

Shimon Y Nof

List of Publications by Citations

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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 | Operational control of item flow in versatile manufacturing systems. <i>International Journal of Production Research</i> , 1979 , 17, 479-489 | 7.8 | 89 |
| 265 | Industrial Assembly 1997 , | | 84 |
| 264 | On Optimizing Bin Picking and Insertion Plans for Assembly Robots. <i>IIE Transactions</i> , 1984 , 16, 262-270 | | 73 |
| 263 | Artificial Intelligence in Manufacturing Planning and Control. <i>A I I E Transactions</i> , 1980 , 12, 351-363 | | 66 |
| 262 | Design of effective e-Work: review of models, tools, and emerging challenges. <i>Production Planning and Control</i> , 2003 , 14, 681-703 | 4.3 | 64 |
| 261 | Work methods measurement – comparison between robot and human task performance. <i>International Journal of Production Research</i> , 1979 , 17, 277-303 | 7.8 | 56 |
| 260 | Control and Decision Support in Automatic Manufacturing Systems. <i>A I I E Transactions</i> , 1980 , 12, 156-169 | | 54 |
| 259 | Collaborative service-component integration in cloud manufacturing. <i>International Journal of Production Research</i> , 2018 , 56, 677-691 | 7.8 | 49 |
| 258 | Resilience by teaming in supply network formation and re-configuration. <i>International Journal of Production Economics</i> , 2015 , 160, 80-93 | 9.3 | 47 |
| 257 | Microassembly1045-1066 | | 46 |
| 256 | Effective Utilization of Industrial Robots – Job and Skills Analysis Approach. <i>A I I E Transactions</i> , 1980 , 12, 216-225 | | 46 |
| 255 | Resource sharing in cyber-physical systems: modelling framework and case studies. <i>International Journal of Production Research</i> , 2016 , 54, 6969-6983 | 7.8 | 45 |
| 254 | Demand and capacity sharing decisions and protocols in a collaborative network of enterprises. <i>Decision Support Systems</i> , 2010 , 49, 442-450 | 5.6 | 45 |
| 253 | Dynamic storage assignment with product affinity and ABC classification – case study. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 2179-2194 | 3.2 | 44 |
| 252 | The Join/Leave/Remain (JLR) decision in collaborative networked organizations. <i>Computers and Industrial Engineering</i> , 2007 , 53, 173-195 | 6.4 | 43 |
| 251 | Sustainability decision support system based on collaborative control theory. <i>Annual Reviews in Control</i> , 2012 , 36, 85-100 | 10.3 | 39 |
| 250 | Decentralized control of cooperative and autonomous agents for solving the distributed resource allocation problem. <i>International Journal of Production Economics</i> , 2005 , 98, 114-128 | 9.3 | 38 |

