

Dimitrios Georgakopoulos

List of Publications by Year in descending order

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106
papers

6,106
citations

304743

22
h-index

149698

56
g-index

107
all docs

107
docs citations

107
times ranked

6192
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating Sensor Data Quality in Internet of Things Smart Agriculture Applications. IEEE Micro, 2022, 42, 51-60.	1.8	9
2	A Survey of Techniques for Fulfilling the Time-Bound Requirements of Time-Sensitive IoT Applications. ACM Computing Surveys, 2022, 54, 1-36.	23.0	5
3	Age of Data Aware Internet of Things Applications. , 2022, , .		4
4	IoT Device Integration and Payment via an Autonomic Blockchain-Based Service for IoT Device Sharing. Sensors, 2022, 22, 1344.	3.8	10
5	BigDataSDNSim: A simulator for analyzing big data applications in software-defined cloud data centers. Software - Practice and Experience, 2021, 51, 893-920.	3.6	9
6	IoTSec: A Lightweight and Holistic IoT Security Based on IoT Data Contextualisation and Homomorphic Encryption. Lecture Notes in Computer Science, 2021, , 203-217.	1.3	1
7	QoE in IoT: a vision, survey and future directions. Discover Internet of Things, 2021, 1, 1.	4.8	60
8	A Field Study of Internet of Things-Based Solutions for Automatic Passenger Counting. IEEE Open Journal of Intelligent Transportation Systems, 2021, 2, 384-401.	4.8	9
9	Digital Twins Supporting Efficient Digital Industrial Transformation. Sensors, 2021, 21, 6829.	3.8	19
10	Managing Time-Sensitive IoT Applications via Dynamic Application Task Distribution and Adaptation. Remote Sensing, 2021, 13, 4148.	4.0	7
11	A Framework for Enabling Cyber-Twins based Industry 4.0 Application Development. , 2021, , .		3
12	INFORM: A Tool for Classification and Semantic Annotation of IoT Datastreams. , 2021, , .		2
13	IoT-based Plant Health Analysis using Optical Sensors in Precision Agriculture. , 2021, , .		3
14	Modelling IoT Application Requirements for Benchmarking IoT Middleware Platforms. , 2021, , .		0
15	A solution for annotating sensor data streams - An industrial use case in building management system. , 2020, , .		3
16	Holistic Technologies for Managing Internet of Things Services. IEEE Transactions on Services Computing, 2020, 13, 597-601.	4.6	9
17	Internet of Things Milk Spectrum Profiling for Industry 4.0 Dairy and Milk Manufacturing. , 2020, , .		7
18	Editorial for the special issue on big time series data. Computing (Vienna/New York), 2020, 102, 741-743.	4.8	2

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19	Design and Implementation of a Platform for Managing Time-Sensitive IoT Applications. , 2020, , .		1
20	SenShaMart: A Trusted IoT Marketplace for Sensor Sharing. , 2020, , .		3
21	APOLLO. , 2020, , .		3
22	Cyber twins supporting industry 4.0 application development. , 2020, , .		8
23	An IoT-owned Service for Global IoT Device Discovery, Integration and (Re)use. , 2020, , .		9
24	Internet of Things-based Hydrocarbon Sensing for Real-time Environmental Monitoring. , 2019, , .		15
25	An Industrial IoT Solution for Evaluating Workers' Performance Via Activity Recognition. , 2019, , .		18
26	Advancements towards Global IoT Device Discovery and Integration. , 2019, , .		12
27	VisCrimePredict. , 2019, , .		3
28	VisCrime. , 2019, , .		2
29	Analysing Emerging Topics across Multiple Social Media Platforms. , 2019, , .		5
30	A Global IoT Device Discovery and Integration Vision. , 2019, , .		5
31	Computational and Human Evaluations of Orthogonal Graph Drawings. , 2019, , .		1
32	Cross-Layer Multi-Cloud Real-Time Application QoS Monitoring and Benchmarking As-a-Service Framework. IEEE Transactions on Cloud Computing, 2019, 7, 48-61.	4.4	29
33	Context-Driven Granular Disclosure Control for Internet of Things Applications. IEEE Transactions on Big Data, 2019, 5, 408-422.	6.1	5
34	Analyze EEG signals with extreme learning machine based on PMIS feature selection. International Journal of Machine Learning and Cybernetics, 2018, 9, 243-249.	3.6	21
35	A multi-layered performance analysis for cloud-based topic detection and tracking in Big Data applications. Future Generation Computer Systems, 2018, 87, 580-590.	7.5	13
36	A note on resource management techniques and systems for big data workflow processing. Computing (Vienna/New York), 2018, 100, 1-2.	4.8	5

