Paolo Trunfio

List of Publications by Year
in descending order

111	1,920	331538	315616
papers	citations	21	38
		h-index	g-index

123	123	123	1131
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Peer-to-Peer resource discovery in Grids: Models and systems. Future Generation Computer Systems, 2007, 23, 864-878.	4.9	172
2	Toward a synergy between p2p and grids. IEEE Internet Computing, 2003, 7, 96-95.	3.2	146
3	Distributed Data Mining on Grids: Services, Tools, and Applications. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 2451-2465.	5.5	98
4	Big Data Systems Meet Machine Learning Challenges: Towards Big Data Science as a Service. Big Data Research, 2018, 14, 1-11.	2.6	96
5	P2P-MapReduce: Parallel data processing in dynamic Cloud environments. Journal of Computer and System Sciences, 2012, 78, 1382-1402.	0.9	81
6	A Workflow Management System for Scalable Data Mining on Clouds. IEEE Transactions on Services Computing, 2018, 11, 480-492.	3.2	78
7	Distributed data mining on the grid. Future Generation Computer Systems, 2002, 18, 1101-1112.	4.9	73
8	Using Scalable Data Mining for Predicting Flight Delays. ACM Transactions on Intelligent Systems and Technology, 2017, 8, 1-20.	2.9	65
9	How distributed data mining tasks can thrive as knowledge services. Communications of the ACM, 2010, 53, 132-137.	3.3	61
10	Weka4WS: A WSRF-Enabled Weka Toolkit for Distributed Data Mining on Grids. Lecture Notes in Computer Science, 2005, , 309-320.	1.0	55
11	Distributed data mining services leveraging WSRF. Future Generation Computer Systems, 2007, 23, 34-41.	4.9	51
12	Learning Political Polarization on Social Media Using Neural Networks. IEEE Access, 2020, 8, 47177-47187.	2.6	47
13	Cloud4SNP. , 2013, , .		35
14	A DHT-based semantic overlay network for service discovery. Future Generation Computer Systems, 2012, 28, 689-707.	4.9	34
15	Service-oriented middleware for distributed data mining on the grid. Journal of Parallel and Distributed Computing, 2008, 68, 3-15.	2.7	33
16	JS4Cloud: scriptâ€based workflow programming for scalable data analysis on cloud platforms. Concurrency Computation Practice and Experience, 2015, 27, 5214-5237.	1.4	32
17	KNOWLEDGE GRID: High Performance Knowledge Discovery Services on the Grid. Lecture Notes in Computer Science, 2001, , 38-50.	1.0	32
18	Grid services: principles, implementations and use. International Journal of Web and Grid Services, 2005, 1, 48.	0.4	28

#	ARTICLE	IF	CITATIONS
19	The Weka4WS framework for distributed data mining in service-oriented Grids. Concurrency Computation Practice and Experience, 2008, 20, 1933-1951.	1.4	28
20	SIGMCC: A system for sharing meta patient records in a Peer-to-Peer environment. Future Generation Computer Systems, 2008, 24, 222-234.	4.9	28
21	ERGOT: A Semantic-Based System for Service Discovery in Distributed Infrastructures. , 2010, , .		25
22	Programming big data analysis: principles and solutions. Journal of Big Data, 2022, 9, .	6.9	24
23	A Cloud Framework for Parameter Sweeping Data Mining Applications. , 2011, , .		22
24	SMA4TD: A social media analysis methodology for trajectory discovery in large-scale events. Online Social Networks and Media, 2017, 3-4, 49-62.	2.3	22
25	G-Rol. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-22.	2.5	22
26	An Energy-Aware Clustering Scheme for Mobile Applications. , 2011, , .		19
27	Big Data Analysis on Clouds. , 2017, , 101-142.		19
28	Analyzing social media data to discover mobility patterns at EXPO 2015: Methodology and results. , 2016, , .		18
29	Using social media for sub-event detection during disasters. Journal of Big Data, 2021, 8, .	6.9	18
30	Metadata for Managing Grid Resources in Data Mining Applications. Journal of Grid Computing, 2004, 2, 85-102.	2.5	17
31	Peer-to-peer protocols and grid services for resource discovery on grids. Advances in Parallel Computing, 2005, , 83-103.	0.3	17
32	Following soccer fans from geotagged tweets at FIFA World Cup 2014. , 2015, , .		17
33	A Peer-to-Peer Framework for Supporting MapReduce Applications in Dynamic Cloud Environments. Computer Communications and Networks, 2010, , 113-125.	0.8	15
34	Peer-to-Peer Models for Resource Discovery in Large-Scale Grids: A Scalable Architecture. , 2006, , 66-78.		15
35	Managing heterogeneous resources in data mining applications on grids using XML-based metadata. , 0, , .		14
36	A data-aware scheduling strategy for workflow execution in clouds. Concurrency Computation Practice and Experience, 2017, 29, e4229.	1.4	14