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| 249 | Formation of autonomous agent networks for manufacturing systems. <i>International Journal of Production Research</i> , 2000 , 38, 607-624 | 7.8 | 38 |
| 248 | Resilience in supply networks: Definition, dimensions, and levels. <i>Annual Reviews in Control</i> , 2017 , 43, 224-236 | 10.3 | 37 |
| 247 | Design and application of task administration protocols for collaborative production and service systems. <i>International Journal of Production Economics</i> , 2012 , 135, 177-189 | 9.3 | 37 |
| 246 | Combined demand and capacity sharing with best matching decisions in enterprise collaboration. <i>International Journal of Production Economics</i> , 2014 , 148, 93-109 | 9.3 | 37 |
| 245 | Agility of networked enterprises [parallelism, error recovery and conflict resolution. <i>Computers in Industry</i> , 2000 , 42, 275-287 | 11.6 | 37 |
| 244 | Enterprise agility: a view from the PRISM lab. <i>International Journal of Agile Management Systems</i> , 1999 , 1, 51-60 | | 37 |
| 243 | Collaborative capacity sharing among manufacturers on the same supply network horizontal layer for sustainable and balanced returns. <i>International Journal of Production Research</i> , 2014 , 52, 1622-1643 | 7.8 | 36 |
| 242 | Performance evaluation of wireless sensor network protocols for industrial applications. <i>Journal of Intelligent Manufacturing</i> , 2008 , 19, 335-345 | 6.7 | 35 |
| 241 | Collaborative e-work and e-manufacturing: challenges for production and logistics managers. <i>Journal of Intelligent Manufacturing</i> , 2006 , 17, 689-701 | 6.7 | 34 |
| 240 | Computer-supported conflict resolution for collaborative facility designers. <i>International Journal of Production Research</i> , 2003 , 41, 207-233 | 7.8 | 34 |
| 239 | Revolutionizing Collaboration through e-Work, e-Business, and e-Service 2015 , | | 32 |
| 238 | Affiliation/dissociation decision models in demand and capacity sharing collaborative network. <i>International Journal of Production Economics</i> , 2011 , 130, 135-143 | 9.3 | 32 |
| 237 | Performance evaluation of a flexible manufacturing cell with random multiproduct feedback flow. <i>International Journal of Production Research</i> , 1985 , 23, 1171-1184 | 7.8 | 31 |
| 236 | A collaborative sensor network middleware for automated production systems. <i>Computers and Industrial Engineering</i> , 2009 , 57, 106-113 | 6.4 | 28 |
| 235 | Dynamic coalition reformation for adaptive demand and capacity sharing. <i>International Journal of Production Economics</i> , 2014 , 147, 136-146 | 9.3 | 26 |
| 234 | Error Detection and Prediction Algorithms: Application in Robotics. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2007 , 48, 225-252 | 2.9 | 25 |
| 233 | Autonomy and viability-measures for agent-based manufacturing systems. <i>International Journal of Production Research</i> , 2000 , 38, 4129-4148 | 7.8 | 25 |
| 232 | Conflict and error prevention and detection in complex networks. <i>Automatica</i> , 2012 , 48, 770-778 | 5.7 | 24 |

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| 231 | Differentiated service policy in smart warehouse automation. <i>International Journal of Production Research</i> , 2018 , 56, 6956-6970 | 7.8 | 23 |
| 230 | e-Work: the challenge of the next generation ERP systems. <i>Production Planning and Control</i> , 2003 , 14, 753-765 | 4.3 | 23 |
| 229 | Knowledge-based economic analysis of manufacturing systems. <i>Journal of Manufacturing Systems</i> , 1987 , 6, 137-150 | 9.1 | 23 |
| 228 | Decision support in computer-integrated manufacturing. <i>Decision Support Systems</i> , 1985 , 1, 37-55 | 5.6 | 23 |
| 227 | Parallelism of Pick-and-Place operations by multi-gripper robotic arms. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016 , 42, 135-146 | 9.2 | 21 |
| 226 | Unitary Manufacturing Cell Design with Random Product Feedback Flow. <i>IIE Transactions</i> , 1985 , 17, 188-193 | | 21 |
| 225 | The dynamic lines of collaboration model: Collaborative disruption response in cyberphysical systems. <i>Computers and Industrial Engineering</i> , 2015 , 87, 370-382 | 6.4 | 20 |
| 224 | Collaborative intelligence in knowledge based service planning. <i>Expert Systems With Applications</i> , 2013 , 40, 6778-6787 | 7.8 | 20 |
| 223 | Cooperation Requirements Planning (CRP) for multiprocessors: Optimal assignment and execution planning. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 1996 , 15, 419-435 | 2.9 | 20 |
| 222 | Agricultural cyber physical system collaboration for greenhouse stress management. <i>Computers and Electronics in Agriculture</i> , 2018 , 150, 439-454 | 6.5 | 20 |
| 221 | A resilience by teaming framework for collaborative supply networks. <i>Computers and Industrial Engineering</i> , 2015 , 90, 67-85 | 6.4 | 19 |
| 220 | A collaborative telerobotics network framework with hand gesture interface and conflict prevention. <i>International Journal of Production Research</i> , 2013 , 51, 4443-4463 | 7.8 | 18 |
| 219 | A framework of enroute air traffic conflict detection and resolution through complex network analysis. <i>Computers in Industry</i> , 2011 , 62, 787-794 | 11.6 | 18 |
| 218 | Adaptive/predictive scheduling: review and a general framework. <i>Production Planning and Control</i> , 1991 , 2, 298-312 | 4.3 | 18 |
| 217 | Collaborative production line control: Minimisation of throughput variability and WIP. <i>International Journal of Production Research</i> , 2013 , 51, 7289-7307 | 7.8 | 17 |
| 216 | Collaborative response to disruption propagation (CRDP) in cyber-physical systems and complex networks. <i>Decision Support Systems</i> , 2019 , 117, 1-13 | 5.6 | 17 |
| 215 | Nanorobotics | | 17 |
| 214 | Analysis of effectiveness and benefits of collaboration modes with information- and knowledge-sharing. <i>Journal of Intelligent Manufacturing</i> , 2011 , 22, 101-112 | 6.7 | 16 |

