

Damien Trentesaux

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.

202
papers

3,214
citations

28
h-index

48
g-index

217
ext. papers

3,795
ext. citations

3.2
avg, IF

6.05
L-index

#	Paper	IF	Citations
202	Towards designing and operating physical internet cross-docks: Problem specifications and research perspectives. <i>Omega</i> , 2022 , 111, 102641	7.2	2
201	Design and Use of Human Operator Digital Twins in Industrial Cyber-Physical Systems: Ethical Implications. <i>IFAC-PapersOnLine</i> , 2022 , 55, 360-365	0.7	
200	A Secured Industrial Internet-of-Things Architecture Based on Blockchain Technology and Machine Learning for Sensor Access Control Systems in Smart Manufacturing. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4641	2.6	4
199	Toward Efficient FMS Scheduling Through Rules Combination Using an Optimization-Simulation Mechanism. <i>Studies in Computational Intelligence</i> , 2022 , 559-571	0.8	
198	Evolution of the Human Digital Representation in Manufacturing Production Systems. <i>Studies in Computational Intelligence</i> , 2022 , 201-211	0.8	
197	A Vision of Applied Ethics in Industrial Cyber-Physical Systems. <i>Studies in Computational Intelligence</i> , 2022 , 319-331	0.8	
196	A Framework Fostering the Consideration of Ethics During the Design of Industrial Cyber-Physical Systems. <i>Studies in Computational Intelligence</i> , 2022 , 349-362	0.8	
195	Multi-objective Truck Scheduling in a Physical Internet Road-Road Cross-docking Hub. <i>IFAC-PapersOnLine</i> , 2021 , 54, 647-652	0.7	1
194	From Human-Human to Human-Machine Cooperation in Manufacturing 4.0. <i>Processes</i> , 2021 , 9, 1910	2.9	2
193	A new methodological support for control and optimization of manufacturing systems in the context of product customization. <i>Journal of Industrial and Production Engineering</i> , 2021 , 38, 341-355	1	2
192	AI-based speed control models for the autonomous train: a literature review 2021 ,		2
191	Digital interoperability in logistics and supply chain management: state-of-the-art and research avenues towards Physical Internet. <i>Computers in Industry</i> , 2021 , 128, 103435	11.6	15
190	Dynamic scheduling of manufacturing systems: a product-driven approach using hyper-heuristics. <i>International Journal of Computer Integrated Manufacturing</i> , 2021 , 34, 641-665	4.3	5
189	A Multi-agent Model for the Multi-plant Multi-product Physical Internet Supply Chain Network. <i>Studies in Computational Intelligence</i> , 2021 , 435-448	0.8	1
188	Multi-objective Cross-Docking in Physical Internet Hubs Under Arrival Time Uncertainty. <i>Studies in Computational Intelligence</i> , 2021 , 460-472	0.8	
187	A Benchmarking Platform for Human-Machine Cooperation in Cyber-Physical Manufacturing Systems. <i>Studies in Computational Intelligence</i> , 2021 , 313-326	0.8	2
186	Ensuring Ethics of Cyber-Physical and Human Systems: A Guideline. <i>Studies in Computational Intelligence</i> , 2021 , 223-233	0.8	4

