Jose Barata

List of Publications by Citations

216 papers	1,889 citations	21 h-index	33 g-index
242 ext. papers	2,305 ext. citations	2.2 avg, IF	5.23 L-index

#	Paper	IF	Citations
216	Service-Oriented Infrastructure to Support the Deployment of Evolvable Production Systems. *IEEE Transactions on Industrial Informatics*, **2011**, 7, 759-767	11.9	99
215	The IDEAS project: plug & produce at shop-floor level. *Assembly Automation*, **2012**, 32, 124-134	2.1	77
214	Digital transformation of manufacturing through cloud services and resource virtualization. *Computers in Industry*, **2019**, 108, 150-162	11.6	75
213	IDARTS Towards intelligent data analysis and real-time supervision for industry 4.0. *Computers in Industry*, **2018**, 101, 138-146	11.6	71
212	Coalitions of manufacturing components for shop floor agility - the CoBASA architecture. *International Journal of Networking and Virtual Organisations*, **2003**, 2, 50	0.4	58
211	SOA in reconfigurable supply chains: A research roadmap. *Engineering Applications of Artificial Intelligence*, **2009**, 22, 939-949	7.2	57
210	Industrial Artificial Intelligence in Industry 4.0 - Systematic Review, Challenges and Outlook. *IEEE Access*, **2020**, 8, 220121-220139	3.5	55
209	Re-thinking diagnosis for future automation systems: An analysis of current diagnostic practices and their applicability in emerging IT based production paradigms. *Computers in Industry*, **2011**, 62, 639-659	11.6	45
208	Multistage Quality Control Using Machine Learning in the Automotive Industry. *IEEE Access*, **2019**, 7, 79908-79916	3.5	40
207	MAS and SOA: Complementary Automation Paradigms **2008**, 259-268		40
206	A Multiagent Control System for Shop Floor Assembly. *Lecture Notes in Computer Science*, **2007**, 293-302	0.9	30
205	A multiagent-based control system applied to an educational shop floor. *Robotics and Computer-Integrated Manufacturing*, **2008**, 24, 597-605	9.2	29
204	Evolvable Assembly Systems Basic Principles **2006**, 317-328		29
203	Supporting agile supply chains using a service-oriented shop floor. *Engineering Applications of Artificial Intelligence*, **2009**, 22, 950-960	7.2	28
202	Designing Self-Organization for Evolvable Assembly Systems **2008**,		26
201	An agent based framework to support plug and produce **2014**,		24
200	Generic management services for DPWS-enabled devices **2009**,		23

199	Integration and learning in supervision of flexible assembly systems. *IEEE Transactions on Automation Science and Engineering*, **1996**, 12, 202-219		23
198	Tracking natural trails with swarm-based visual saliency. *Journal of Field Robotics*, **2013**, 30, 64-86	6.7	22
197	Collaborative routing of products using a self-organizing mechatronic agent framework: A simulation study. *Computers in Industry*, **2015**, 68, 27-39	11.6	21
196	Characterising the Agriculture 4.0 Landscape: Emerging Trends, Challenges and Opportunities. *Agronomy*, **2021**, 11, 667	3.6	21
195	Mapping Industry 4.0 Enabling Technologies into United Nations Sustainability Development Goals. *Sustainability*, **2021**, 13, 2560	3.6	21
194	A Vision-Based Approach to Fire Detection. *International Journal of Advanced Robotic Systems*, **2014**, 11, 149	1.4	19
193	Outlook report on the future of European assembly automation. *Assembly Automation*, **2010**, 30, 7-31	2.1	18
192	An architecture development approach for evolvable assembly systems		18
191	A multiagent based control approach for evolvable assembly systems		18
190	A multi-agent framework for capability-based reconfiguration of industrial assembly systems. *International Journal of Production Research*, **2017**, 55, 2950-2960	7.8	17
189	Specification of the PERFoRM architecture for the seamless production system reconfiguration **2016**,		17
188	Holistic Context-Sensitivity for Run-Time Optimization of Flexible Manufacturing Systems. *Sensors*, **2017**, 17,	3.8	16
187	Stereo-based all-terrain obstacle detection using visual saliency. *Journal of Field Robotics*, **2011**, 28, 241-263	2.7	16
186	A generic communication interface for DPWS-based web services **2008**,		16
185	Diagnosis using Service Oriented Architectures (SOA) **2007**,		16
184	Self-learning embedded services for integration of complex, flexible production systems **2011**,		15
183	Self-organization in automation - the IDEAS pre-demonstrator **2011**,		15
182	Evolvable Production Systems: An Integrated View on Recent Developments. *Advances in Intelligent and Soft Computing*, **2010**, 841-854		15

