Shimon Y Nof

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

266 papers	2,759 citations	30 h-index	40 g-index
275 ext. papers	3,043 ext. citations	5.5 avg, IF	5.59 L-index

#	Paper	IF	Citations
266	Plant stress propagation detection and monitoring with disruption propagation network modelling and Bayesian network inference. *International Journal of Production Research*, **2022**, 60, 723-741	7.8	1
265	Human-in-the-loop: Role in Cyber Physical Agricultural Systems. *International Journal of Computers, Communications and Control*, **2021**, 16,	3.6	4
264	Emerging Directions of Precision Agriculture and Agricultural Robotics. *Progress in Precision Agriculture*, **2021**, 177-210		1
263	Smart action **2020**, 225-277		5
262	Evolving DLOC Theory and Emerging Applications. *Automation, Collaboration, and E-services*, **2020**, 97-107	0.4	
261	Applications and Experiments. *Automation, Collaboration, and E-services*, **2020**, 73-95	0.4	
260	The DLOC Model. *Automation, Collaboration, and E-services*, **2020**, 33-50	0.4	
259	The TIE/DLOC Tool. *Automation, Collaboration, and E-services*, **2020**, 67-71	0.4	
258	Protocols for the Dynamic Lines of Collaboration. *Automation, Collaboration, and E-services*, **2020**, 51-66	0.4	
257	Collaborative e-Work and Collaborative Control Theory for Disruption Handling and Control. *Automation, Collaboration, and E-services*, **2020**, 23-31	0.4	
256	Dynamic Lines of Collaboration. *Automation, Collaboration, and E-services*, **2020**,	0.4	3
255	Strategic lines of collaboration in response to disruption propagation (CRDP) through cyber-physical systems. *International Journal of Production Economics*, **2020**, 230, 107865	9.3	2
254	A collaborative control protocol for agricultural robot routing with online adaptation. *Computers and Industrial Engineering*, **2019**, 135, 456-466	6.4	10
253	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	1.5	0
252	Collaborative Control Protocol for Agricultural Cyber-physical System. *Procedia Manufacturing*, **2019**, 39, 235-242	1.5	8
251	Advancing Cyber-Physical Systems Resilience: The Effects of Evolving Disruptions. *Procedia Manufacturing*, **2019**, 39, 334-340	1.5	2
250	Collaboration Requirement Planning Protocol for HUB-CI in Factories of the Future. *Procedia Manufacturing*, **2019**, 39, 218-225	1.5	6

249	Collaborative response to disruption propagation (CRDP) in cyber-physical systems and complex networks. *Decision Support Systems*, **2019**, 117, 1-13	5.6	17
248	Intelligent information sharing among manufacturers in supply networks: supplier selection case. *Journal of Intelligent Manufacturing*, **2018**, 29, 1097-1113	6.7	9
247	Differentiated service policy in smart warehouse automation. *International Journal of Production Research*, **2018**, 56, 6956-6970	7.8	23
246	Collaborative service-component integration in cloud manufacturing. *International Journal of Production Research*, **2018**, 56, 677-691	7.8	49
245	A Modified Distributed Bees Algorithm for Multi-Sensor Task Allocation. *Sensors*, **2018**, 18,	3.8	11
244	Resilience Informatics for Cyber-augmented Manufacturing Networks (CMN): Centrality, Flow and Disruption. *Studies in Informatics and Control*, **2018**, 27,	2.1	3
243	Perspectives on Manufacturing Automation Under the Digital and Cyber Convergence. *Polytechnica* , **2018**, 1, 36-47	1	7
242	Agricultural cyber physical system collaboration for greenhouse stress management. *Computers and Electronics in Agriculture*, **2018**, 150, 439-454	6.5	20
241	Collaborative e-work parallelism in supply decisions networks: the chemical dimension. *Journal of Intelligent Manufacturing*, **2017**, 28, 1337-1355	6.7	7
240	Multi-sensor task allocation framework for supply networks security using task administration protocols. *International Journal of Production Research*, **2017**, 55, 5202-5224	7.8	11
239	The constrained-collaboration algorithm for intelligent resource distribution in supply networks. *Computers and Industrial Engineering*, **2017**, 113, 803-818	6.4	4
238	Resilience in supply networks: Definition, dimensions, and levels. *Annual Reviews in Control*, **2017**, 43, 224-236	10.3	37
237	Best Matching Theory & Applications. *Automation, Collaboration, and E-services*, **2017**,	0.4	6
236	The PRISM Taxonomy of Best Matching. *Automation, Collaboration, and E-services*, **2017**, 19-42	0.4	
235	Dynamic and Distributed Matching. *Automation, Collaboration, and E-services*, **2017**, 125-165	0.4	1
234	Extended Examples of Best Matching. *Automation, Collaboration, and E-services*, **2017**, 167-219	0.4	
233	Mathematical Models of Best Matching. *Automation, Collaboration, and E-services*, **2017**, 43-62	0.4	
232	Introduction: Best Matching and Best Match. *Automation, Collaboration, and E-services*, **2017**, 1-17	0.4	