185	Decision-Making in Future Industrial Systems: Is Ethics a New Performance Indicator?. <i>Studies in Computational Intelligence</i> , 2021 , 231-245	0.8	3
184	Ten years of SOHOMA Workshop Proceedings: A Bibliometric Analysis and Leading Trends. <i>Studies in Computational Intelligence</i> , 2021 , 151-168	0.8	
183	Digital interoperability and transformation in logistics and supply chain management: Editorial. <i>Computers in Industry</i> , 2021 , 129, 103462	11.6	5
182	Industrial Performance: An Evolution Incorporating Ethics in the Context of Industry 4.0. <i>Sustainability</i> , 2021 , 13, 9209	3.6	7
181	Ethics of Autonomous Intelligent Systems in the Human Society: Cross Views from Science, Law and Science-Fiction. <i>Studies in Computational Intelligence</i> , 2021 , 246-261	0.8	2
180	Human-Machine Cooperation with Autonomous CPS in the Context of Industry 4.0: A Literature Review. <i>Studies in Computational Intelligence</i> , 2021 , 327-342	0.8	2
179	Scheduling trucks and storage operations in a multiple-door cross-docking terminal considering multiple storage zones. <i>International Journal of Production Research</i> , 2020 , 1-25	7.8	2
178	Industry 4.0: contributions of holonic manufacturing control architectures and future challenges. <i>Journal of Intelligent Manufacturing</i> , 2020 , 32, 1797	6.7	47
177	Maintenance of the Autonomous Train: A Human-Machine Cooperation Framework. <i>Lecture Notes in Mobility</i> , 2020 , 135-148	0.5	3
176	Ethical stakes of Industry 4.0. <i>IFAC-PapersOnLine</i> , 2020 , 53, 17002-17007	0.7	9
175	Multi-agent system for the reactive fleet maintenance support planning of a fleet of mobile cyberphysical systems. <i>IET Cyber-Physical Systems: Theory and Applications</i> , 2020 , 5, 376-387	2.5	2
174	Bi-local search based variable neighborhood search for job-shop scheduling problem with transport constraints. <i>Optimization Letters</i> , 2020 , 1	1.1	0
173	A Survey on the Usage of Blockchain Technology for Cyber-Threats in the Context of Industry 4.0. <i>Sustainability</i> , 2020 , 12, 9179	3.6	24
172	Human Fatigue Aware Cyber-Physical Production System 2020 ,		3
171	Manufacturing 4.0 Operations Scheduling with AGV Battery Management Constraints. <i>Energies</i> , 2020 , 13, 4948	3.1	14
170	An energy-efficient scheduling and rescheduling method for production and logistics systems. <i>International Journal of Production Research</i> , 2020 , 58, 3263-3283	7.8	20
169	Ethical Behaviour Aspects of Autonomous Intelligent Cyber-Physical Systems. <i>Studies in Computational Intelligence</i> , 2020 , 55-71	0.8	5
168	Human-Machine Cooperation for the Distributed Control of a Hybrid Control Architecture. <i>Studies in Computational Intelligence</i> , 2020 , 98-110	0.8	1

167	Proposal of a multi-agent model for the sustainable truck scheduling and containers grouping problem in a Road-Rail physical internet hub. <i>International Journal of Production Research</i> , 2020 , 58, 5477-5501 ¹⁸	7.8	18
166	Effective dynamic selection of smart products scheduling rules in FMS. <i>Manufacturing Letters</i> , 2019 , 20, 45-48	4.5	2
165	Multi-Objective Sustainable Truck Scheduling in a RailRoad Physical Internet Cross-Docking Hub Considering Energy Consumption. <i>Sustainability</i> , 2019 , 11, 3127	3.6	21
164	Digital transformation of manufacturing through cloud services and resource virtualization. <i>Computers in Industry</i> , 2019 , 108, 150-162	11.6	75
163	A framework to help decision makers to be environmentally aware during the maintenance of cyber physical systems. <i>Environmental Impact Assessment Review</i> , 2019 , 77, 11-22	5.3	23
162	Horizontal collaborative transport: survey of solutions and practical implementation issues. <i>International Journal of Production Research</i> , 2019 , 57, 5340-5361	7.8	69
161	Event management architecture for the monitoring and diagnosis of a fleet of trains: a case study. <i>Journal of Modern Transportation</i> , 2019 , 27, 169-187	3.7	3
160	An equivalent conversion method for dual-armed multi-cluster tool scheduling problems with multi-wafer types. <i>International Journal of Manufacturing Technology and Management</i> , 2019 , 33, 14	0.4	1
159	Cooperation Between Smart Manufacturing Scheduling Systems and Energy Providers: A Multi-agent Perspective. <i>Studies in Computational Intelligence</i> , 2019 , 197-210	0.8	
158	Human-Machine Cooperation in Self-organized Production Systems: A Point of View. <i>Studies in Computational Intelligence</i> , 2019 , 123-132	0.8	1
157	Servitization in Train Transportation. <i>Studies in Computational Intelligence</i> , 2019 , 273-284	0.8	
156	Assessing cyber-physical systems to balance maintenance replacement policies and optimise long-run average costs for aircraft assets. <i>IET Cyber-Physical Systems: Theory and Applications</i> , 2019 , 4, 148-155	2.5	1
155	Root causes analysis and fault prediction in intelligent transportation systems: coupling unsupervised and supervised learning techniques 2019 ,		1
154	A Simulation-Optimization Approach for Two-Way Scheduling/Grouping in a Road-Rail Physical Internet Hub. <i>IFAC-PapersOnLine</i> , 2019 , 52, 1644-1649	0.7	2
153	Coping with disruptions in complex systems: a framework. <i>IFAC-PapersOnLine</i> , 2019 , 52, 2413-2418	0.7	1
152	ETHICAL RISKS OF HUMAN-MACHINE SYMBIOSIS IN INDUSTRY 4.0: INSIGHTS FROM THE HUMAN-MACHINE COOPERATION APPROACH. <i>IFAC-PapersOnLine</i> , 2019 , 52, 19-24	0.7	23
151	Towards Energy Efficient Scheduling of Manufacturing Systems through Collaboration between Cyber Physical Production and Energy Systems. <i>Energies</i> , 2019 , 12, 4448	3.1	13
150	Tabu Search Robustness for Cross-Dock and PI-Hub Scheduling Under Possible Internal Transportation Breakdowns. <i>Studies in Computational Intelligence</i> , 2019 , 295-307	0.8	2