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| 213 | Computer-based collaborative training for transportation security and emergency response. <i>Computers in Industry</i> , 2010 , 61, 380-389 | 11.6 | 16 |
| 212 | Application of design and control tools in a multirobot cell. <i>Computers and Industrial Engineering</i> , 1997 , 32, 89-100 | 6.4 | 16 |
| 211 | Evaluation of agent-based manufacturing systems based on a parallel simulator. <i>Computers and Industrial Engineering</i> , 2002 , 43, 529-552 | 6.4 | 16 |
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| 209 | Communication-based coordination modeling in distributed manufacturing systems. <i>International Journal of Production Economics</i> , 1999 , 60-61, 281-287 | 9.3 | 16 |
| 208 | Maintenance and Repair1023-1036 | | 16 |
| 207 | Telerobot-enabled HUB-CI model for collaborative lifecycle management of design and prototyping. <i>Computers in Industry</i> , 2014 , 65, 550-562 | 11.6 | 15 |
| 206 | Understanding and Improving Cross-Cultural Decision Making in Design and Use of Digital Media: A Research Agenda. <i>International Journal of Human-Computer Interaction</i> , 2011 , 27, 151-190 | 3.6 | 15 |
| 205 | Systematic resolution of conflict situations in collaborative facility design. <i>International Journal of Production Economics</i> , 2008 , 116, 139-153 | 9.3 | 15 |
| 204 | Operations Research Techniques for Robotics Systems543-577 | | 15 |
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| 202 | A decision support methodology for dynamic taxiway and runway conflict prevention. <i>Decision Support Systems</i> , 2013 , 55, 165-174 | 5.6 | 14 |
| 201 | Integration of machine-vision inspection information for best-matching of distributed components and suppliers. <i>Computers in Industry</i> , 2008 , 59, 69-81 | 11.6 | 14 |
| 200 | Distributed planning of collaborative production. <i>International Journal of Advanced Manufacturing Technology</i> , 1993 , 8, 258-268 | 3.2 | 14 |
| 199 | The multiple-robot assembly plan problem. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 1993 , 7, 57-71 | 2.9 | 14 |
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| 196 | On the structure and logic of typical material flow systemsA shorter version of this article appeared in the Proceedings of the 6th International Conference on Production Research (Novi Sad). August 1981.. <i>International Journal of Production Research</i> , 1982 , 20, 575-590 | 7.8 | 14 |

