Giuseppe Di Fatta

List of Publications by Year
in descending order

72 papers	1,408 citations	840119 11 h-index	414034 32 g-index
77 all docs	77 docs citations	77 times ranked	1743 citing authors

#	Article	IF	Citations
1	Classification-Biased Apparent Brain Age for the Prediction of Alzheimer's Disease. Frontiers in Neuroscience, 2021, 15, 673120.	1.4	8
2	Data Mining at the IoT Edge. , 2019, , .		27
3	IoT Services Deployment over Edge vs Cloud Systems: a Simulation-based Analysis. , 2019, , .		9
4	A Rule Induction Approach to Forecasting Critical Alarms in a Telecommunication Network. , 2019, , .		1
5	Understanding Customer Satisfaction With Services by Leveraging Big Data: The Role of Services Attributes and Consumersâ€™ Cultural Background. IEEE Access, 2019, 7, 8195-8208.	2.6	37
6	Simplex basis function based sparse least squares support vector regression. Neurocomputing, 2019, 330, 394-402.	3.5	11
7	The Distributed p-Median Problem in Computer Networks. Lecture Notes in Computer Science, 2019, , 541-556.	1.0	0
8	Epidemic failure detection and consensus for extreme parallelism. International Journal of High Performance Computing Applications, 2018, 32, 729-743.	2.4	7
9	Explainable Sentiment Analysis with Applications in Medicine. , 2018, , .		27
10	On the use of mining techniques to analyse human papilloma virus dataset. , 2018, , .		1
11	Sparse least squares support vector regression for nonstationary systems. , 2018, , .		0
12	Fast Retrieval of Weather Analogues in a Multi-petabytes Archive Using Wavelet-Based Fingerprints. Lecture Notes in Computer Science, 2018, , 697-710.	1.0	4
13	Robust Epidemic Aggregation Under Churn. Lecture Notes in Computer Science, 2018, , 173-185.	1.0	1
14	Robust and efficient membership management in large-scale dynamic networks. Future Generation Computer Systems, 2017, 75, 85-93.	4.9	5
15	On expressiveness and uncertainty awareness in rule-based classification for data streams. Neurocomputing, 2017, 265, 127-141.	3.5	19
16	Efficient Parallel K-Means on MapReduce Using Triangle Inequality. , 2017, , .		2
17	Agreement in Epidemic Data Aggregation. , 2017, , .		1
18	RAPIDSNPs: A new computational pipeline for rapidly identifying key genetic variants reveals previously unidentified SNPs that are significantly associated with individual platelet responses. PLoS ONE, 2017, 12, e0175957.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Agreement in Epidemic Information Dissemination. Lecture Notes in Computer Science, 2016, , 95-106.	1.0	4
20	Data Stream Mining of Event and Complex Event Streams. Advances in Business Information Systems and Analytics Book Series, 2016, , 24-47.	0.3	2
21	Big Social Data and Political Sentiment: The Tweet Stream during the UK General Election 2015 Campaign. , 2015, , .		9
22	Scalable and Fault Tolerant Failure Detection and Consensus. , 2015, , .		17
23	An LDA and probability-based classifier for the diagnosis of Alzheimer's Disease from structural MRI. , 2015, , .		3
24	A Genetic Algorithm for the selection of structural MRI features for classification of Mild Cognitive Impairment and Alzheimer's Disease. , 2015, , .		5
25	Standardized evaluation of algorithms for computer-aided diagnosis of dementia based on structural MRI: The CADDementia challenge. NeuroImage, 2015, 111, 562-579.	2.1	266
26	Optimisation Techniques for Parallel K-Means on MapReduce. Lecture Notes in Computer Science, 2015, , 193-200.	1.0	2
27	Epidemic Fault Tolerance for Extreme-Scale Parallel Computing. Lecture Notes in Computer Science, 2015, , 201-208.	1.0	0
28	Expander Graph Quality Optimisation in Randomised Communication. , 2014, , .		2
29	Preface to DaMNet 2014. , 2014, , .		0
30	Data Mining for Monitoring and Managing Systems and Networks. Journal of Network and Systems Management, 2014, 22, 147-149.	3.3	1
31	BodyCloud: A SaaS approach for community Body Sensor Networks. Future Generation Computer Systems, 2014, 35, 62-79.	4.9	234
32	The BioDICE Taverna plugin for clustering and visualization of biological data: a workflow for molecular compounds exploration. Journal of Cheminformatics, 2014, 6, .	2.8	3
33	Cloud-assisted body area networks: state-of-the-art and future challenges. Wireless Networks, 2014, 20, 1925-1938.	2.0	147
34	K-Surfer: A KNIME Extension for the Management and Analysis of Human Brain MRI FreeSurfer/FSL Data. Lecture Notes in Computer Science, 2014, , 481-492.	1.0	14
35	Convergence Detection in Epidemic Aggregation. Lecture Notes in Computer Science, 2014, , 292-300.	1.0	10
36	Towards a Parallel Computationally Efficient Approach to Scaling Up Data Stream Classification. , 2014, , 51-65.		3

