Giulia Bruno

List of Publications by Year
in descending order

68 papers	681 citations	623734 14 h-index	642732 23 g-index
71 all docs	71 docs citations	71 times ranked	647 citing authors

#	Article	IF	Citations
1	Dynamic task classification and assignment for the management of human-robot collaborative teams in workcells. International Journal of Advanced Manufacturing Technology, 2018, 98, 2415-2427.	3.0	78
2	Real-Time Analysis of Physiological Data to Support Medical Applications. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 313-321.	3.2	65
3	IoT Open-Source Architecture for the Maintenance of Building Facilities. Applied Sciences (Switzerland), 2021, 11, 5374.	2.5	42
4	A conceptual framework for the eco-efficiency assessment of small- and medium-sized enterprises. Journal of Cleaner Production, 2019, 237, 117660.	9.3	34
5	A Reference Ontology to Support Product Lifecycle Management. Procedia CIRP, 2015, 33, 41-46.	1.9	33
6	Analysis of diabetic patients through their examination history. Expert Systems With Applications, 2013, 40, 4672-4678.	7.6	31
7	Dynamic distribution of assembly tasks in a collaborative workcell of humans and robots. FME Transactions, 2019, 47, 723-730.	1.4	27
8	Promoting SME cooperative aggregations: main criteria and contractual models. International Journal of Production Research, 2013, 51, 7439-7447.	7.5	21
9	Applicability of Human-Robot Collaboration to Small Batch Production. IFIP Advances in Information and Communication Technology, 2016, , 24-32.	0.7	21
10	Exploitation of a Semantic Platform to Store and Reuse PLM Knowledge. Lecture Notes in Computer Science, 2014, , 59-66.	1.3	18
11	An approach to support SMEs in manufacturing knowledge organization. Journal of Intelligent Manufacturing, 2018, 29, 1379-1392.	7.3	18
12	Task-based Programming and Sequence Planning for Human-Robot Collaborative Assembly. IFAC-PapersOnLine, 2019, 52, 1638-1643.	0.9	17
13	Data Cleaning and Semantic Improvement in Biological Databases. Journal of Integrative Bioinformatics, 2006, 3, 219-229.	1.5	16
14	Efficient management of product lifecycle information through a semantic platform. International Journal of Product Lifecycle Management, 2016, 9, 45.	0.3	15
15	Analysis of Medical Pathways by Means of Frequent Closed Sequences. Lecture Notes in Computer Science, 2010, , 418-425.	1.3	15
16	Analysis of diagnostic pathways for colon cancer. Flexible Services and Manufacturing Journal, 2012, 24, 379-399.	3.4	13
17	Graph-based models to classify effective collaboration in SME networks. International Journal of Production Research, 2015, 53, 6198-6209.	7.5	13
18	A Clustering-Based Approach to Analyse Examinations for Diabetic Patients. , 2014, , .		12

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19	TOD: Temporal outlier detection by using quasi-functional temporal dependencies. Data and Knowledge Engineering, 2010, 69, 619-639.	3.4	11
20	Measuring gene similarity by means of the classification distance. Knowledge and Information Systems, 2011, 29, 81-101.	3.2	10
21	MaskedPainter: Feature selection for microarray data analysis. Intelligent Data Analysis, 2012, 16, 717-737.	0.9	10
22	Anomaly detection in medical treatment to discover unusual patient management. IIE Transactions on Healthcare Systems Engineering, 2013, 3, 69-77.	0.8	10
23	MeTA. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-25.	4.5	10
24	An Ontology-Based Model for SME Network Contracts. Lecture Notes in Computer Science, 2012, , 85-92.	1.3	9
25	Integration of PLM, MES and ERP Systems to Optimize the Engineering, Production and Business. IFIP Advances in Information and Communication Technology, 2020, , 70-82.	0.7	7
26	Application of Process Mining and Semantic Structuring Towards a Lean Healthcare Network. IFIP Advances in Information and Communication Technology, 2015, , 497-508.	0.7	6
27	Temporal Pattern Mining for Medical Applications. Intelligent Systems Reference Library, 2012, , 9-18.	1.2	6
28	Temporal association rules for gene regulatory networks. , 2008, , .		5
29	Information Extraction from Microarray Data. Journal of Database Management, 2014, 25, 29-58.	1.5	5
30	Measuring product semantic similarity by exploiting a manufacturing process ontology. , 2015, , .		5
31	A Knowledge-Based System for Collecting and Integrating Production Information. IFIP Advances in Information and Communication Technology, 2019, , 163-170.	0.7	5
32	Ontology-Based Framework to Design a Collaborative Human-Robotic Workcell. IFIP Advances in Information and Communication Technology, 2017, , 167-174.	0.7	5
33	Machine Learning Framework for the Sustainable Maintenance of Building Facilities. Sustainability, 2022, 14, 681.	3.2	5
34	IGUANA: Individuation of Global Unsafe ANomalies and Alarm activation. , 2006, , .		4
35	The Painter's Feature Selection for Gene Expression Data. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4227-30.	0.5	4
36	Anomaly Detection in XML databases by means of Association Rules. , 2007, , .		4