181	A cooperative multi-robot team for the surveillance of shipwreck survivors at sea **2016**,		15
180	An agent based monitoring architecture for plug and produce based manufacturing systems **2015**,		14
179	**2007**,		14
178	An autonomous surface-aerial marsupial robotic team for riverine environmental monitoring: Benefiting from coordinated aerial, underwater, and surface level perception **2014**,		13
177	Water detection with segmentation guided dynamic texture recognition **2012**,		13
176	Evolvable Production Systems: New domains within mechatronic production equipment **2010**,		13
175	Context extraction for self-learning production systems **2012**,		13
174	Diagnosis on Evolvable Production Systems **2007**,		13
173	On the Design of a Robotic System Composed of an Unmanned Surface Vehicle and a Piggybacked VTOL. *IFIP Advances in Information and Communication Technology*, **2014**, 193-200	0.5	13
172	MAS and SOA: A Case Study Exploring Principles and Technologies to Support Self-Properties in Assembly Systems **2008**,		12
171	Industrial Agents for the Fast Deployment of Evolvable Assembly Systems **2015**, 301-322		11
170	Context Awareness for Flexible Manufacturing Systems Using Cyber Physical Approaches. *IFIP Advances in Information and Communication Technology*, **2016**, 107-115	0.5	11
169	An architecture for self-managing evolvable assembly systems **2009**,		11
168	Sustainable Robots for Humanitarian Demining. *International Journal of Advanced Robotic Systems*, **2007**, 4, 23	1.4	11
167	Evolvable Assembly Systems - On the role of design frameworks and supporting ontologies **2006**,		11
166	The Adapter module: A building block for Self-Learning Production Systems. *Robotics and Computer-Integrated Manufacturing*, **2015**, 36, 25-35	9.2	10
165	Collaborative Data Mining for Intelligent Home Appliances. *IFIP Advances in Information and Communication Technology*, **2016**, 313-323	0.5	10
164	A vision-based system for early fire detection **2012**,		10

163	An agent-based interaction-oriented shop floor to support emergent diagnosis **2010**,		10
162	Swarm-based visual saliency for trail detection **2010**,		10
161	EVOLVABLE PRODUCTION SYSTEMS : MECHATRONIC PRODUCTION EQUIPMENT WITH PROCESS-BASED DISTRIBUTED CONTROL. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2009**, 42, 80-85		10
160	Laser-Based Obstacle Detection at Railway Level Crossings. *Journal of Sensors*, **2016**, 2016, 1-11	2	10
159	Cross-country obstacle detection: Space-variant resolution and outliers removal **2008**,		9
158	Towards a taxonomy of CIM activities. *International Journal of Computer Integrated Manufacturing*, **1995**, 8, 160-176	4.3	9
157	Selection of a data exchange format for industry 4.0 manufacturing systems **2016**,		9
156	Artificial immune systems based multi-agent architecture to perform distributed diagnosis. *Journal of Intelligent Manufacturing*, **2019**, 30, 2025-2037	6.7	9
155	A Highly Flexible, Distributed Data Analysis Framework for Industry 4.0 Manufacturing Systems. *Studies in Computational Intelligence*, **2017**, 373-381	0.8	8
154	Approach to Adapt a Legacy Manufacturing System Into the IoT Paradigm. *International Journal of Interactive Mobile Technologies*, **2017**, 11, 91	1.1	8
153	An open-source watertight unmanned aerial vehicle for water quality monitoring **2015**,		8
152	Distributed systems – from natural to engineered: three phases of inspiration by nature. *International Journal of Bio-Inspired Computation*, **2010**, 2, 258	2.9	8
151	Sediment Sampling in Estuarine Mudflats with an Aerial-Ground Robotic Team. *Sensors*, **2016**, 16,	3.8	8
150	Towards a Capability-based Framework for Reconfiguring Industrial Production Systems. *IFAC-PapersOnLine*, **2015**, 48, 2077-2082	0.7	7
149	Implementing self-organisation and self-management in evolvable assembly systems **2010**,		7
148	Evolvable production systems **2009**,		7
147	Evolvable Assembly Systems: Towards User Friendly Manufacturing **2007**,		7
146	GO0DMAN Data Model - Interoperability in Multistage Zero Defect Manufacturing **2018**,		7