149	Specifying a Condition-Based Maintenance Decision Support System of a Fleet of Cyber-Physical Systems. <i>Studies in Computational Intelligence</i> , 2019 , 285-294	0.8	1
148	Generic Routings for ConWip Sizing in a Multi-product Environment. <i>Studies in Computational Intelligence</i> , 2018 , 447-460	0.8	1
147	Data Management Architectures for the Improvement of the Availability and Maintainability of a Fleet of Complex Transportation Systems: A State-of-the-Art Review. <i>Studies in Computational Intelligence</i> , 2018 , 93-110	0.8	3
146	Decentralized Motion Planning and Scheduling of AGVs in an FMS. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 1744-1752	11.9	41
145	Simulation for PI-Hub Cross-Docking Robustness. <i>Studies in Computational Intelligence</i> , 2018 , 317-328	0.8	3
144	Artificial Intelligence, Autonomous Systems and Robotics: Legal Innovations. <i>Studies in Computational Intelligence</i> , 2018 , 1-9	0.8	7
143	The ConWip production control system: a systematic review and classification. <i>International Journal of Production Research</i> , 2018 , 56, 5736-5757	7.8	23
142	Towards human-based industrial cyber-physical systems 2018 ,		18
141	The Autonomous Train 2018 ,		12
140	Reactive Power Dispatch Optimization with Voltage Profile Improvement Using an Efficient Hybrid Algorithm. <i>Energies</i> , 2018 , 11, 2134	3.1	26
139	Smartness Versus Embeddability: A Tradeoff for the Deployment of Smart AGVs in Industry. <i>Studies in Computational Intelligence</i> , 2018 , 395-406	0.8	1
138	MULTIDISCIPLINARY ENGINEERING TO SOLVE THE PROBLEM OF CONGESTIONING IN VEHICULAR SYSTEMS. <i>Dyna (Spain)</i> , 2018 , 93, 471-471	0.4	
137	Foundation of the Surfer Data Management Architecture and Its Application to Train Transportation. <i>Studies in Computational Intelligence</i> , 2018 , 111-125	0.8	5
136	Using process-mining for understating the emergence of self-organizing manufacturing systems.. <i>IFAC-PapersOnLine</i> , 2018 , 51, 1618-1623	0.7	6
135	Towards Energy Efficient Scheduling and Rescheduling for Dynamic Flexible Job Shop Problem. <i>IFAC-PapersOnLine</i> , 2018 , 51, 1275-1280	0.7	24
134	Evolution of holonic control architectures towards Industry 4.0: A short overview. <i>IFAC-PapersOnLine</i> , 2018 , 51, 1243-1248	0.7	18
133	Coupling predictive scheduling and reactive control in manufacturing hybrid control architectures: state of the art and future challenges. <i>Journal of Intelligent Manufacturing</i> , 2017 , 28, 1503-1517	6.7	49
132	Holonic and multi-agent technologies for service and computing oriented manufacturing. <i>Journal of Intelligent Manufacturing</i> , 2017 , 28, 1501-1502	6.7	4