#	Article	IF	Citations
37	Simulated annealing technique for fast learning of SOM networks. Neural Computing and Applications, 2013, 22, 889-899.	3.2	10
38	Engineering Large-Scale Body Area Networks Applications. , 2013, , .		17
39	Skilloscopy: Bayesian Modeling of Decision Makers' Skill. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 1290-1301.	5.9	2
40	Fault tolerant decentralised -Means clustering for asynchronous large-scale networks. Journal of Parallel and Distributed Computing, 2013, 73, 317-329.	2.7	57
41	Non-uniform data distribution for communication-efficient parallel clustering. Journal of Computational Science, 2013, 4, 489-495.	1.5	2
42	Preface to the Third International Workshop on Data Mining in Networks. , 2013, , .		0
43	Non-Euclidean Internet Coordinates Embedding. , 2013, , .		3
44	Dynamic group communication for large-scale parallel data mining. Concurrent Engineering Research and Applications, 2013, 21, 227-234.	2.0	0
45	Efficient Group Communication for Large-Scale Parallel Clustering. Studies in Computational Intelligence, 2013, , 155-164.	0.7	1
46	Preface to the Second International Workshop on Data Mining in Networks -- DaMNet 2012. , 2012, , .		0
47	BodyCloud: Integration of Cloud Computing and body sensor networks. , 2012, , .		94
48	Epidemic K-Means Clustering. , 2011, , .		15
49	Preface to the International Workshop on Data Mining in Networks. , 2011, , .		0
50	Dynamic Load Balancing in Parallel KD-Tree k-Means. , 2010, , .		16
51	Space Partitioning for Scalable K-Means. , 2010, , .		15
52	High Performance Networks. Lecture Notes in Computer Science, 2010, , 412-412.	1.0	4
53	Performance and Prediction: Bayesian Modelling of Fallible Choice in Chess. Lecture Notes in Computer Science, 2010, , 99-110.	1.0	13
54	Skill rating by Bayesian inference. , 2009, , .		22

#	Article	IF	Citations
55	Scalability of efficient parallel K-Means. , 2009, , .		12
56	A New Linear Initialization in SOM for Biomolecular Data. Lecture Notes in Computer Science, 2009, , 177-187.	1.0	0
57	Clustering Quality and Topology Preservation in Fast Learning SOMs. Lecture Notes in Computer Science, 2008, , 583-592.	1.0	1
58	A customizable multi-agent system for distributed data mining. , 2007, , .		11
59	Fast Training of Self Organizing Maps for the Visual Exploration of Molecular Compounds. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	0
60	Decentralized load balancing for highly irregular search problems. Microprocessors and Microsystems, 2007, 31, 273-281.	1.8	7
61	Improved SOM Learning Using Simulated Annealing. Lecture Notes in Computer Science, 2007, , 279-288.	1.0	8
62	Soft Topographic Map for Clustering and Classification of Bacteria. Lecture Notes in Computer Science, 2007, , 332-343.	1.0	3
63	Context-Aware Visual Exploration of Molecular Datab. , 2006, , .		7
64	Dynamic Load Balancing for the Distributed Mining of Molecular Structures. IEEE Transactions on Parallel and Distributed Systems, 2006, 17, 773-785.	4.0	26
65	Discriminative pattern mining in software fault detection. , 2006, , .		41
66	Decentralized Load Balancing for Highly Irregular Search Problems. , 2006, , .		0
67	High Performance Subgraph Mining in Molecular Compounds. Lecture Notes in Computer Science, 2005, , 866-877.	1.0	7
68	A genetic algorithm for the design of a fuzzy controller for active queue management. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2003, 33, 313-324.	3.3	32
69	Parallel Genetic Algorithms for the Tuning of a Fuzzy AQM Controller. Lecture Notes in Computer Science, 2003, , 417-426.	1.0	1
70	A Fuzzy Approach for the Network Congestion Problem. Lecture Notes in Computer Science, 2002, , 286-295.	1.0	9
71	Interference and Communications among Active Network Applications. Lecture Notes in Computer Science, 1999, , 97-108.	1.0	2
72	A management architecture for active networks. , 0, , .		5