145	On Exploiting Haptic Cues for Self-Supervised Learning of Depth-Based Robot Navigation Affordances. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2015**, 80, 455-474	2.9	6
144	Vision-based UAV detection and tracking using motion signatures **2018**,		6
143	**2014**,		6
142	Reliable Self-Learning Production Systems Based on Context Aware Services **2013**,		6
141	Kelpie: A ROS-Based Multi-robot Simulator for Water Surface and Aerial Vehicles **2013**,		6
140	A saliency-based solution for robust off-road obstacle detection **2010**,		6
139	A standard-based software infrastructure to support energy efficiency using renewable energy sources **2011**,		6
138	DPWS as Specific Communication Service Mapping for IEC 61850 **2011**,		6
137	OWL Ontology to Support Evolvable Assembly Systems. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 290-295		6
136	Trends in Agile and Co-Operative Manufacturing. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2001**, 34, 140-149		6
135	Application of a Simulation-Based Digital Twin for Predicting Distributed Manufacturing Control System Performance. *Applied Sciences (Switzerland)*, **2021**, 11, 2202	2.6	6
134	NOVAAS: A Reference Implementation of Industrie4.0 Asset Administration Shell with best-of-breed practices from IT engineering **2019**,		6
133	Agent-based Plug and Produce Cyber-Physical Production System Test Case **2019**,		6
132	A Multiagent Based Control System Applied to an Educational Shop Floor **2006**, 119-128		6
131	Semantic Navigation Mapping from Aerial Multispectral Imagery **2019**,		5
130	Hand Gesture Recognition towards Enhancing Accessibility. *Procedia Computer Science*, **2015**, 67, 419-429	2.6	5
129	The impact of cloud manufacturing on supply chain agility **2014**,		5
128	Where evolvable production systems meet complexity science **2011**,		5

127	Service oriented computing to Self-Learning production system **2011**,		5
126	IT support of mechatronic networks: A brief survey **2011**,		5
125	An architecture for a fault tolerant highly reconfigurable shop floor **2008**,		5
124	A Motion Controller for Compliant Four-Wheel-Steering Robots **2006**,		5
123	Precision X-Y robotic object handling using a dual GMR bridge sensor. *IEEE Transactions on Magnetics*, **2000**, 36, 2782-2784	2	5
122	A DIN Spec 91345 RAMI 4.0 Compliant Data Pipelining Model: An Approach to Support Data Understanding and Data Acquisition in Smart Manufacturing Environments. *IEEE Access*, **2020**, 8, 223114-223129	3.5	5
121	A Framework for Evaluation of Resilience of Disaster Rescue Networks. *IFIP Advances in Information and Communication Technology*, **2015**, 146-158	0.5	5
120	The Ares Robot: Case Study of an Affordable Service Robot **2008**, 33-42		5
119	Applications of Dynamic Deployment of Services in Industrial Automation. *IFIP Advances in Information and Communication Technology*, **2010**, 151-158	0.5	5
118	Deployment of Multiagent Mechatronic Systems. *Lecture Notes in Computer Science*, **2013**, 71-82	0.9	5
117	Challenges and Properties for Bio-inspiration in Manufacturing. *IFIP Advances in Information and Communication Technology*, **2014**, 139-148	0.5	5
116	The Meaningfulness of Consensus and Context in Diagnosing Evolvable Production Systems. *IFIP Advances in Information and Communication Technology*, **2010**, 143-150	0.5	5
115	Smart Manufacturing Scheduling Approaches—Systematic Review and Future Directions. *Applied Sciences (Switzerland)*, **2021**, 11, 2186	2.6	5
114	Summer school on intelligent agents in automation: Hands-on educational experience on deploying industrial agents **2016**,		5
113	Simulation-Based Data Augmentation for the Quality Inspection of Structural Adhesive With Deep Learning. *IEEE Access*, **2021**, 1-1	3.5	5
112	Evolvable Assembly Systems: From Evaluation to Application **2008**, 205-214		5
111	A Markov Process-Based Approach for Reliability Evaluation of the Propulsion System in Multi-rotor Drones. *IFIP Advances in Information and Communication Technology*, **2019**, 91-98	0.5	4
110	Exploring reconfiguration alternatives in self-organising evolvable production systems through simulation **2014**,		4