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37	ParSoDA: high-level parallel programming for social data mining. Social Network Analysis and Mining, 2019, 9, 1.	1.9	14
38	Grid-Based Data Mining and Knowledge Discovery. , 2004, , 19-45.		14
39	Using Clouds for Scalable Knowledge Discovery Applications. Lecture Notes in Computer Science, 2013, , 220-227.	1.0	13
40	A Discovery Service for Smart Objects over an Agent-Based Middleware. Lecture Notes in Computer Science, 2013, , 281-293.	1.0	12
41	A two‐layer model for improving the energy efficiency of file sharing peer‐to‐peer networks. Concurrency Computation Practice and Experience, 2015, 27, 3166-3183.	1.4	12
42	Programming knowledge discovery workflows in service‐oriented distributed systems. Concurrency Computation Practice and Experience, 2013, 25, 1482-1504.	1.4	11
43	Exploiting in-memory storage for improving workflow executions in cloud platforms. Journal of Supercomputing, 2016, 72, 4069-4088.	2.4	10
44	Learning Sentence-to-Hashtags Semantic Mapping for Hashtag Recommendation on Microblogs. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-26.	2.5	10
45	Analyzing Political Polarization on Social Media by Deleting Bot Spamming. Big Data and Cognitive Computing, 2022, 6, 3.	2.9	10
46	Energy Efficient Task Allocation over Mobile Networks. , 2011, , .		9
47	Scalable script-based data analysis workflows on clouds. , 2013, , .		9
48	Introduction to Data Mining. , 2016, , 1-25.		9
49	A Parallel Library for Social Media Analytics. , 2017, , .		8
50	Analyzing voter behavior on social media during the 2020 US presidential election campaign. Social Network Analysis and Mining, 2022, 12, .	1.9	8
51	Service Oriented KDD: A Framework for Grid Data Mining Workflows. , 2008, , .		7
52	A Framework for Managing MapReduce Applications in Dynamic Distributed Environments. , 2011, , .		7
53	Exploiting sleep-and-wake strategies in the Gnutella network. , 2014, , .		7
54	ADAPTING A PURE DECENTRALIZED PEER-TO-PEER PROTOCOL FOR GRID SERVICES INVOCATION. Parallel Processing Letters, 2005, 15, 67-84.	0.4	6

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55	Enabling Dynamic Querying over Distributed Hash Tables. Journal of Parallel and Distributed Computing, 2010, 70, 1254-1265.	2.7	6
56	Discovering Political Polarization on Social Media: A Case Study. , 2019, , .		6
57	Parallel extraction of Regionsâ€of€Interest from social media data. Concurrency Computation Practice and Experience, 2021, 33, e5638.	1.4	6
58	A Distributed Allocation Strategy for Data Mining Tasks in Mobile Environments. Studies in Computational Intelligence, 2013, , 231-240.	0.7	6
59	Enabling Knowledge Discovery Services on Grids. Lecture Notes in Computer Science, 2004, , 250-259.	1.0	5
60	Selectivity-based XML query processing in structured peer-to-peer networks. , 2010, , .		5
61	Discovering Mobility Patterns of Instagram Users through Process Mining Techniques. , 2017, , .		5
62	Appraising SPARK on Large-Scale Social MediaÂAnalysis. Lecture Notes in Computer Science, 2018, , 483-495.	1.0	5
63	A Weighted Artificial Bee Colony algorithm for influence maximization. Online Social Networks and Media, 2021, 26, 100167.	2.3	5
64	Dynamic Querying in Structured Peer-to-Peer Networks. Lecture Notes in Computer Science, 2008, , 28-41.	1.0	5
65	Energyâ€aware task allocation for small devices in wireless networks. Concurrency Computation Practice and Experience, 2017, 29, e3831.	1.4	4
66	A Novel Data-Centric Programming Model for Large-Scale Parallel Systems. Lecture Notes in Computer Science, 2020, , 452-463.	1.0	4
67	Combining DHTs and SONs for Semantic-Based Service Discovery. , 2009, , .		3
68	Efficient allocation of data mining tasks in mobile environments. Concurrent Engineering Research and Applications, 2013, 21, 197-207.	2.0	3
69	A sleepâ€andâ€wake technique for reducing energy consumption in BitTorrent networks. Concurrency Computation Practice and Experience, 2020, 32, e5723.	1.4	3
70	A Data-Aware Scheduling Strategy for Executing Large-Scale Distributed Workflows. IEEE Access, 2021, 9, 47354-47364.	2.6	3
71	Using Grids for Distributed Knowledge Discovery. , 0, , 284-298.		3
72	Parallel and Grid-Based Data Mining. , 2005, , 1017-1041.		2