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37	Minimum number of genes for microarray feature selection. , 2008, 2008, 5692-5.		4
38	The exploitation of an ontology-based model of PLM from a SME point of view. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1447-1452.	0.4	4
39	Pattern set mining with schema-based constraint. Knowledge-Based Systems, 2015, 84, 224-238.	7.1	4
40	Ontology-Based Platform for Sharing Knowledge on Industry 4.0. IFIP Advances in Information and Communication Technology, 2018, , 377-385.	0.7	4
41	SAPhyRA: Stream Analysis for Physiological Risk Assessment. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	3
42	MicroClAn: Microarray clustering analysis. Journal of Parallel and Distributed Computing, 2013, 73, 360-370.	4.1	3
43	The efficient management of Park resources: Natural and cultural data in the Alpi Marittime Park area. Information Systems, 2014, 42, 78-88.	3.6	3
44	A Support System to Manage Product and Process Changes in Manufacturing. IFAC-PapersOnLine, 2016, 49, 1080-1085.	0.9	3
45	A Collaborative Architecture for Supply Chain Transparency Based on EPCIS Standard and MongoDB. IFIP Advances in Information and Communication Technology, 2016, , 599-607.	0.7	3
46	Work Sequence Analysis and Computer Simulations of Value Flow and Workers' Relocations: A Case Study. Procedia CIRP, 2017, 62, 159-164.	1.9	3
47	Conditions for Effective Collaboration in SME Networks Based on Graph Model. IFIP Advances in Information and Communication Technology, 2013, , 129-136.	0.7	3
48	Simulation-Based Analysis of Patient Flow in Elective Surgery. Springer Proceedings in Mathematics and Statistics, 2014, , 87-97.	0.2	3
49	Integration Between PLM and MES for One-of-a-Kind Production. IFIP Advances in Information and Communication Technology, 2019, , 356-365.	0.7	3
50	Data-Driven Framework for Electrode Wear Prediction in Resistance Spot Welding. IFIP Advances in Information and Communication Technology, 2022, , 239-252.	0.7	3
51	Design and Simulation of a Battery Swapping System for Electric Vehicles. , 2020, , .		2
52	Extraction of Medical Pathways from Electronic Patient Records. Advances in Medical Technologies and Clinical Practice Book Series, 2012, , 273-289.	0.3	2
53	Extraction of Medical Pathways from Electronic Patient Records. , 2013, , 1004-1018.		2
54	Information Extraction from Microarray Data. , 2016, , 1180-1211.		2

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55	MAKO: MAnufacturing Knowledge Organization system to support SME. IFAC-PapersOnLine, 2015, 48, 1559-1564.	0.9	1
56	Evaluating the effect of learning rate, batch size and assignment strategies on the production performance. Journal of Industrial and Production Engineering, 2021, 38, 137-147.	3.1	1
57	Real- Time and Mobile Physiological Data Analysis. Chapman & Hall/CRC Data Mining and Knowledge Discovery Series, 2009, , .	0.2	1
58	Mining Rare Association Rules by Discovering Quasi-Functional Dependencies. , 2010, , 131-149.		1
59	Microarray Data Mining. Advances in Data Mining and Database Management Book Series, 0, , 23-47.	0.5	1
60	Building a Factory Knowledge Base. Advances in Computational Intelligence and Robotics Book Series, 2021, , 50-75.	0.4	0
61	Real-Time Individuation of Global Unsafe Anomalies and Alarm Activation. Studies in Computational Intelligence, 2008, , 219-236.	0.9	0
62	Extraction of Constraints from Biological Data. Studies in Computational Intelligence, 2009, , 169-186.	0.9	0
63	Semi-Automatic Knowledge Extraction to Enrich Open Linked Data. , 2013, , 156-180.		0
64	Chapter eight Product configuration for order acquisition and fulfillment. , 2016, , 165-192.		0
65	A Virtual Supply Chain Architecture to Grant Product Transparency in Agribusiness. Advances in Business Strategy and Competitive Advantage Book Series, 2017, , 20-38.	0.3	0
66	Product Knowledge Management in Small Manufacturing Enterprises. Advances in Logistics, Operations, and Management Science Book Series, 2017, , 157-179.	0.4	0
67	Identification of Potential Clients, Providers, and Competitors in Supply Chain Networks. Advances in Logistics, Operations, and Management Science Book Series, 2017, , 89-106.	0.4	0
68	Identification of Potential Clients, Providers, and Competitors in Supply Chain Networks. , 2020, , 1228-1245.		0