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37	Advances in Orchestrating Sustainable Smart Cities (Part 2). IEEE Transactions on Sustainable Computing, 2018, 3, 1-3.	3.1	1
38	Visual Analytics Ontology-Guided I-DE System: A Case Study of Head and Neck Cancer in Australia. , 2018, , .		1
39	Classification and Annotation of Open Internet of Things Datastreams. Lecture Notes in Computer Science, 2018, , 209-224.	1.3	14
40	The Curse of Sensing: Survey of techniques and challenges to cope with sparse and dense data in mobile crowd sensing for Internet of Things. Pervasive and Mobile Computing, 2018, 49, 111-125.	3.3	23
41	Fog Computing: Survey of Trends, Architectures, Requirements, and Research Directions. IEEE Access, 2018, 6, 47980-48009.	4.2	366
42	The Next Grand Challenges: Integrating the Internet of Things and Data Science. IEEE Cloud Computing, 2018, 5, 12-26.	3.9	74
43	IOTSim: A simulator for analysing IoT applications. Journal of Systems Architecture, 2017, 72, 93-107.	4.3	159
44	Special issue on Big Data and Cloud of Things (CoT). Software - Practice and Experience, 2017, 47, 345-347.	3.6	0
45	Privacy preserving Internet of Things: From privacy techniques to a blueprint architecture and efficient implementation. Future Generation Computer Systems, 2017, 76, 540-549.	7.5	104
46	A service computing manifesto. Communications of the ACM, 2017, 60, 64-72.	4.5	180
47	Scalable Role-Based Data Disclosure Control for the Internet of Things. , 2017, , .		24
48	Towards a RISC Framework for Efficient Contextualisation in the IoT. , 2017, , .		0
49	Orchestrating BigData Analysis Workflows. IEEE Cloud Computing, 2017, 4, 20-28.	3.9	34
50	Analyticsâ€œasâ€œa service in a multiâ€œcloud environment through semanticallyâ€œenabled hierarchical data processing. Software - Practice and Experience, 2017, 47, 1139-1156.	3.6	19
51	Deep Osmosis: Holistic Distributed Deep Learning in Osmotic Computing. IEEE Cloud Computing, 2017, 4, 22-32.	3.9	40
52	Advances in Orchestrating Sustainable Smart Cities (Part 1). IEEE Transactions on Sustainable Computing, 2017, 2, 317-319.	3.1	2
53	ConTaaS: An Approach to Internet-Scale Contextualisation for Developing Efficient Internet of Things Applications. , 2017, , .		18
54	Internet of Things Platform for Smart Farming: Experiences and Lessons Learnt. Sensors, 2016, 16, 1884.	3.8	264

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55	Advances in Methods and Techniques for Processing Streaming Big Data in Datacentre Clouds. IEEE Transactions on Emerging Topics in Computing, 2016, 4, 262-265.	4.6	13
56	Contextualised service delivery in the Internet of Things: Parking recommender for smart cities. , 2016, , .		19
57	Internet of things: from internet scale sensing to smart services. Computing (Vienna/New York), 2016, 98, 1041-1058.	4.8	118
58	Internet of Things and Edge Cloud Computing Roadmap for Manufacturing. IEEE Cloud Computing, 2016, 3, 66-73.	3.9	201
59	A note on software tools and technologies for delivering smart media-optimized big data applications in the cloud. Computing (Vienna/New York), 2016, 98, 1-5.	4.8	31
60	Privacy Protection for Wireless Medical Sensor Data. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 369-380.	5.4	70
61	Orchestrating Quality of Service in the Cloud of Things Ecosystem. , 2015, , .		3
62	Do-it-Yourself Digital Agriculture applications with semantically enhanced IoT platform. , 2015, , .		38
63	SensorDB: a virtual laboratory for the integration, visualization and analysis of varied biological sensor data. Plant Methods, 2015, 11, 53.	4.3	25
64	Discovery-Driven Service Oriented IoT Architecture. , 2015, , .		19
65	Recent advances in autonomic provisioning of big data applications on clouds. IEEE Transactions on Cloud Computing, 2015, 3, 101-104.	4.4	19
66	Social Media Data Aggregation and Mining for Internet-Scale Customer Relationship Management. , 2015, , .		10
67	Internet of Things: Challenges and State-of-the-Art Solutions in Internet-Scale Sensor Information Management and Mobile Analytics. , 2015, , .		21
68	Addressing Information Processing Needs of Digital Agriculture with OpenIoT Platform. Lecture Notes in Computer Science, 2015, , 137-152.	1.3	14
69	Improving Government Services Using Social Media Feedback. , 2015, , 221-246.		5
70	Context-Aware Dynamic Discovery and Configuration of "Things"™ in Smart Environments. Studies in Computational Intelligence, 2014, , 215-241.	0.9	9
71	A security framework in G-Hadoop for big data computing across distributed Cloud data centres. Journal of Computer and System Sciences, 2014, 80, 994-1007.	1.2	96
72	Sensor Search Techniques for Sensing as a Service Architecture for the Internet of Things. IEEE Sensors Journal, 2014, 14, 406-420.	4.7	165

