Charith Perera

List of Publications by Year in descending order

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49 papers	5,144 citations	304743 22 h-index	276875 41 g-index
49 all docs	49 docs citations	49 times ranked	5737 citing authors

#	Article	IF	Citations
1	Context Aware Computing for The Internet of Things: A Survey. IEEE Communications Surveys and Tutorials, 2014, 16, 414-454.	39.4	1,974
2	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
3	A Survey on Internet of Things From Industrial Market Perspective. IEEE Access, 2014, 2, 1660-1679.	4.2	475
4	The Emerging Internet of Things Marketplace From an Industrial Perspective: A Survey. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 585-598.	4.6	392
5	Fog Computing for Sustainable Smart Cities. ACM Computing Surveys, 2018, 50, 1-43.	23.0	321
6	Big Data Privacy in the Internet of Things Era. IT Professional, 2015, 17, 32-39.	1.5	158
7	Tensor-Based Big Data Management Scheme for Dimensionality Reduction Problem in Smart Grid Systems: SDN Perspective. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1985-1998.	5.7	78
8	Energy-Efficient Location and Activity-Aware On-Demand Mobile Distributed Sensing Platform for Sensing as a Service in IoT Clouds. IEEE Transactions on Computational Social Systems, 2015, 2, 171-181.	4.4	77
9	CA4IOT: Context Awareness for Internet of Things. , 2012, , .		72
10	Automated License Plate Recognition: A Survey on Methods and Techniques. IEEE Access, 2021, 9, 11203-11225.	4.2	72
11	A knowledge-based resource discovery for Internet of Things. Knowledge-Based Systems, 2016, 109, 122-136.	7.1	60
12	Deterrence and prevention-based model to mitigate information security insider threats in organisations. Future Generation Computer Systems, 2019, 97, 587-597.	7.5	60
13	City Data Fusion. International Journal of Distributed Systems and Technologies, 2016, 7, 15-36.	0.7	56
14	Designing privacy-aware internet of things applications. Information Sciences, 2020, 512, 238-257.	6.9	56
15	Sensor discovery and configuration framework for the Internet of Things paradigm. , 2014, , .		36
16	Smart Audio Sensors in the Internet of Things Edge for Anomaly Detection. IEEE Access, 2018, 6, 67594-67610.	4.2	35
17	A Spatial-Temporal Correlation Approach for Data Reduction in Cluster-Based Sensor Networks. IEEE Access, 2019, 7, 50669-50680.	4.2	34
18	Data-Driven Air Quality Characterization for Urban Environments: A Case Study. IEEE Access, 2018, 6, 77996-78006.	4.2	32

#	Article	IF	Citations
19	Security and Privacy Requirements for the Internet of Things. ACM Transactions on Internet of Things, 2021, 2, 1-37.	4.6	32
20	End-to-End Privacy for Open Big Data Markets. IEEE Cloud Computing, 2015, 2, 44-53.	3.9	31
21	User-centric Privacy Engineering for the Internet of Things. IEEE Cloud Computing, 2018, 5, 47-57.	3.9	31
22	IoT-CANE: A unified knowledge management system for data-centric Internet of Things application systems. Journal of Parallel and Distributed Computing, 2019, 131, 161-172.	4.1	29
23	Cross-Layer Optimization for Cooperative Content Distribution in Multihop Device-to-Device Networks. IEEE Internet of Things Journal, 2019, 6, 278-287.	8.7	24
24	Valorising the IoT Databox: creating value for everyone. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3125.	3.9	23
25	A hybrid approach for data analytics for internet of things. , 2017, , .		21
26	Multiâ€criteria IoT resource discovery: a comparative analysis. Software - Practice and Experience, 2017, 47, 1325-1341.	3.6	20
27	Analyticsâ€asâ€aâ€service in a multiâ€cloud environment through semanticallyâ€enabled hierarchical data processing. Software - Practice and Experience, 2017, 47, 1139-1156.	3.6	19
28	Privacy Laws and Privacy by Design Schemes for the Internet of Things. ACM Computing Surveys, 2022, 54, 1-38.	23.0	18
29	Automated License Plate Recognition for Resource-Constrained Environments. Sensors, 2022, 22, 1434.	3.8	18
30	Exploring the Effectiveness of Service Decomposition in Fog Computing Architecture for the Internet of Things. IEEE Transactions on Sustainable Computing, 2022, 7, 299-312.	3.1	16
31	License plate recognition using neural architecture search for edge devices. International Journal of Intelligent Systems, 2022, 37, 10211-10248.	5.7	15
32	Applying Seamful Design in Location-Based Mobile Museum Applications. ACM Transactions on Multimedia Computing, Communications and Applications, 2016, 12, 1-23.	4.3	14
33	Authentic Caller: Self-Enforcing Authentication in a Next-Generation Network. IEEE Transactions on Industrial Informatics, 2020, 16, 3606-3615.	11.3	14
34	Improve the sustainability of Internet of Things through trading-based value creation. , 2014, , .		13
35	Contextual Location in the Home Using Bluetooth Beacons. IEEE Systems Journal, 2019, 13, 2720-2723.	4.6	13
36	AnoML-IoT: An end to end re-configurable multi-protocol anomaly detection pipeline for Internet of Things. Internet of Things (Netherlands), 2021, 16, 100437.	7.7	13

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37	Connecting mobile things to global sensor network middleware using system-generated wrappers. , 2012, , .		12
38	Context-Aware Dynamic Discovery and Configuration of â€˜Thingsâ€™ in Smart Environments. Studies in Computational Intelligence, 2014, , 215-241.	0.9	9
39	Hybrid microaggregation for privacy preserving data mining. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 23-38.	4.9	9
40	Designing the Sensing as a Service Ecosystem for the Internet of Things. IEEE Internet of Things Magazine, 2018, 1, 18-23.	2.6	8
41	Privacy in Data Service Composition. IEEE Transactions on Services Computing, 2020, 13, 639-652.	4.6	7
42	Envisioning Tool Support for Designing Privacy-Aware Internet of Thing Applications. IEEE Internet of Things Magazine, 2021, 4, 78-83.	2.6	6
43	Analysing environmental impact of large-scale events in public spaces with cross-domain multimodal data fusion. Computing (Vienna/New York), 2021, 103, 1959-1981.	4.8	5
44	Guest Editorial Special Section on Engineering Industrial Big Data Analytics Platforms for Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 744-747.	11.3	4
45	Guest Editorial: Introduction to the Special Section on Sensor Data Computing as a Service in Internet of Things. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 311-313.	4.6	3
46	Privacy-preserving Crowd-sensed Trust Aggregation in the User-centeric Internet of People Networks. ACM Transactions on Cyber-Physical Systems, 2021, 5, 1-24.	2.5	2
47	Demo Abstract: PARROT: Privacy by Design Tool for Internet of Things. , 2022, , .		2
48	Poster Abstract: Feasibility on Detecting Door Slamming towards Monitoring Early Signs of Domestic Violence. , 2022, , .		0
49	Poster Abstract: Explainable Sensor Data-Driven Anomaly Detection in Internet of Things Systems. , 2022, , .		0