109	Neural-swarm visual saliency for path following. *Applied Soft Computing Journal*, **2013**, 13, 3021-3032	7.5	4
108	Online self-reconfigurable robot navigation in heterogeneous environments **2013**,		4
107	Self-organizing multiagent mechatronic systems in perspective **2013**,		4
106	Enhancing device exchange agility in Service-oriented industrial automation **2013**,		4
105	Context Awareness for Self-adaptive and Highly Available Production Systems. *IFIP Advances in Information and Communication Technology*, **2013**, 210-217	0.5	4
104	A saliency-based approach to boost trail detection **2010**,		4
103	Emergent diagnosis for Evolvable Production Systems **2010**,		4
102	A structural analysis of emerging production systems **2012**,		4
101	Evolvable Assembly and Exploiting Emergent Behaviour **2006**,		4
100	European assembly: opportunities or threats?		4
99	Computational Creativity to Design Cyber-Physical Systems in Industry 4.0. *IFIP Advances in Information and Communication Technology*, **2019**, 29-40	0.5	4
98	Big Data Analysis to Ease Interconnectivity in Industry 4.0A Smart Factory Perspective. *Studies in Computational Intelligence*, **2017**, 237-245	0.8	4
97	Saliency-Based Obstacle Detection and Ground-Plane Estimation for Off-Road Vehicles. *Lecture Notes in Computer Science*, **2009**, 275-284	0.9	4
96	Evolvable Production Systems: Mechatronic Production Equipment with Evolutionary Control. *IFIP Advances in Information and Communication Technology*, **2010**, 133-142	0.5	4
95	On the design of the ROBO-PARTNER Intra-factory logistics autonomous robot **2016**,		4
94	Environment to Simulate Distributed Agent Based Manufacturing Systems. *Studies in Computational Intelligence*, **2017**, 405-416	0.8	3
93	PRIME as a Generic Agent Based Framework to Support Pluggability and Reconfigurability Using Different Technologies. *IFIP Advances in Information and Communication Technology*, **2015**, 101-110	0.5	3
92	An Aerial-Ground Robotic Team for Systematic Soil and Biota Sampling in Estuarine Mudflats. *Advances in Intelligent Systems and Computing*, **2016**, 15-26	0.4	3

91	A Potential Field Load Scheduling Approach for Self-Sustainable Electrical Microgrids **2019**,		3
90	Self-supervised learning of depth-based navigation affordances from haptic cues **2014**,		3
89	The Migration from Conventional Manufacturing Systems for Multi-Agent Paradigm: the First Step. *IFIP Advances in Information and Communication Technology*, **2015**, 111-118	0.5	3
88	A multiagent based knowledge extraction framework to support plug and produce capabilities in manufacturing monitoring systems **2015**,		3
87	Saliency-based cooperative landing of a multirotor aerial vehicle on an autonomous surface vehicle **2014**,		3
86	Self-Learning Production Systems (SLPS) Energy management application for machine tools **2013**,		3
85	Self-Learning Production Systems (SLPS) - Optimization of manufacturing process parameters for the shoe industry **2013**,		3
84	Visualization tool to support multi-agent mechatronic based systems **2012**,		3
83	Maintenance Management and Operational Support as Services in Reconfigurable Manufacturing Systems. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2009**, 42, 1778-1783		3
82	Component-Based Approach to the Development of Self-X Automation Systems. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2010**, 43, 222-227		3
81	A Platform to Support the Product Servitization. *International Journal of Advanced Computer Science and Applications*, **2016**, 7,	1.7	3
80	Games Social Tech Booster *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2016**, 119-126	0.2	3
79	On Collaborative Aerial and Surface Robots for Environmental Monitoring of Water Bodies. *IFIP Advances in Information and Communication Technology*, **2013**, 183-191	0.5	3
78	Event-Driven Interoperable Manufacturing Ecosystem for Energy Consumption Monitoring. *Energies*, **2021**, 14, 3620	3.1	3
77	Gaze-directed telemetry in high latency wireless communications: The case of robot teleoperation **2016**,		3
76	Integration of Cutting-Edge Interoperability Approaches in Cyber-Physical Production Systems and Industry 4.0. *Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series*, **2021**, 144-172	0.4	3
75	Improvement of Multistage Quality Control through the Integration of Decision Modeling and Cyber-Physical Production Systems **2018**,		3
74	Human-Aware Navigation for Autonomous Mobile Robots for Intra-factory Logistics. *Lecture Notes in Computer Science*, **2018**, 79-85	0.9	2