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73	MOSDEN: An Internet of Things Middleware for Resource Constrained Mobile Devices. , 2014, , .		89
74	Sensing as a service model for smart cities supported by Internet of Things. Transactions on Emerging Telecommunications Technologies, 2014, 25, 81-93.	3.9	725
75	Sensor discovery and configuration framework for the Internet of Things paradigm. , 2014, , .		36
76	Towards understanding the runtime configuration management of do-it-yourself content delivery network applications over public clouds. Future Generation Computer Systems, 2014, 37, 297-308.	7.5	6
77	Context Aware Computing for The Internet of Things: A Survey. IEEE Communications Surveys and Tutorials, 2014, 16, 414-454.	39.4	1,974
78	MOSDEN: A Scalable Mobile Collaborative Platform for Opportunistic Sensing Applications. EAI Endorsed Transactions on Collaborative Computing, 2014, 1, e6.	0.2	11
79	Editorial for CollaborateCom 2011 Special Issue. Mobile Networks and Applications, 2013, 18, 235-236.	3.3	0
80	MediaWise cloud content orchestrator. Journal of Internet Services and Applications, 2013, 4, .	2.1	16
81	Semantic-Driven Configuration of Internet of Things Middleware. , 2013, , .		27
82	An Iterative Hierarchical Key Exchange Scheme for Secure Scheduling of Big Data Applications in Cloud Computing. , 2013, , .		16
83	Context-Aware Sensor Search, Selection and Ranking Model for Internet of Things Middleware. , 2013, , .		89
84	Public Auditing for Big Data Storage in Cloud Computing – A Survey. , 2013, , .		57
85	Efficient Opportunistic Sensing using Mobile Collaborative Platform MOSDEN. , 2013, , .		42
86	Connecting mobile things to global sensor network middleware using system-generated wrappers. , 2012, , .		12
87	Capturing sensor data from mobile phones using Global Sensor Network middleware. , 2012, , .		24
88	Investigating decision support techniques for automating Cloud service selection. , 2012, , .		25
89	CA4IOT: Context Awareness for Internet of Things. , 2012, , .		72
90	Do-It-Yourself Content Delivery Network Orchestrator. Lecture Notes in Computer Science, 2012, , 789-791.	1.3	2

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91	Guest editorial: mobile services on the Web. World Wide Web, 2011, 14, 293-294.	4.0	0
92	WISE 2007 Extended Best Papers. World Wide Web, 2009, 12, 1-2.	4.0	0
93	Information Services: Myth or Silver Bullet?. Lecture Notes in Computer Science, 2009, , 793-794.	1.3	0
94	The Video Event Awareness System. , 2007, , .		0
95	Event-driven Video Awareness Providing Physical Security. World Wide Web, 2007, 10, 85-109.	4.0	6
96	From Events to Awareness. , 2006, , .		5
97	Awareness-based Collaboration Driving Process-based Coordination. , 2006, , .		1
98	Teamware: An Evaluation of Key Technologies and Open Problems. Distributed and Parallel Databases, 2004, 15, 9-44.	1.6	11
99	AWARENESS PROVISIONING IN COLLABORATION MANAGEMENT. International Journal of Cooperative Information Systems, 2002, 11, 145-173.	0.8	21
100	Process-Based E-Service Composition for Modeling and Automating Zero Latency Supply Chains. Information Systems Frontiers, 2002, 4, 33-54.	6.4	5
101	Modeling and Composing Service-Based and Reference Process-Based Multi-enterprise Processes. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2000, , 247-263.	0.3	80
102	Managing process and service fusion in virtual enterprises. Information Systems, 1999, 24, 429-456.	3.6	84
103	Specification and Management of Interdependent Data in Operational Systems and Data Warehouses. Distributed and Parallel Databases, 1997, 5, 121-166.	1.6	7
104	Report from the NSF workshop on workflow and process automation in information systems. SIGMOD Record, 1996, 25, 55-67.	1.2	59
105	Chronological scheduling of transactions with temporal dependencies. VLDB Journal, 1994, 3, 1-28.	4.1	15
106	DISTRIBUTED OBJECT MANAGEMENT. International Journal of Cooperative Information Systems, 1992, 01, 5-42.	0.8	70