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| 195 | Manufacturing Service: From e-Work and Service-Oriented Approach towards a Product-Service Architecture. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1628-1633 | 0.7 | 13 |
| 194 | Manufacturing-as-a-Service From e-Work and Service-Oriented Architecture to the Cloud Manufacturing Paradigm. <i>IFAC-PapersOnLine</i> , 2015 , 48, 828-833 | 0.7 | 13 |
| 193 | A formalism to structure and parallelize the integration of cooperative engineering design tasks. <i>IIE Transactions</i> , 1998 , 30, 1-15 | | 13 |
| 192 | DECISION INTEGRATION FUNDAMENTALS IN DISTRIBUTED MANUFACTURING TOPOLOGIES. <i>IIE Transactions</i> , 1992 , 24, 27-42 | | 13 |
| 191 | Automatic Generation of Assembly Constraints and Cooperation Task Planning. <i>CIRP Annals - Manufacturing Technology</i> , 1993 , 42, 13-16 | 4.9 | 13 |
| 190 | Real-time optimization and control mechanisms for collaborative demand and capacity sharing. <i>International Journal of Production Economics</i> , 2016 , 171, 495-506 | 9.3 | 12 |
| 189 | A framework for programmable and flexible construction systems. <i>Robotics and Autonomous Systems</i> , 1989 , 5, 135-150 | 3.5 | 12 |
| 188 | Multi-sensor task allocation framework for supply networks security using task administration protocols. <i>International Journal of Production Research</i> , 2017 , 55, 5202-5224 | 7.8 | 11 |
| 187 | Intelligent contingent multi-sourcing model for resilient supply networks. <i>Expert Systems With Applications</i> , 2016 , 51, 107-119 | 7.8 | 11 |
| 186 | A Modified Distributed Bees Algorithm for Multi-Sensor Task Allocation. <i>Sensors</i> , 2018 , 18, | 3.8 | 11 |
| 185 | Asynchronous cooperation requirement planning with reconfigurable end-effectors. <i>Robotics and Computer-Integrated Manufacturing</i> , 2015 , 34, 95-104 | 9.2 | 11 |
| 184 | Cooperative production switchover coordination for the real-time order acceptance decision. <i>International Journal of Production Research</i> , 2011 , 49, 1813-1826 | 7.8 | 11 |
| 183 | Fault-tolerant sensor integration for micro flow-sensor arrays and networks. <i>Computers and Industrial Engineering</i> , 2008 , 54, 634-647 | 6.4 | 11 |
| 182 | Collaborative Coordination Control (CCC) of Distributed Multimachine Manufacturing. <i>CIRP Annals - Manufacturing Technology</i> , 1992 , 41, 441-445 | 4.9 | 11 |
| 181 | Motion Planning and Control of Robots 295-315 | | 11 |
| 180 | A collaborative control protocol for agricultural robot routing with online adaptation. <i>Computers and Industrial Engineering</i> , 2019 , 135, 456-466 | 6.4 | 10 |
| 179 | Conflict resolution in supply chain security. <i>International Journal of Value Chain Management</i> , 2009 , 3, 168 | 0.3 | 10 |
| 178 | Sensor economy principles and selection procedures. <i>IIE Transactions</i> , 2000 , 32, 195-203 | | 10 |

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| 177 | Design of Protocols for Task Administration in Collaborative Production Systems. <i>International Journal of Computers, Communications and Control</i> , 2014 , 5, 91 | 3.6 | 10 |
| 176 | Best-matching with interdependent preferences Implications for capacitated cluster formation and evolution. <i>Decision Support Systems</i> , 2015 , 79, 125-137 | 5.6 | 9 |
| 175 | Intelligent information sharing among manufacturers in supply networks: supplier selection case. <i>Journal of Intelligent Manufacturing</i> , 2018 , 29, 1097-1113 | 6.7 | 9 |
| 174 | Adaptive direct/indirect delivery decision protocol by collaborative negotiation among manufacturers, distributors, and retailers. <i>International Journal of Production Economics</i> , 2015 , 167, 232-245 | 9.3 | 9 |
| 173 | A statistical analysis of interference and effective deployment strategies for facility-specific wireless sensor networks. <i>Computers in Industry</i> , 2010 , 61, 472-479 | 11.6 | 9 |
| 172 | Analysis of cooperation effects in Two-Center production models. <i>International Journal of Production Economics</i> , 2003 , 84, 101-112 | 9.3 | 9 |
| 171 | Facility description language for integrating distributed designs. <i>International Journal of Production Research</i> , 2000 , 38, 2471-2488 | 7.8 | 9 |
| 170 | Collaborative e-Work, e-Business, and e-Service 2009 , 1549-1576 | | 9 |
| 169 | Adaptive Fuzzy Collaborative Task Assignment for Heterogeneous Multirobot Systems. <i>International Journal of Intelligent Systems</i> , 2015 , 30, 731-762 | 8.4 | 8 |
| 168 | Design of collaboration framework for distributed CIM data activities. <i>IIE Transactions</i> , 2001 , 33, 535-546 | | 8 |
| 167 | Collaborative Control Protocol for Agricultural Cyber-physical System. <i>Procedia Manufacturing</i> , 2019 , 39, 235-242 | 1.5 | 8 |
| 166 | Precision and Calibration 795-810 | | 8 |
| 165 | Collaborative e-work parallelism in supply decisions networks: the chemical dimension. <i>Journal of Intelligent Manufacturing</i> , 2017 , 28, 1337-1355 | 6.7 | 7 |
| 164 | Real-time administration of tool sharing and best matching to enhance assembly lines balanceability and flexibility. <i>Mechatronics</i> , 2015 , 31, 147-157 | 3 | 7 |
| 163 | Dynamic Lines of Collaboration in CPS Disruption Response. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 7855-7860 | | 7 |
| 162 | Collaborative Intelligence - Definition and Measured Impacts on Internetworked e-Work. <i>Management and Production Engineering Review</i> , 2015 , 6, 67-78 | | 7 |
| 161 | Design of timeout-based wireless microsensor network protocols: energy and latency considerations. <i>International Journal of Sensor Networks</i> , 2009 , 5, 142 | 0.8 | 7 |
| 160 | Analytic procedures for optimizing engineering task integration topologies. <i>Decision Support Systems</i> , 1996 , 17, 159-182 | 5.6 | 7 |