131	Service Orientation in Holonic and Multi-Agent Manufacturing. <i>Studies in Computational Intelligence</i> , 2017 ,	0.8	2
130	Two stage particle swarm optimization to solve the flexible job shop predictive scheduling problem considering possible machine breakdowns. <i>Computers and Industrial Engineering</i> , 2017 , 112, 595-606	6.4	67
129	Designing intelligent manufacturing systems through Human-Machine Cooperation principles: A human-centered approach. <i>Computers and Industrial Engineering</i> , 2017 , 111, 581-595	6.4	145
128	A multi-agent system based on reactive decision rules for solving the caregiver routing problem in home health care. <i>Simulation Modelling Practice and Theory</i> , 2017 , 74, 134-151	3.9	27
127	A holonic multi-agent methodology to design sustainable intelligent manufacturing control systems. <i>Journal of Cleaner Production</i> , 2017 , 167, 1370-1386	10.3	28
126	Approximate optimal method for cyclic solutions in multi-robotic cell with processing time window. <i>Robotics and Autonomous Systems</i> , 2017 , 98, 307-316	3.5	2
125	Future Industrial Systems: Best Practices of the Intelligent Manufacturing and Services Systems (IMS2) French Research Group. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 704-713	11.9	29
124	Pollux: a dynamic hybrid control architecture for flexible job shop systems. <i>International Journal of Production Research</i> , 2017 , 55, 4229-4247	7.8	34
123	Designing Ethical Cyber-Physical Industrial Systems. <i>IFAC-PapersOnLine</i> , 2017 , 50, 14934-14939	0.7	19
122	Decision support in condition-based maintenance of a fleet of cyber-physical systems: A fuzzy logic approach 2017 ,		4
121	The CONWIP Production Control System. Classification and discussion of current and future research avenues. <i>Journal European Des Systemes Automatises</i> , 2017 , 50, 187-211	1.8	3
120	Smart Condition Based Maintenance (S-CBM) for a Fleet of Mobile Entities. <i>Studies in Computational Intelligence</i> , 2017 , 115-123	0.8	3
119	Emerging Key Requirements for Future Energy-Aware Production Scheduling Systems: A Multi-agent and Holonic Perspective. <i>Studies in Computational Intelligence</i> , 2017 , 127-141	0.8	4
118	Disruptions Are the Norm: Cyber-Physical Multi-agent Systems for Autonomous Real-Time Resource Management. <i>Studies in Computational Intelligence</i> , 2017 , 287-294	0.8	4
117	Specifying Self-organising Logistics System: Openness, Intelligence, and Decentralised Control. <i>Studies in Computational Intelligence</i> , 2017 , 93-102	0.8	4
116	Analysing the Impact of Rescheduling Time in Hybrid Manufacturing Control. <i>Studies in Computational Intelligence</i> , 2017 , 225-236	0.8	
115	Assessment of mathematical programming and agent-based modelling for off-line scheduling: Application to energy aware manufacturing. <i>CIRP Annals - Manufacturing Technology</i> , 2016 , 65, 405-408	4.9	12
114	Navigation Scheme with Priority-Based Scheduling of Mobile Agents: Application to AGV-Based Flexible Manufacturing System. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016 , 82, 495-512	2.9	15