73	Prediction Models for Short-Term Load and Production Forecasting in Smart Electrical Grids. *Lecture Notes in Computer Science*, **2017**, 186-199	0.9	2
72	**2017**,		2
71	Water detection from downwash-induced optical flow for a multirotor UAV **2015**,		2
70	A critical survey on marsupial robotic teams for environmental monitoring of water bodies **2015**,		2
69	Service-oriented infrastructure at device level to implement agile factories **2012**,		2
68	ARES-III: A versatile multi-purpose all-terrain robot **2012**,		2
67	IMS 10Validation of a co-evolving diagnostic algorithm for evolvable production systems. *Engineering Applications of Artificial Intelligence*, **2012**, 25, 1142-1160	7.2	2
66	Energy Efficiency in Machine Tools - A Self-Learning Approach **2013**,		2
65	Multiagent Mechatronic Systems with Simulation on the Loop **2013**,		2
64	Self-Learning approach to support lifecycle optimization of Manufacturing processes **2013**,		2
63	A study of JADE's messaging RTT performance using distinct message exchange patterns **2013**,		2
62	Service-oriented Architecture at device level to support Evolvable Production Systems **2010**,		2
61	Emerging Collaborative Forms **2004**, 41-64		2
60	Implementing a contract-based multi-agent approach for shop floor agility		2
59	Contract Management in Agile Manufacturing Systems. *IFIP Advances in Information and Communication Technology*, **2002**, 109-122	0.5	2
58	A Cloud-Based Infrastructure to Support Manufacturing Resources Composition. *IFIP Advances in Information and Communication Technology*, **2015**, 82-89	0.5	2
57	Formal Specification of a Self-sustainable Holonic System for Smart Electrical Micro-grids. *Studies in Computational Intelligence*, **2017**, 179-190	0.8	2
56	Predicting Affordances from Gist. *Lecture Notes in Computer Science*, **2010**, 325-334	0.9	2

55	Adapter for Self-Learning Production Systems. *International Federation for Information Processing*, **2012**, 171-178		2
54	Generative Adversarial Networks for Data Augmentation in Structural Adhesive Inspection. *Applied Sciences (Switzerland)*, **2021**, 11, 3086	2.6	2
53	Cloud Based Decision Making for Multi-agent Production Systems. *Lecture Notes in Computer Science*, **2021**, 673-686	0.9	2
52	Dynamic Simulation for MAS-Based Data Acquisition and Pre-processing in Manufacturing Using V-REP. *IFIP Advances in Information and Communication Technology*, **2017**, 125-134	0.5	1
51	Autonomous 3-D Aerial Navigation System for Precision Agriculture **2019**,		1
50	Production Scheduling Requirements to Smart Manufacturing. *IFIP Advances in Information and Communication Technology*, **2019**, 227-237	0.5	1
49	An Approach for Implementing ISA 95-Compliant Big Data Observation, Analysis and Diagnosis Features in Industry 4.0 Vision Following Manufacturing Systems. *IFIP Advances in Information and Communication Technology*, **2016**, 116-123	0.5	1
48	Loosed coupled simulation of smart grid control systems **2017**,		1
47	Orchestrating loosely coupled and distributed components for product/process servitization **2017**,		1
46	A Health and Usage Monitoring System for ROS-based service robots **2015**,		1
45	A volumetric representation for obstacle detection in vegetated terrain **2014**,		1
44	Performance Assessment in Self-organising Mechatronic Systems: A First Step towards Understanding the Topology Influence in Complex Behaviours. *IFIP Advances in Information and Communication Technology*, **2014**, 75-84	0.5	1
43	Control System Software Design Methodology for Automotive Industry **2013**,		1
42	Bio-inspired self-organised mechatronic-agent interactions to support product emergence **2013**,		1
41	Prospection of Methods to Support Design and Configuration of Self-Organizing Mechatronic Systems **2013**,		1
40	Bio-inspired Self-Organising Methodologies for Production Emergence **2013**,		1
39	Global Vs Local: A Comparison of Two Approaches to Perform Diagnosis in Networks of Mechatronic Agents **2010**,		1
38	Context and implications of learning in Evolvable Production Systems **2011**,		1