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| 159 | Analysis of Multi-Robot Systems. <i>IIE Transactions</i> , 1986 , 18, 226-234 | | 7 |
| 158 | A methodology for computer-aided facility planning. <i>International Journal of Production Research</i> , 1980 , 18, 699-722 | 7.8 | 7 |
| 157 | Perspectives on Manufacturing Automation Under the Digital and Cyber Convergence. <i>Polytechnica</i> , 2018 , 1, 36-47 | 1 | 7 |
| 156 | Stereo Vision for Industrial Applications 269-294 | | 7 |
| 155 | A best-matching protocol for order fulfillment in re-configurable supply networks. <i>Computers in Industry</i> , 2016 , 82, 160-169 | 11.6 | 6 |
| 154 | Design and administration of collaborative networked headquarters. <i>International Journal of Production Research</i> , 2016 , 54, 7074-7090 | 7.8 | 6 |
| 153 | A protocol for processing interfered data in facility sensor networks. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 67, 2377-2385 | 3.2 | 6 |
| 152 | Best Matching Theory & Applications. <i>Automation, Collaboration, and E-services</i> , 2017 , | 0.4 | 6 |
| 151 | Automatic Multi-sensor Task Allocation Using Modified Distributed Bees Algorithm 2013 , | | 6 |
| 150 | Observations on the normality of batch production times in flexible manufacturing cells. <i>International Journal of Production Research</i> , 1987 , 25, 151-154 | 7.8 | 6 |
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| 148 | Collaboration Requirement Planning Protocol for HUB-CI in Factories of the Future. <i>Procedia Manufacturing</i> , 2019 , 39, 218-225 | 1.5 | 6 |
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| 146 | HUB-CI Model for Collaborative Telerobotics in Manufacturing. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 63-68 | | 5 |
| 145 | Constraint-based conflict and error management. <i>Engineering Optimization</i> , 2012 , 44, 821-841 | 2 | 5 |
| 144 | Robot Ergonomics: Optimizing Robot Work 603-644 | | 5 |
| 143 | Next generation of production research:. <i>International Journal of Production Economics</i> , 1999 , 60-61, 29-34 | 9.3 | 5 |
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| 141 | Automating Errors and Conflicts Prognostics and Prevention 2009 , 503-525 | | 5 |
| 140 | Co-Insights framework for collaborative decision support and tacit knowledge transfer. <i>Expert Systems With Applications</i> , 2016 , 45, 85-96 | 7.8 | 4 |
| 139 | The constrained-collaboration algorithm for intelligent resource distribution in supply networks. <i>Computers and Industrial Engineering</i> , 2017 , 113, 803-818 | 6.4 | 4 |
| 138 | Laser and Photonic Systems Integration: Emerging Innovations and Framework for Research and Education. <i>Human Factors and Ergonomics in Manufacturing</i> , 2013 , 23, 483-516 | 1.4 | 4 |
| 137 | Timeout-Based Information Forwarding Protocol for Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2007 , 3, 331-346 | 1.7 | 4 |
| 136 | Medical Robotics and Computer-Integrated Surgery1213-1227 | | 4 |
| 135 | Tool integration for collaborative design of manufacturing cells. <i>International Journal of Production Economics</i> , 1995 , 38, 23-30 | 9.3 | 4 |
| 134 | Active coordination of a CIM multi-database system. <i>International Journal of Computer Integrated Manufacturing</i> , 1995 , 8, 116-125 | 4.3 | 4 |
| 133 | Graphic-based analysis of robot motion economy principles. <i>Robotics and Computer-Integrated Manufacturing</i> , 1996 , 12, 185-193 | 9.2 | 4 |
| 132 | Research Needs and Challenges in Application of Computer and Information Sciences for Industrial Engineering. <i>IIE Transactions</i> , 1989 , 21, 50-65 | | 4 |
| 131 | Dynamic process selection procedures and their effect on machine configuration. <i>International Journal of Machine Tool Design & Research</i> , 1980 , 20, 137-146 | | 4 |
| 130 | Human-in-the-loop: Role in Cyber Physical Agricultural Systems. <i>International Journal of Computers, Communications and Control</i> , 2021 , 16, | 3.6 | 4 |
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| 128 | Food and Agriculture Robotics1143-1155 | | 4 |
| 127 | Balanceable assembly lines with dynamic tool sharing and best matching decisions collaborative assembly framework. <i>IIE Transactions</i> , 2015 , 47, 1363-1378 | | 3 |
| 126 | User Requirement Analysis for an Online Collaboration Tool for Senior Industrial Engineering Design Course. <i>Human Factors and Ergonomics in Manufacturing</i> , 2014 , 24, 557-573 | 1.4 | 3 |
| 125 | Research Advances in Manufacturing with Service-Oriented e-Work and Production. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 251-256 | | 3 |
| 124 | BEST-MATCHING PROTOCOL FOR COOPERATION REQUIREMENT PLANNING IN DISTRIBUTED ASSEMBLY NETWORKS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007 , 40, 65-68 | | 3 |