231	Frontiers in Best Matching. *Automation, Collaboration, and E-services*, **2017**, 221-228	0.4	
230	Co-Insights framework for collaborative decision support and tacit knowledge transfer. *Expert Systems With Applications*, **2016**, 45, 85-96	7.8	4
229	Parallelism of Pick-and-Place operations by multi-gripper robotic arms. *Robotics and Computer-Integrated Manufacturing*, **2016**, 42, 135-146	9.2	21
228	A best-matching protocol for order fulfillment in re-configurable supply networks. *Computers in Industry*, **2016**, 82, 160-169	11.6	6
227	Resource sharing in cyber-physical systems: modelling framework and case studies. *International Journal of Production Research*, **2016**, 54, 6969-6983	7.8	45
226	Design and administration of collaborative networked headquarters. *International Journal of Production Research*, **2016**, 54, 7074-7090	7.8	6
225	Real-time optimization and control mechanisms for collaborative demand and capacity sharing. *International Journal of Production Economics*, **2016**, 171, 495-506	9.3	12
224	Intelligent contingent multi-sourcing model for resilient supply networks. *Expert Systems With Applications*, **2016**, 51, 107-119	7.8	11
223	Dynamic storage assignment with product affinity and ABC classification□ case study. *International Journal of Advanced Manufacturing Technology*, **2016**, 84, 2179-2194	3.2	44
222	Collaboration protocols for sustainable wind energy distribution networks. *International Journal of Production Economics*, **2016**, 182, 496-507	9.3	3
221	Emerging Trends and Research Challenges **2015**, 391-420		
220	Factory Sensors and RFID Networks **2015**, 273-313		
219	The dynamic lines of collaboration model: Collaborative disruption response in cyber□physical systems. *Computers and Industrial Engineering*, **2015**, 87, 370-382	6.4	20
218	Optimization and Control **2015**, 115-165		
217	Revolutionizing Collaboration through e-Work, e-Business, and e-Service **2015**,		32
216	e-Learning and e-Training **2015**, 357-390		2
215	Rationalization **2015**, 77-114		
214	Manufacturing Service: From e-Work and Service-Oriented Approach towards a Product-Service Architecture. *IFAC-PapersOnLine*, **2015**, 48, 1628-1633	0.7	13