113	Artefacts and Guidelines for Designing Sustainable Manufacturing Systems. <i>Studies in Computational Intelligence</i> , 2016 , 93-101	0.8	1
112	Cross benefits from cyber-physical systems and intelligent products for future smart industries 2016 ,		18
111	Using IoT in breakdown tolerance: PSO solving FJSP 2016 ,		1
110	A dynamic hybrid control architecture for sustainable manufacturing control. <i>IFAC-PapersOnLine</i> , 2016 , 49, 114-119	0.7	
109	Human-machine cooperation to design Intelligent Manufacturing Systems 2016 ,		5
108	Balancing preventive and corrective maintenance of aircraft assets: A cyber-physical systems approach 2016 ,		4
107	A Human-Centred Design to Break the Myth of the Magic Human in Intelligent Manufacturing Systems. <i>Studies in Computational Intelligence</i> , 2016 , 103-113	0.8	27
106	A switching mechanism framework for optimal coupling of predictive scheduling and reactive control in manufacturing hybrid control architectures. <i>International Journal of Production Research</i> , 2016 , 54, 7027-7042	7.8	10
105	A Nervousness Regulator Framework for Dynamic Hybrid Control Architectures. <i>Studies in Computational Intelligence</i> , 2016 , 199-209	0.8	2
104	GRASP-based heuristic algorithm for the multi-product multi-vehicle inventory routing problem. <i>4or</i> , 2016 , 14, 377-404	1.4	8
103	An Iterative Greedy Insertion Technique for Flexible Job Shop Scheduling Problem. <i>IFAC-PapersOnLine</i> , 2016 , 49, 1956-1961	0.7	4
102	Go-green manufacturing holons: A step towards sustainable manufacturing operations control. <i>Manufacturing Letters</i> , 2015 , 5, 29-33	4.5	25
101	Solving the flexible job-shop just-in-time scheduling problem with quadratic earliness and tardiness costs. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 81, 1871-1891	3.2	5
100	Software Engineering Methods for Intelligent Manufacturing Systems: A Comparative Survey. <i>Lecture Notes in Computer Science</i> , 2015 , 11-21	0.9	8
99	Energy-aware manufacturing operations. <i>International Journal of Production Research</i> , 2015 , 53, 6994-7004	0.8	17
98	Improving the ADACOR2 supervisor holon scheduling mechanism with genetic algorithms 2015 ,		2
97	Governance mechanism in control architectures for flexible manufacturing systems. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1093-1098	0.7	8
96	Reactive control of overall power consumption in flexible manufacturing systems scheduling: A Potential Fields model. <i>Control Engineering Practice</i> , 2015 , 44, 193-208	3.9	10

95	Industrial Applications of Holonic and Multi-Agent Systems. <i>Lecture Notes in Computer Science</i> , 2015 ,	0.9	4
94	Sustainability in manufacturing operations scheduling: A state of the art review. <i>Journal of Manufacturing Systems</i> , 2015 , 37, 126-140	9.1	164
93	Dynamic self-organization in holonic multi-agent manufacturing systems: The ADACOR evolution. <i>Computers in Industry</i> , 2015 , 66, 99-111	11.6	153
92	An MIP approach to optimize the fundamental period of multi-cluster tools system with residency constraints. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1732-1737	0.7	
91	Arezzo-flexible manufacturing system: A generic flexible manufacturing system shop floor emulator approach for high-level control virtual commissioning. <i>Concurrent Engineering Research and Applications</i> , 2015 , 23, 333-342	1.7	10
90	Proposition of a hybrid control architecture for the routing in a Physical Internet cross-docking hub. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1978-1983	0.7	17
89	Switching mode control strategy in manufacturing execution systems. <i>International Journal of Production Research</i> , 2015 , 53, 1950-1963	7.8	24
88	Service Orientation in Holonic and Multi-agent Manufacturing. <i>Studies in Computational Intelligence</i> , 2015 ,	0.8	4
87	Bottleneck-based opportunistic maintenance model for series production systems. <i>Journal of Quality in Maintenance Engineering</i> , 2015 , 21, 70-88	1.1	16
86	Planning and Control of Maintenance, Repair and Overhaul Operations of a Fleet of Complex Transportation Systems: A Cyber-Physical System Approach. <i>Studies in Computational Intelligence</i> , 2015 , 175-186	0.8	9
85	Coupling Predictive Scheduling and Reactive Control in Manufacturing: State of the Art and Future Challenges. <i>Studies in Computational Intelligence</i> , 2015 , 29-37	0.8	3
84	An Approach for Characterizing the Operating Modes in Dynamic Hybrid Control Architectures. <i>Lecture Notes in Computer Science</i> , 2015 , 108-119	0.9	1
83	Behavioural Validation of the ADACOR2 Self-organized Holonic Multi-agent Manufacturing System. <i>Lecture Notes in Computer Science</i> , 2015 , 59-70	0.9	2
82	Volatile Knowledge to Improve the Self-adaptation of Autonomous Shuttles in Flexible Job Shop Manufacturing System. <i>Studies in Computational Intelligence</i> , 2015 , 219-231	0.8	1
81	Service Orientation in Holonic and Multi-Agent Manufacturing and Robotics. <i>Studies in Computational Intelligence</i> , 2014 ,	0.8	6
80	Scheduling under uncertainty: Survey and research directions 2014 ,		37
79	Sustainability in Manufacturing Operations Scheduling: Stakes, Approaches and Trends. <i>Lecture Notes in Computer Science</i> , 2014 , 106-113	0.9	9
78	Reactive and energy-aware scheduling of flexible manufacturing systems using potential fields. <i>Computers in Industry</i> , 2014 , 65, 434-448	11.6	55