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| 123 | Investigation of PVM for the emulation and simulation of a distributed CIM workflow system. <i>International Journal of Computer Integrated Manufacturing</i> , 2000 , 13, 401-409 | 4.3 | 3 |
| 122 | Kinematics and Dynamics of Robot Manipulators 79-98 | | 3 |
| 121 | Analytic and empirical assessment models of on-line inspection technologies. <i>Computers and Industrial Engineering</i> , 1993 , 25, 439-443 | 6.4 | 3 |
| 120 | Resilience Informatics for Cyber-augmented Manufacturing Networks (CMN): Centrality, Flow and Disruption. <i>Studies in Informatics and Control</i> , 2018 , 27, | 2.1 | 3 |
| 119 | Integration and Collaboration Models 1994 , 1-6 | | 3 |
| 118 | Cooperation Requirement Planning for Multiprocessors 1994 , 179-200 | | 3 |
| 117 | Dynamic Lines of Collaboration. <i>Automation, Collaboration, and E-services</i> , 2020 , | 0.4 | 3 |
| 116 | Collaboration protocols for sustainable wind energy distribution networks. <i>International Journal of Production Economics</i> , 2016 , 182, 496-507 | 9.3 | 3 |
| 115 | Historical Perspective and Role in Automation 1-10 | | 3 |
| 114 | Industrial Robotics Standards 447-459 | | 3 |
| 113 | e-Learning and e-Training 2015 , 357-390 | | 2 |
| 112 | Dynamic Tool Sharing with Best Matching Protocols for Efficient Assembly Line Balancing. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 426-431 | | 2 |
| 111 | Security of Supply Chains by Automatic Multi-Agents Collaboration. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 475-480 | | 2 |
| 110 | Development of integrated models for material flow Design and control from a tool perspective. <i>Robotics and Computer-Integrated Manufacturing</i> , 1998 , 14, 441-454 | 9.2 | 2 |
| 109 | Collaborative e-Work and e-MFG.: Challenges for Production and Logistics Managers. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 1-13 | | 2 |
| 108 | Manipulator Design 41-78 | | 2 |
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| 106 | Impact of integrating knowledge-based technologies in manufacturing: an evaluation. <i>Computer Integrated Manufacturing Systems</i> , 1991 , 4, 254-263 | | 2 |