213	Real-time administration of tool sharing and best matching to enhance assembly lines balanceability and flexibility. *Mechatronics*, **2015**, 31, 147-157	3	7
212	A resilience by teaming framework for collaborative supply networks. *Computers and Industrial Engineering*, **2015**, 90, 67-85	6.4	19
211	Manufacturing-as-a-Service From e-Work and Service-Oriented Architecture to the Cloud Manufacturing Paradigm. *IFAC-PapersOnLine*, **2015**, 48, 828-833	0.7	13
210	Best-matching with interdependent preferences Implications for capacitated cluster formation and evolution. *Decision Support Systems*, **2015**, 79, 125-137	5.6	9
209	Resilience by teaming in supply network formation and re-configuration. *International Journal of Production Economics*, **2015**, 160, 80-93	9.3	47
208	Collaborative Intelligence - Definition and Measured Impacts on Internetworked e-Work. *Management and Production Engineering Review*, **2015**, 6, 67-78		7
207	Adaptive Fuzzy Collaborative Task Assignment for Heterogeneous Multirobot Systems. *International Journal of Intelligent Systems*, **2015**, 30, 731-762	8.4	8
206	Asynchronous cooperation requirement planning with reconfigurable end-effectors. *Robotics and Computer-Integrated Manufacturing*, **2015**, 34, 95-104	9.2	11
205	Balanceable assembly lines with dynamic tool sharing and best matching decisions collaborative assembly framework. *IIE Transactions*, **2015**, 47, 1363-1378		3
204	Adaptive direct/indirect delivery decision protocol by collaborative negotiation among manufacturers, distributors, and retailers. *International Journal of Production Economics*, **2015**, 167, 232-245	9.3	9
203	e-Logistics, e-Production, and e-Supply Networks **2015**, 237-271		1
202	e-Work in Product and Service Development **2015**, 203-235		
201	Design with Collaborative Control Theory **2015**, 33-75		1
200	e-Service Industry **2015**, 315-356		
199	Tools for e-Work **2015**, 167-201		
198	Definitions, Scope, and Significance **2015**, 1-32		1
197	Collaboration Platform for Sustainable Wind Energy Distribution Network. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 4266-4271		1
196	Dynamic Lines of Collaboration in CPS Disruption Response. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 7855-7860		7

195	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	7.8	36
194	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	3
193	Telerobot-enabled HUB-CI model for collaborative lifecycle management of design and prototyping. *Computers in Industry*, **2014**, 65, 550-562	11.6	15
192	Dynamic coalition reformation for adaptive demand and capacity sharing. *International Journal of Production Economics*, **2014**, 147, 136-146	9.3	26
191	Combined demand and capacity sharing with best matching decisions in enterprise collaboration. *International Journal of Production Economics*, **2014**, 148, 93-109	9.3	37
190	Design of Protocols for Task Administration in Collaborative Production Systems. *International Journal of Computers, Communications and Control*, **2014**, 5, 91	3.6	10
189	A protocol for processing interfered data in facility sensor networks. *International Journal of Advanced Manufacturing Technology*, **2013**, 67, 2377-2385	3.2	6
188	A decision support methodology for dynamic taxiway and runway conflict prevention. *Decision Support Systems*, **2013**, 55, 165-174	5.6	14
187	Collaborative intelligence in knowledge based service planning. *Expert Systems With Applications*, **2013**, 40, 6778-6787	7.8	20
186	A collaborative telerobotics network framework with hand gesture interface and conflict prevention. *International Journal of Production Research*, **2013**, 51, 4443-4463	7.8	18
185	Automatic Multi-sensor Task Allocation Using Modified Distributed Bees Algorithm **2013**,		6
184	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	4
183	Collaborative production line control: Minimisation of throughput variability and WIP. *International Journal of Production Research*, **2013**, 51, 7289-7307	7.8	17
182	HUB-CI Model for Collaborative Telerobotics in Manufacturing. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2013**, 46, 63-68		5
181	Research Advances in Manufacturing with Service-Oriented e-Work and Production. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2013**, 46, 251-256		3
180	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		2
179	Design and application of task administration protocols for collaborative production and service systems. *International Journal of Production Economics*, **2012**, 135, 177-189	9.3	37
178	Conflict and error prevention and detection in complex networks. *Automatica*, **2012**, 48, 770-778	5.7	24