37	A product handling technical architecture for multiagent-based mechatronic systems **2012**,		1
36	Towards a service based infrastructure to improve efficiency into energy systems: the NEMO&CODED quest. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2010**, 43, 162-167		1
35	Shared control of a pan-tilt camera on an all-terrain mobile robot **2008**,		1
34	A Methodology for Shop Floor Reengineering Based on Multiagents **2004**, 117-128		1
33	Feeling Smart Industry **2021**,		1
32	Self-Learning Production Systems: Adapter Reference Architecture. *Lecture Notes in Mechanical Engineering*, **2013**, 681-693	0.4	1
31	An Evolvable and Adaptable Agent Based Smart Grid Management A Simulation Environment. *Studies in Computational Intelligence*, **2017**, 417-426	0.8	1
30	Diagnosis in Networks of Mechatronic Agents: Validation of a Fault Propagation Model and Performance Assessment. *International Federation for Information Processing*, **2011**, 205-214		1
29	The Distributed Generation as an Important Contribution to Energy Development in Angola and Other Developing African Countries. *IFIP Advances in Information and Communication Technology*, **2014**, 269-276	0.5	1
28	Context Classifier for Service Robots. *IFIP Advances in Information and Communication Technology*, **2015**, 196-203	0.5	1
27	A Multi Agent Architecture to Support Self-organizing Material Handling. *IFIP Advances in Information and Communication Technology*, **2014**, 93-100	0.5	1
26	Layout validation and re-configuration in Plug&Produce systems. *Assembly Automation*, **2016**, 36, 412-428	0.1	1
25	Predictive Manufacturing: Enabling Technologies, Frameworks and Applications. *IFIP Advances in Information and Communication Technology*, **2021**, 51-61	0.5	1
24	Continuous Reinforcement Operator applied to Resilience in Disaster Rescue Networks **2018**,		1
23	Towards a Framework for Interoperable and Interconnected CPS-populated Systems for Proactive Maintenance **2018**,		1
22	Digital twin-based optimiser for self-organised collaborative cyber-physical production systems. *Manufacturing Letters*, **2021**, 29, 79-83	4.5	1
21	Multiagents Applied to Humanitarian Demining. *Lecture Notes in Computer Science*, **2005**, 649-652	0.9	1
20	Production and Maintenance Scheduling Supported by Genetic Algorithms. *IFIP Advances in Information and Communication Technology*, **2019**, 49-59	0.5	0

19	A Symbiotic Lenticular Airship for WiSAR Missions. *Lecture Notes in Computer Science*, **2012**, 475-483	0.9	0
18	Characteristics of Adaptable Control of Production Systems and the Role of Self-organization Towards Smart Manufacturing. *IFIP Advances in Information and Communication Technology*, **2021**, 39-50	0.5	0
17	Data Mining of Energy Consumption in Manufacturing Environment. *Studies in Computational Intelligence*, **2017**, 157-166	0.8	
16	Semantic SOA approach to support agile reengineering at device level. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2010**, 43, 156-161		
15	A co-Evolving Diagnostic Algorithm for Evolvable Production Systems: A Case of Learning. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2010**, 43, 126-131		
14	A MULTIAGENT BASED CONTROL SYSTEM FOR AN ASSEMBLY CELL. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2007**, 40, 116-121		
13	Contract-Based Approach For Shop-Floor Re-Engineering. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2001**, 34, 132-139		
12	Shop Floor Reengineering to Support Agility in Virtual Enterprise Environments. *IFIP Advances in Information and Communication Technology*, **2001**, 381-394	0.5	
11	Sign Language Support Adding a Gesture Library to the Leap Motion SDK. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2017**, 109-116	0.2	
10	Improving the Learning of Child Movements Through Games. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2017**, 15-22	0.2	
9	Using Games for the Phonetics Awareness of Children with Down Syndrome. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2017**, 1-8	0.2	
8	Semantic Model to Perform Pluggability of Heterogeneous Smart Devices into Smart City Environment. *Studies in Computational Intelligence*, **2017**, 327-335	0.8	
7	A Generic Reconfigurable and Pluggable Material Handling System Based on Genetic Algorithm. *Studies in Computational Intelligence*, **2017**, 103-113	0.8	
6	High Maneuverability Lenticular Airship. *International Federation for Information Processing*, **2012**, 207-216		
5	The ProFlex Methodology: Agile Manufacturing in Practice. *IFIP Advances in Information and Communication Technology*, **2014**, 149-156	0.5	
4	Functionalities of multi-agent systems in Programmable Logic Controllers. *IFAC-PapersOnLine*, **2016**, 49, 60-64	0.7	
3	Resilience Supported System for Innovative Water Monitoring Technology. *IFIP Advances in Information and Communication Technology*, **2018**, 73-80	0.5	
2	Open Innovation Association with Feeling Economy. *IFIP Advances in Information and Communication Technology*, **2022**, 26-34	0.5	

1 Asynchronous Communication Between Modular Cyber-Physical Production Systems and Arduino Based Industrial Controllers. *IFIP Advances in Information and Communication Technology*, **2022**, 53-61 0.5