. CIRP Annals - Manufacturing Technology, 1992, 41, 441-445.	1.7	13
168	Design of a knowledge-based performance progress monitor. Computers and Industrial Engineering, 1992, 22, 101-114.	3.4	2
169	Modelling the performance of a mobile robot with RTM. International Journal of Production Research, 1991, 29, 967-978.	4.9	5
170	Design method of robot kitting system for flexible assemble. Robotics and Autonomous Systems, 1991, 8, 255-273.	3.0	19
171	Impact of integrating knowledge-based technologies in manufacturing: an evaluation. Computer Integrated Manufacturing Systems, 1991, 4, 254-263.	0.1	4
172	Adaptive/predictive scheduling: review and a general framework. Production Planning and Control, 1991, 2, 298-312.	5.8	24
173	A framework for programmable and flexible construction systems. Robotics and Autonomous Systems, 1989, 5, 135-150.	3.0	14
174	Research Needs and Challenges in Application of Computer and Information Sciences for Industrial Engineering. IIE Transactions, 1989, 21, 50-65.	2.1	5
175	New Directions in Decision Support for Manufacturing. , 1988, , 113-139.		1
176	On the limits of expert systems and engineering models in process control. Behaviour and Information Technology, 1987, 6, 15-36.	2.5	16
177	Observations on the normality of batch production times in flexible manufacturing cells. International Journal of Production Research, 1987, 25, 151-154.	4.9	6
178	Knowledge-based economic analysis of manufacturing systems. Journal of Manufacturing Systems, 1987, 6, 137-150.	7.6	26
179	Analysis of Multi-Robot Systems. IIE Transactions, 1986, 18, 226-234.	2.1	11
180	Decision support in computer-integrated manufacturing. Decision Support Systems, 1985, 1, 37-55.	3.5	30

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181	Unitary Manufacturing Cell Design with Random Product Feedback Flow. IIE Transactions, 1985, 17, 188-193.	2.1	23
182	Performance evaluation of a flexible manufacturing cell with random multiproduct feedback flow. International Journal of Production Research, 1985, 23, 1171-1184.	4.9	37
183	An expert system for planning/replanning programmable facilities. International Journal of Production Research, 1984, 22, 895-903.	4.9	16
184	On Optimizing Bin Picking and Insertion Plans for Assembly Robots. IIE Transactions, 1984, 16, 262-270.	2.1	89
185	Performance time models for robot point operations. International Journal of Production Research, 1983, 21, 659-673.	4.9	7
186	Theory and Practice in Decision Support for Manufacturing Control. , 1983, , 325-348.		5
187	On the structure and logic of typical material flow systems. International Journal of Production Research, 1982, 20, 575-590.	4.9	16
188	Analysis of robot work characteristics. Industrial Robot, 1982, 9, 166-171.	1.2	4
189	Dynamic process selection procedures and their effect on machine configuration. International Journal of Machine Tool Design & Research, 1980, 20, 137-146.	0.2	7
190	Control and Decision Support in Automatic Manufacturing Systems. A I I E Transactions, 1980, 12, 156-169.	0.3	66
191	Effective Utilization of Industrial Robots. A Job and Skills Analysis Approach. A I I E Transactions, 1980, 12, 216-225.	0.3	59
192	A methodology for computer-aided facility planning. International Journal of Production Research, 1980, 18, 699-722.	4.9	8
193	Artificial Intelligence in Manufacturing Planning and Control. A I I E Transactions, 1980, 12, 351-363.	0.3	76
194	Work methods measurement. a comparison between robot and human task performance. International Journal of Production Research, 1979, 17, 277-303.	4.9	64
195	Operational control of item flow in versatile manufacturing systems. International Journal of Production Research, 1979, 17, 479-489.	4.9	97
196	Operations Research Techniques for Robotics Systems. , 0, , 543-577.		19
197	Product Design and Production Planning. , 0, , 527-541.		1
198	Robot Ergonomics: Optimizing Robot Work. , 0, , 603-644.		8

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199	Robotics Terminology. , 0, , 1259-1317.		1
200	Manipulator Design. , 0, , 41-78.		4
201	Kinematics and Dynamics of Robot Manipulators. , 0, , 79-98.		4
202	Microrobotics. , 0, , 187-198.		2
203	Robots and Machine Intelligence. , 0, , 19-30.		1
204	Emerging Trends and Industry Needs. , 0, , 31-40.		0
205	Medical Robotics and Computer-Integrated Surgery. , 0, , 1213-1227.		4
206	Design of Collaborative e-Service Systems. , 0, , 227-252.		3
207	Historical Perspective and Role in Automation. , 0, , 1-10.		4
208	Stereo Vision for Industrial Applications. , 0, , 269-294.		11
209	Motion Planning and Control of Robots. , 0, , 295-315.		15
210	Off-Line Programming. , 0, , 353-371.		8
211	Industrial Robotics Standards. , 0, , 447-459.		5
212	Management Policies of Computer-Integrated Manufacturing/Robotics. , 0, , 473-494.		1
213	Precision and Calibration. , 0, , 795-810.		8
214	Assembly: Mechanical Products. , 0, , 975-995.		2
215	Electronics, Instruments, and Semiconductor Industry. , 0, , 1081-1116.		1
216	Food and Agriculture Robotics. , 0, , 1143-1155.		5

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217	Teleoperation, Telerobotics, and Telepresence. , 0, , 167-185.		4
218	Security Awareness and Alertness Training in State Departments of Transportation. , 0, .		1
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