177	Sustainability decision support system based on collaborative control theory. *Annual Reviews in Control*, **2012**, 36, 85-100	10.3	39
176	Constraint-based conflict and error management. *Engineering Optimization*, **2012**, 44, 821-841	2	5
175	Collaborative production line control for collaborative supply networks. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 487-492		
174	Security of Supply Chains by Automatic Multi-Agents Collaboration. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 475-480		2
173	Intelligent Alert Systems for Error and Conflict Detection in Supply Networks. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 1602-1607		1
172	A framework of enroute air traffic conflict detection and resolution through complex network analysis. *Computers in Industry*, **2011**, 62, 787-794	11.6	18
171	Analysis of effectiveness and benefits of collaboration modes with information- and knowledge-sharing. *Journal of Intelligent Manufacturing*, **2011**, 22, 101-112	6.7	16
170	Cooperative production switchover coordination for the real-time order acceptance decision. *International Journal of Production Research*, **2011**, 49, 1813-1826	7.8	11
169	Affiliation/dissociation decision models in demand and capacity sharing collaborative network. *International Journal of Production Economics*, **2011**, 130, 135-143	9.3	32
168	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	3.6	15
167	Computer-based collaborative training for transportation security and emergency response. *Computers in Industry*, **2010**, 61, 380-389	11.6	16
166	A statistical analysis of interference and effective deployment strategies for facility-specific wireless sensor networks. *Computers in Industry*, **2010**, 61, 472-479	11.6	9
165	Demand and capacity sharing decisions and protocols in a collaborative network of enterprises. *Decision Support Systems*, **2010**, 49, 442-450	5.6	45
164	Conflict resolution in supply chain security. *International Journal of Value Chain Management*, **2009**, 3, 168	0.3	10
163	A collaborative sensor network middleware for automated production systems. *Computers and Industrial Engineering*, **2009**, 57, 106-113	6.4	28
162	Design of timeout-based wireless microsensor network protocols: energy and latency considerations. *International Journal of Sensor Networks*, **2009**, 5, 142	0.8	7
161	Automating Errors and Conflicts Prognostics and Prevention **2009**, 503-525		5
160	Collaborative e-Work, e-Business, and e-Service **2009**, 1549-1576		9

159	Fault-tolerant sensor integration for micro flow-sensor arrays and networks. *Computers and Industrial Engineering*, **2008**, 54, 634-647	6.4	11
158	Performance evaluation of wireless sensor network protocols for industrial applications. *Journal of Intelligent Manufacturing*, **2008**, 19, 335-345	6.7	35
157	Integration of machine-vision inspection information for best-matching of distributed components and suppliers. *Computers in Industry*, **2008**, 59, 69-81	11.6	14
156	Systematic resolution of conflict situations in collaborative facility design. *International Journal of Production Economics*, **2008**, 116, 139-153	9.3	15
155	The Join/Leave/Remain (JLR) decision in collaborative networked organizations. *Computers and Industrial Engineering*, **2007**, 53, 173-195	6.4	43
154	Error Detection and Prediction Algorithms: Application in Robotics. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2007**, 48, 225-252	2.9	25
153	Timeout-Based Information Forwarding Protocol for Wireless Sensor Networks. *International Journal of Distributed Sensor Networks*, **2007**, 3, 331-346	1.7	4
152	PROGNOSTICS AND DIAGNOSTICS OF CONFLICTS AND ERRORS IN A SUPPLY NETWORK. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2007**, 40, 141-145		
151	THE JLR DECISION MODEL FOR CNOs: PAYOFF CRITERIA EXTENSION. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2007**, 40, 643-648		
150	BEST-MATCHING PROTOCOL FOR COOPERATION REQUIREMENT PLANNING IN DISTRIBUTED ASSEMBLY NETWORKS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2007**, 40, 65-68		3
149	Security Awareness and Alertness Training in State Departments of Transportation. *Transportation Research Record*, **2006**, 1942, 39-51	1.7	1
148	Collaborative e-work and e-manufacturing: challenges for production and logistics managers. *Journal of Intelligent Manufacturing*, **2006**, 17, 689-701	6.7	34
147	Decentralized control of cooperative and autonomous agents for solving the distributed resource allocation problem. *International Journal of Production Economics*, **2005**, 98, 114-128	9.3	38
146	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		2
145	Analysis of cooperation effects in Two-Center production models. *International Journal of Production Economics*, **2003**, 84, 101-112	9.3	9
144	Design of effective e-Work: review of models, tools, and emerging challenges. *Production Planning and Control*, **2003**, 14, 681-703	4.3	64
143	Computer-supported conflict resolution for collaborative facility designers. *International Journal of Production Research*, **2003**, 41, 207-233	7.8	34
142	e-Work: the challenge of the next generation ERP systems. *Production Planning and Control*, **2003**, 14, 753-765	4.3	23