77	Reducing myopic behavior in FMS control: A semi-heterarchical simulation optimization approach. <i>Simulation Modelling Practice and Theory</i> , 2014 , 46, 53-75	3.9	37
76	ORCA-FMS: a dynamic architecture for the optimized and reactive control of flexible manufacturing scheduling. <i>Computers in Industry</i> , 2014 , 65, 706-720	11.6	65
75	Cooperation mechanisms in multi-agent robotic systems and their use in distributed manufacturing control: Issues and literature review 2014 ,		4
74	Supply Chain Management Using Multi-Agent Systems in the Agri-Food Industry. <i>Studies in Computational Intelligence</i> , 2014 , 145-155	0.8	4
73	Coupling a genetic algorithm with the distributed arrival-time control for the JIT dynamic scheduling of flexible job-shops. <i>International Journal of Production Research</i> , 2014 , 52, 3688-3709	7.8	18
72	Routing Management in Physical Internet Crossdocking Hubs: Study of Grouping Strategies for Truck Loading. <i>Lecture Notes in Computer Science</i> , 2014 , 483-490	0.9	9
71	Hybrid PSO-tabu search for the optimal reactive power dispatch problem 2014 ,		24
70	Distributed manufacturing control with extended CNP interaction of intelligent products. <i>Journal of Intelligent Manufacturing</i> , 2014 , 25, 1065-1075	6.7	42
69	Are Intelligent Manufacturing Systems Sustainable?. <i>Studies in Computational Intelligence</i> , 2014 , 3-14	0.8	12
68	Extraction of Priority Rules for Boolean Induction in Distributed Manufacturing Control. <i>Studies in Computational Intelligence</i> , 2014 , 127-143	0.8	
67	The control of myopic behavior in semi-heterarchical production systems: A holonic framework. <i>Engineering Applications of Artificial Intelligence</i> , 2013 , 26, 800-817	7.2	34
66	State of the Art and Future Trends of Optimality and Adaptability Articulated Mechanisms for Manufacturing Control Systems 2013 ,		2
65	Benchmarking flexible job-shop scheduling and control systems. <i>Control Engineering Practice</i> , 2013 , 21, 1204-1225	3.9	74
64	Embedded holonic fault diagnosis of complex transportation systems. <i>Engineering Applications of Artificial Intelligence</i> , 2013 , 26, 227-240	7.2	45
63	Self-Organized Holonic Multi-agent Manufacturing System: The Behavioural Perspective 2013 ,		4
62	Cooperation models between humans and artificial self-organizing systems: Motivations, issues and perspectives 2013 ,		6
61	Introduction to Shop-Floor Control 2013 , 1-9		4
60	Effective, energy-aware control of a production system: a potential fields approach. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 330-335		3