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73	Parallel and Grid-Based Data Mining – Algorithms, Models and Systems for High-Performance KDD. , 2009, , 1009-1028.		2
74	Data Analysis Services in the Knowledge Grid. , 2009, , 17-36.		2
75	Efficient discovery of data mining services over DHT-based overlays. , 2014, , .		2
76	Models and Techniques for Cloud-Based Data Analysis. , 2016, , 45-76.		2
77	Research Trends in Big Data Analysis. , 2016, , 123-138.		2
78	Exploiting Machine Learning For Improving In-Memory Execution of Data-Intensive Workflows on Parallel Machines. Future Internet, 2021, 13, 121.	2.4	2
79	WSRF Services for Composing Distributed Data Mining Applications on Grids: Functionality and Performance. Lecture Notes in Computer Science, 2006, , 1080-1089.	1.0	2
80	Implementing Dynamic Querying Search in k-ary DHT-based Overlays. , 2008, , 275-286.		2
81	A Framework for Composing Knowledge Discovery Workflows in Grids. Studies in Computational Intelligence, 2009, , 345-369.	0.7	2
82	A Service-Oriented Discovery Framework for Cooperating Smart Objects. Internet of Things, 2014, , 85-105.	1.3	2
83	Scheduling and Resource Allocation. , 0, , 225-262.		2
84	Editorial: Towards Exascale Solutions for Big Data Computing. Frontiers in Big Data, 2022, 5, 838097.	1.8	2
85	Service-Oriented Architectures for Distributed and Mobile Knowledge Discovery. Chapman & Hall/CRC Data Mining and Knowledge Discovery Series, 2008, , .	0.2	1
86	A Service-Oriented Framework for Executing Data Mining Workflows on Grids. , 2009, , .		1
87	Using Social Network and Semantic Overlay Network approaches to share knowledge in distributed data mining scenarios. , 2010, , .		1
88	A distributed selectivity-driven search strategy for semi-structured data over DHT-based networks. Journal of Parallel and Distributed Computing, 2016, 93-94, 10-29.	2.7	1
89	Nubytics: Scalable cloud services for data analysis and prediction. , 2016, , .		1
90	BitTorrentSW: A Sleep-and-Wake Approach to Reduce Energy Consumption in BitTorrent Networks. , 2018, , .		1

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91	A scalable middleware for context-aware mobile applications. International Journal of Ad Hoc and Ubiquitous Computing, 2019, 31, 112.	0.3	1
92	Peer-to-Peer Computing. Lecture Notes in Computer Science, 2010, , 444-445.	1.0	1
93	Implementing MapReduce Applications in Dynamic Cloud Environments. Computer Communications and Networks, 2017, , 211-223.	0.8	1
94	Developing a Cloud-Based Algorithm for Analyzing the Polarization of Social Media Users. Lecture Notes in Computer Science, 2020, , 15-24.	1.0	1
95	On Designing and Composing Grid Services for Distributed Data Mining. , 2006, , 113-132.		1
96	Wsrf-Based Services for Distributed Data Mining. , 2007, , 203-220.		1
97	A High-Level Programming Library for Mining Social Media on HPC Systems. Advances in Parallel Computing, 2019, , .	0.3	1
98	An evaluation of sampling algorithms for estimating the size of a Chord network. , 2012, , .		0
99	Introduction to Cloud Computing. , 2016, , 27-43.		0
100	Designing and Supporting Scalable Data Analytics. , 2016, , 77-122.		0
101	Evaluating a Data-Aware Scheduling Approach to Reduce Processing Costs of DMCF Workflows. , 2017, , .		0
102	Infrastructures for High-Performance Computing: Cloud Computing. , 2019, , 236-239.		0
103	Infrastructures for High-Performance Computing: Cloud Computing Development Environments. , 2019, , 247-251.		0
104	Clouds for scalable Big Data processing. International Journal of Parallel, Emergent and Distributed Systems, 2019, 34, 629-631.	0.7	0
105	Cloud Computing for Enabling Big Data Analysis. Communications in Computer and Information Science, 2021, , 84-109.	0.4	0
106	An Experimental Evaluation of the DQ-DHT Algorithm in a Grid Information Service. , 2010, , 59-72.		0
107	Geocon: A Middleware for Location-Aware Ubiquitous Applications. Lecture Notes in Computer Science, 2016, , 234-243.	1.0	0
108	A scalable middleware for context-aware mobile applications. International Journal of Ad Hoc and Ubiquitous Computing, 2019, 31, 112.	0.3	0

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109	Data management techniques. , 2019, , 85-126.		0
110	A Visual Programming Environment for Developing Complex Grid Applications. , 2006, , 257-283.		0
111	A visual tool for reducing returns in e-commerce platforms. , 2021, , .		0