141	Evaluation of agent-based manufacturing systems based on a parallel simulator. *Computers and Industrial Engineering*, **2002**, 43, 529-552	6.4	16
140	A workflow model based on parallelism for distributed organizations. *Journal of Intelligent Manufacturing*, **2002**, 13, 439-461	6.7	16
139	Design of collaboration framework for distributed CIM data activities. *IIE Transactions*, **2001**, 33, 535-546		
138	Design of collaboration framework for distributed CIM data activities. *IIE Transactions*, **2001**, 33, 535-546		8
137	Design Issues for Information Assurance with Agents: Coordination Protocols and Role Combination in Agents **2001**,		2
136	Investigation of PVM for the emulation and simulation of a distributed CIM workflow system. *International Journal of Computer Integrated Manufacturing*, **2000**, 13, 401-409	4.3	3
135	Models of □work. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2000**, 33, 553-560		1
134	Agility of networked enterprises □parallelism, error recovery and conflict resolution. *Computers in Industry*, **2000**, 42, 275-287	11.6	37
133	Sensor economy principles and selection procedures. *IIE Transactions*, **2000**, 32, 195-203		
132	Autonomy and viability-measures for agent-based manufacturing systems. *International Journal of Production Research*, **2000**, 38, 4129-4148	7.8	25
131	Formation of autonomous agent networks for manufacturing systems. *International Journal of Production Research*, **2000**, 38, 607-624	7.8	38
130	Facility description language for integrating distributed designs. *International Journal of Production Research*, **2000**, 38, 2471-2488	7.8	9
129	Sensor economy principles and selection procedures. *IIE Transactions*, **2000**, 32, 195-203		10
128	Enterprise agility: a view from the PRISM lab. *International Journal of Agile Management Systems*, **1999**, 1, 51-60		37
127	Next generation of production research:. *International Journal of Production Economics*, **1999**, 60-61, 29-34	9.3	5
126	Communication-based coordination modeling in distributed manufacturing systems. *International Journal of Production Economics*, **1999**, 60-61, 281-287	9.3	16
125	Development of integrated models for material flow Design and control □a tool perspective. *Robotics and Computer-Integrated Manufacturing*, **1998**, 14, 441-454	9.2	2
124	A formalism to structure and parallelize the integration of cooperative engineering design tasks. *IIE Transactions*, **1998**, 30, 1-15		13

123	A formalism to structure and parallelize the integration of cooperative engineering design tasks. *IIE Transactions*, **1997**, 30, 1-15		1
122	Application of design and control tools in a multirobot cell. *Computers and Industrial Engineering*, **1997**, 32, 89-100	6.4	16
121	Introduction and fundamental concepts of assembly **1997**, 1-44		
120	Time-managed material flow control **1997**, 350-405		
119	Performance evaluation of stochastic assembly systems **1997**, 259-311		
118	Emerging trends in assembly **1997**, 459-489		
117	Quality and inspection in assembly **1997**, 406-458		
116	Design for assembly **1997**, 84-134		
115	Assembly system design and planning **1997**, 200-258		0
114	Coordination and Integration Models for Distributed and Heterogeneous CIM Information **1997**, 587-601		1
113	Industrial Assembly **1997**,		84
112	Analytic procedures for optimizing engineering task integration topologies. *Decision Support Systems*, **1996**, 17, 159-182	5.6	7
111	Graphic-based analysis of robot motion economy principles. *Robotics and Computer-Integrated Manufacturing*, **1996**, 12, 185-193	9.2	4
110	Cooperation Requirements Planning (CRP) for multiprocessors: Optimal assignment and execution planning. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **1996**, 15, 419-435	2.9	20
109	Tool integration for collaborative design of manufacturing cells. *International Journal of Production Economics*, **1995**, 38, 23-30	9.3	4
108	Active coordination of a CIM multi-database system. *International Journal of Computer Integrated Manufacturing*, **1995**, 8, 116-125	4.3	4
107	Integration and Collaboration Models **1994**, 1-6		3
106	Cooperation Requirement Planning for Multiprocessors **1994**, 179-200		3