59	Service Orientation in Holonic and Multi Agent Manufacturing and Robotics. <i>Studies in Computational Intelligence</i> , 2013 ,	0.8	8
58	Product-Driven Control: Concept, Literature Review and Future Trends. <i>Studies in Computational Intelligence</i> , 2013 , 135-150	0.8	6
57	Structural Self-organized Holonic Multi-Agent Manufacturing Systems. <i>Lecture Notes in Computer Science</i> , 2013 , 59-70	0.9	9
56	Intelligent Products: A Spinal Column to Handle Information Exchanges in Supply Chains. <i>IFIP Advances in Information and Communication Technology</i> , 2013 , 452-459	0.5	3
55	Thermal optimization of a single inlet T-junction. <i>International Journal of Thermal Sciences</i> , 2012 , 53, 1084-118	4.1	7
54	Heterarchical production control in manufacturing systems using the potential fields concept. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 1649-1670	6.7	41
53	Dynamic scheduling for multi-site companies: a decisional approach based on reinforcement multi-agent learning. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 2513-2529	6.7	42
52	Intelligent distributed production control. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 2507-2512	6.7	17
51	Service Oriented Control Framework for a Holonic System Characterized by a Guided Flow of Entities. <i>Studies in Computational Intelligence</i> , 2012 , 21-34	0.8	2
50	Bio-inspired multi-agent systems for reconfigurable manufacturing systems. <i>Engineering Applications of Artificial Intelligence</i> , 2012 , 25, 934-944	7.2	104
49	An effective potential field approach to FMS holonic heterarchical control. <i>Control Engineering Practice</i> , 2012 , 20, 1293-1309	3.9	23
48	Nervousness in Dynamic Self-organized Holonic Multi-agent Systems. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 9-17		13
47	Instantiation of the Open-Control concept in FMS based on potential fields 2012 ,		2
46	An Embedded Cooperative Hierarchy for Diagnosing Complex Moving Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 673-678		4
45	Distributed Manufacturing Control with Extended CNP Interaction of Intelligent Products. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 734-739		1
44	Product-Driven Control: a State of the Art and Future Trends. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 716-721		7
43	Service Orientation in Holonic and Multi-Agent Manufacturing Control. <i>Studies in Computational Intelligence</i> , 2012 ,	0.8	6
42	A Holonic Approach to Myopic Behavior Correction for the Allocation Process in Flexible-Job Shops Using Recursiveness. <i>Studies in Computational Intelligence</i> , 2012 , 115-128	0.8	2

41	Self-organized Holonic Manufacturing Systems Combining Adaptation and Performance Optimization. <i>International Federation for Information Processing</i> , 2012 , 163-170		4
40	Role-based manufacturing control in a holonic multi-agent system. <i>International Journal of Production Research</i> , 2011 , 49, 1455-1468	7.8	20
39	Product-driven manufacturing control with embedded decisional entities. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 3986-3991		2
38	Personal Rapid Transit in an open-control framework. <i>Computers and Industrial Engineering</i> , 2011 , 61, 300-312	6.4	20
37	A genetic algorithm for robust hybrid flow shop scheduling. <i>International Journal of Computer Integrated Manufacturing</i> , 2011 , 24, 821-833	4.3	44
36	Enhancing ADACOR with biology insights towards reconfigurable manufacturing systems 2011 ,		4
35	An approach for temporal myopia reduction in Heterarchical Control Architectures 2011 ,		10
34	Myopic Behaviour in Holonic Multiagent Systems for Distributed Control of FMS. <i>Advances in Intelligent and Soft Computing</i> , 2011 , 91-98		4
33	Roles-Based MAS Applied to the Control of Intelligent Products in FMS. <i>Lecture Notes in Computer Science</i> , 2011 , 185-194	0.9	3
32	2010 ,		1
31	The lifecycle of active and intelligent products: The augmentation concept. <i>International Journal of Computer Integrated Manufacturing</i> , 2010 , 23, 905-924	4.3	44
30	Robustness in adaptative Holonic Multiagent Systems : the Open-Control concept. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2010 , 43, 114-119		
29	Semi-heterarchical agile control architecture with intelligent product-driven scheduling. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2010 , 43, 108-113		2
28	Semi-heterarchical Allocation and Routing Processes in FMS Control: A Stigmergic Approach. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2010 , 58, 17-45	2.9	14
27	Semi-heterarchical control of FMS: From theory to application. <i>Engineering Applications of Artificial Intelligence</i> , 2010 , 23, 1314-1326	7.2	26
26	WISDOM: A website design method based on reusing design and software solutions. <i>Information and Software Technology</i> , 2010 , 52, 1272-1285	3.4	10
25	Integrated sizing support system using simulation and design of experiments 2009 ,		1
24	A stigmergic approach for dynamic routing of active products in FMS. <i>Computers in Industry</i> , 2009 , 60, 204-216	11.6	69

23	Dynamic scheduling of maintenance tasks in the petroleum industry: A reinforcement approach. <i>Engineering Applications of Artificial Intelligence</i> , 2009 , 22, 1089-1103	7.2	74
22	Distributed control of production systems. <i>Engineering Applications of Artificial Intelligence</i> , 2009 , 22, 971-978	7.2	160
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