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| 105 | Analysis of robot work characteristics. <i>Industrial Robot</i> , 1982 , 9, 166-171 | 1.4 | 2 |
| 104 | CAD and Graphic Simulators/Emulators of Robotic Systems755-772 | | 2 |
| 103 | Design Issues for Information Assurance with Agents: Coordination Protocols and Role Combination in Agents 2001 , | | 2 |
| 102 | Strategic lines of collaboration in response to disruption propagation (CRDP) through cyber-physical systems. <i>International Journal of Production Economics</i> , 2020 , 230, 107865 | 9.3 | 2 |
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| 100 | Virtual Reality and Robotics325-333 | | 2 |
| 99 | Assembly: Mechanical Products975-995 | | 2 |
| 98 | Collaboration Platform for Sustainable Wind Energy Distribution Network. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 4266-4271 | | 1 |
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| 96 | Design of Collaborative e-Service Systems227-252 | | 1 |
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| 94 | Security Awareness and Alertness Training in State Departments of Transportation. <i>Transportation Research Record</i> , 2006 , 1942, 39-51 | 1.7 | 1 |
| 93 | Models of Work. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2000 , 33, 553-560 | | 1 |
| 92 | Robotics Terminology1259-1317 | | 1 |
| 91 | An interactive robotic device with progress monitoring. <i>Robotica</i> , 1992 , 10, 11-18 | 2.1 | 1 |
| 90 | Design of a knowledge-based performance progress monitor. <i>Computers and Industrial Engineering</i> , 1992 , 22, 101-114 | 6.4 | 1 |
| 89 | Justification of Robotics Systems675-694 | | 1 |
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| 87 | Assembly: Electronics997-1012 | | 1 |
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| 84 | Multi-agent system optimisation in factories of the future: cyber collaborative warehouse study. <i>International Journal of Production Research</i> ,1-15 | 7.8 | 1 |
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| 82 | e-Logistics, e-Production, and e-Supply Networks 2015 , 237-271 | | 1 |
| 81 | Theory and Practice in Decision Support for Manufacturing Control 1983 , 325-348 | | 1 |
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| 77 | Emerging Directions of Precision Agriculture and Agricultural Robotics. <i>Progress in Precision Agriculture</i> , 2021 , 177-210 | | 1 |
| 76 | Management Policies of Computer-Integrated Manufacturing/Robotics473-494 | | 1 |
| 75 | Electronics, Instruments, and Semiconductor Industry1081-1116 | | 1 |
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| 73 | Plant stress propagation detection and monitoring with disruption propagation network modelling and Bayesian network inference. <i>International Journal of Production Research</i> , 2022 , 60, 723-741 | 7.8 | 1 |
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58 Robots and Machine Intelligence 19-30

57 Emerging Trends and Industry Needs 31-40

56 On-Line Programming 335-351

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- 48 Introduction and fundamental concepts of assembly **1997**, 1-44
- 47 Time-managed material flow control **1997**, 350-405
- 46 Performance evaluation of stochastic assembly systems **1997**, 259-311
- 45 Emerging trends in assembly **1997**, 459-489
- 44 Quality and inspection in assembly **1997**, 406-458
- 43 Design for assembly **1997**, 84-134
- 42 e-Work in Product and Service Development **2015**, 203-235
- 41 e-Service Industry **2015**, 315-356
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- 35 Collaborative Manufacturing 601-619
- 34 Automation Technology 155-176

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