105	Automatic Generation of Assembly Constraints and Cooperation Task Planning. *CIRP Annals - Manufacturing Technology*, **1993**, 42, 13-16	4.9	13
104	Distributed planning of collaborative production. *International Journal of Advanced Manufacturing Technology*, **1993**, 8, 258-268	3.2	14
103	The multiple-robot assembly plan problem. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **1993**, 7, 57-71	2.9	14
102	Analytic and empirical assessment models of on-line inspection technologies. *Computers and Industrial Engineering*, **1993**, 25, 439-443	6.4	3
101	DECISION INTEGRATION FUNDAMENTALS IN DISTRIBUTED MANUFACTURING TOPOLOGIES. *IIE Transactions*, **1992**, 24, 27-42		13
100	An interactive robotic device with progress monitoring. *Robotica*, **1992**, 10, 11-18	2.1	1
99	Collaborative Coordination Control (CCC) of Distributed Multimachine Manufacturing. *CIRP Annals - Manufacturing Technology*, **1992**, 41, 441-445	4.9	11
98	Design of a knowledge-based performance progress monitor. *Computers and Industrial Engineering*, **1992**, 22, 101-114	6.4	1
97	Design method of robot kitting sytem for flexible assemble. *Robotics and Autonomous Systems*, **1991**, 8, 255-273	3.5	15
96	Impact of integrating knowledge-based technologies in manufacturing: an evaluation. *Computer Integrated Manufacturing Systems*, **1991**, 4, 254-263		2
95	Adaptive/predictive scheduling: review and a general framework. *Production Planning and Control*, **1991**, 2, 298-312	4.3	18
94	Modelling the performance of a mobile robot with RTM. *International Journal of Production Research*, **1991**, 29, 967-978	7.8	5
93	A framework for programmable and flexible construction systems. *Robotics and Autonomous Systems*, **1989**, 5, 135-150	3.5	12
92	Research Needs and Challenges in Application of Computer and Information Sciences for Industrial Engineering. *IIE Transactions*, **1989**, 21, 50-65		4
91	New Directions in Decision Support for Manufacturing **1988**, 113-139		
90	On the limits of expert systems and engineering models in process control. *Behaviour and Information Technology*, **1987**, 6, 15-36	2.4	14
89	Observations on the normality of batch production times in flexible manufacturing cells. *International Journal of Production Research*, **1987**, 25, 151-154	7.8	6
88	Knowledge-based economic analysis of manufacturing systems. *Journal of Manufacturing Systems*, **1987**, 6, 137-150	9.1	23

87	Analysis of Multi-Robot Systems. *IIE Transactions*, **1986**, 18, 226-234		7
86	Decision support in computer-integrated manufacturing. *Decision Support Systems*, **1985**, 1, 37-55	5.6	23
85	Unitary Manufacturing Cell Design with Random Product Feedback Flow. *IIE Transactions*, **1985**, 17, 188-193		21
84	Performance evaluation of a flexible manufacturing cell with random multiproduct feedback flow. *International Journal of Production Research*, **1985**, 23, 1171-1184	7.8	31
83	An expert system for planning/replanning programmable facilities. *International Journal of Production Research*, **1984**, 22, 895-903	7.8	14
82	On Optimizing Bin Picking and Insertion Plans for Assembly Robots. *IIE Transactions*, **1984**, 16, 262-270		73
81	Performance time models for robot point operations. *International Journal of Production Research*, **1983**, 21, 659-673	7.8	6
80	Theory and Practice in Decision Support for Manufacturing Control **1983**, 325-348		1
79	On the structure and logic of typical material flow systems A shorter version of this article appeared in the Proceedings of the 6th International Conference on Production Research (Novi Sad). August 1981.. *International Journal of Production Research*, **1982**, 20, 575-590	7.8	14
78	Analysis of robot work characteristics. *Industrial Robot*, **1982**, 9, 166-171	1.4	2
77	Dynamic process selection procedures and their effect on machine configuration. *International Journal of Machine Tool Design & Research*, **1980**, 20, 137-146		4
76	Control and Decision Support in Automatic Manufacturing Systems. *A I I E Transactions*, **1980**, 12, 156-169		54
75	Effective Utilization of Industrial Robots A Job and Skills Analysis Approach. *A I I E Transactions*, **1980**, 12, 216-225		46
74	A methodology for computer-aided facility planning. *International Journal of Production Research*, **1980**, 18, 699-722	7.8	7
73	Artificial Intelligence in Manufacturing Planning and Control. *A I I E Transactions*, **1980**, 12, 351-363		66
72	Operational control of item flow in versatile manufacturing systems. *International Journal of Production Research*, **1979**, 17, 479-489	7.8	89
71	Work methods measurement comparison between robot and human task performance. *International Journal of Production Research*, **1979**, 17, 277-303	7.8	56
70	Design of Collaborative e-Service Systems227-252		1

69	Operations Research Techniques for Robotics Systems543-577	15
68	Product Design and Production Planning527-541	
67	Robot Ergonomics: Optimizing Robot Work603-644	5
66	Robotics Terminology1259-1317	1
65	Manipulator Design41-78	2
64	Microassembly1045-1066	46
63	Kinematics and Dynamics of Robot Manipulators79-98	3
62	Microrobotics187-198	2
61	Robots and Machine Intelligence19-30	
60	Emerging Trends and Industry Needs31-40	
59	Medical Robotics and Computer-Integrated Surgery1213-1227	4
58	CAD and Graphic Simulators/Emulators of Robotic Systems755-772	2
57	Reliability, Maintenance, and Safety of Robots717-753	0
56	Justification of Robotics Systems675-694	1
55	On-Line Programming335-351	
54	Robotics, FMS, and CIM811-823	1
53	Assembly: Electronics997-1012	1
52	Quality Assurance, Inspection, and Testing1013-1021	1

51	Security Awareness and Alertness Training in State Departments of Transportation		1
50	Multi-agent system optimisation in factories of the future: cyber collaborative warehouse study. *International Journal of Production Research*,1-15	7.8	1
49	Historical Perspective and Role in Automation1-10		3
48	Nanorobotics199-210		17
47	Stereo Vision for Industrial Applications269-294		7
46	Motion Planning and Control of Robots295-315		11
45	Virtual Reality and Robotics325-333		2
44	Off-Line Programming353-371		4
43	Industrial Robotics Standards447-459		3
42	Management Policies of Computer-Integrated Manufacturing/Robotics473-494		1
41	Precision and Calibration795-810		8
40	Assembly: Mechanical Products975-995		2
39	Maintenance and Repair1023-1036		16
38	Electronics, Instruments, and Semiconductor Industry1081-1116		1
37	Food and Agriculture Robotics1143-1155		4
36	Teleoperation, Telerobotics, and Telepresence167-185		1
35	Collaborative Manufacturing601-619		
34	Automation Technology155-176		

33 Design of Robot Controllers211-243

32 Sensors for Robotics245-267

31 Intelligent Control of Robot Mobility317-324

30 Robotics in Japan: Emerging Trends and Challenges11-18

29 Learning, Reasoning, and Problem Solving in Robotics373-392

28 Neuro-Fuzzy Systems393-421

27 Group Behavior of Robots439-445

26 Organization and Automation Impacts on Production Workers Qualification (European Experience)461-472

25 The Role of CIM and Robotics in Enterprise Reengineering495-508

24 Robot Integration Within Manufacturing Systems509-526

23 Computation, AI, and Multiagent Techniques for Planning Robotic Operations579-602

22 Human Factors in Planning Robotics Systems645-673

21 Robotic Manufacturing Cells695-716

20 Computational, AI, and Multiagent Techniques for Design of Robotics Systems773-794

19 A Strategy for Implementation of Robotics Projects825-828

18 Fabrication and Processing829-858

17 Robotics in Foundries859-866

16 Spot Welding and Laser Welding867-886

15 Arc Welding887-905

14 Painting, Coating, and Sealing907-925

13 Flexible Fixturing927-934

12 Workpiece Handling and Gripper Selection935-953

11 Material Handling and Warehousing955-974

10 Automotive and Transportation Applications1067-1080

9 Robotics in Space1117-1131

8 Appliance Industry1133-1141

7 Apparel, Wire, and Woodworking Industries1157-1166

6 Robotics in Construction and Shipbuilding1167-1183

5 Process Industries1185-1200

4 Robotics Around the World1229-1258

3 Robot Hands and End-Effectors99-143

2 Mobile Robots and Walking Machines145-165

1 About the CD-ROM1349-1349