

Suat Ozdemir

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

2,256
citations

361045

20
h-index

301761

39
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107
all docs

107
docs citations

107
times ranked

1778
citing authors

#	ARTICLE	IF	CITATIONS
1	Secure data aggregation in wireless sensor networks: A comprehensive overview. <i>Computer Networks</i> , 2009, 53, 2022-2037.	3.2	352
2	A fog computing based smart grid model. , 2016, , .		135
3	Energy-efficient secure pattern based data aggregation for wireless sensor networks. <i>Computer Communications</i> , 2006, 29, 446-455.	3.1	131
4	A deep learning model for air quality prediction in smart cities. , 2017, , .		101
5	Integrity protecting hierarchical concealed data aggregation for wireless sensor networks. <i>Computer Networks</i> , 2011, 55, 1735-1746.	3.2	95
6	Integration of False Data Detection With Data Aggregation and Confidential Transmission in Wireless Sensor Networks. <i>IEEE/ACM Transactions on Networking</i> , 2010, 18, 736-749.	2.6	94
7	Functional reputation based reliable data aggregation and transmission for wireless sensor networks. <i>Computer Communications</i> , 2008, 31, 3941-3953.	3.1	84
8	A Survey of Wormhole-based Attacks and their Countermeasures in Wireless Sensor Networks. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2011, 28, 89.	2.1	67
9	A survey on computation offloading and service placement in fog computing-based IoT. <i>Journal of Supercomputing</i> , 2022, 78, 1983-2014.	2.4	67
10	ESPDA: Energy-efficient and Secure Pattern-based Data Aggregation for wireless sensor networks. , 0, , .		56
11	Routing in Fog-Enabled IoT Platforms: A Survey and an SDN-Based Solution. <i>IEEE Internet of Things Journal</i> , 2018, 5, 4871-4889.	5.5	50
12	Multi-Objective Evolutionary Algorithm Based on Decomposition for Energy Efficient Coverage in Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2013, 71, 195-215.	1.8	45
13	Security in internet of things: A survey. , 2017, , .		44
14	CDABC: chaotic discrete artificial bee colony algorithm for multi-level clustering in large-scale WSNs. <i>Journal of Supercomputing</i> , 2019, 75, 7174-7208.	2.4	39
15	Energy efficient security protocol for wireless sensor networks. , 2003, , .		36
16	Secure and Reliable Data Aggregation for Wireless Sensor Networks. , 2007, , 102-109.		35
17	Concealed Data Aggregation in Heterogeneous Sensor Networks using Privacy Homomorphism. , 2007, , .		34
18	Application-specific topology generation algorithms for network-on-chip design. <i>IET Computers and Digital Techniques</i> , 2012, 6, 318-333.	0.9	33

#	ARTICLE	IF	CITATIONS
19	A secure data aggregation protocol for fog computing based smart grids. , 2018, , .		33
20	DeepMDP: A Novel Deep-Learning-Based Missing Data Prediction Protocol for IoT. IEEE Internet of Things Journal, 2021, 8, 232-243.	5.5	32
21	PRDA: polynomial regression-based privacy-preserving data aggregation for wireless sensor networks. Wireless Communications and Mobile Computing, 2015, 15, 615-628.	0.8	30
22	Comparative Analysis of IoT Communication Protocols. , 2018, , .		30
23	Big data analytics for default prediction using graph theory. Expert Systems With Applications, 2021, 176, 114840.	4.4	30
24	Evolutionary task allocation in Internet of Things-based application domains. Future Generation Computer Systems, 2018, 86, 121-133.	4.9	29
25	A review of heuristics and metaheuristics for community detection in complex networks: Current usage, emerging development and future directions. Swarm and Evolutionary Computation, 2021, 63, 100885.	4.5	28
26	SMOTE and Gaussian Noise Based Sensor Data Augmentation. , 2019, , .		26
27	A Survey of Payment Card Industry Data Security Standard. IEEE Communications Surveys and Tutorials, 2010, 12, 287-303.	24.8	25
28	FTDA: outlier detection-based fault-tolerant data aggregation for wireless sensor networks. Security and Communication Networks, 2013, 6, 702-710.	1.0	25
29	Secure and reliable object tracking in wireless sensor networks. Computers and Security, 2017, 70, 307-318.	4.0	25
30	A hybrid trust based intrusion detection system for wireless sensor networks. , 2017, , .		22
31	ANFIS and Deep Learning based missing sensor data prediction in IoT. Concurrency Computation Practice and Experience, 2020, 32, e5400.	1.4	20
32	Towards Coverage-Aware Fuzzy Logic-Based Faulty Node Detection in Heterogeneous Wireless Sensor Networks. Wireless Personal Communications, 2020, 111, 581-610.	1.8	19
33	Multi-objective clustered-based routing with coverage control in wireless sensor networks. Soft Computing, 2013, 17, 1573-1584.	2.1	17
34	Reliable and energy efficient topology control in probabilistic Wireless Sensor Networks via multi-objective optimization. Journal of Supercomputing, 2017, 73, 2632-2656.	2.4	17
35	Functional Reputation Based Data Aggregation for Wireless Sensor Networks. , 2008, , .		16
36	A deep learning-based CEP rule extraction framework for IoT data. Journal of Supercomputing, 2021, 77, 8563-8592.	2.4	16

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37	A Multi-objective Disjoint Set Covers for Reliable Lifetime Maximization of Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2015, 81, 819-838.	1.8	15
38	Fuzzy Traffic Control with Vehicle-to-Everything Communication. <i>Sensors</i> , 2018, 18, 368.	2.1	14
39	Polynomial Regression Based Secure Data Aggregation for Wireless Sensor Networks. , 2011, , .		13
40	Secure data aggregation in wireless Multimedia Sensor Networks via watermarking. , 2012, , .		11
41	A New Task Allocation Protocol for Extending Stability and Operational Periods in Internet of Things. <i>IEEE Internet of Things Journal</i> , 2019, 6, 7225-7231.	5.5	11
42	QoS-aware IoT networks and protocols: A comprehensive survey. <i>International Journal of Communication Systems</i> , 2022, 35, .	1.6	11
43	Multi-objective evolutionary algorithm based on decomposition for efficient coverage control in mobile sensor networks. , 2012, , .		10
44	Analysis of the relation between Turkish twitter messages and stock market index. , 2012, , .		10
45	A survey of secure target tracking algorithms for wireless sensor networks. , 2014, , .		10
46	GlobalView: building global view with log files in a distributed/networked system for accountability. <i>Security and Communication Networks</i> , 2014, 7, 2564-2586.	1.0	10
47	QoS-driven metaheuristic service composition schemes: a comprehensive overview. <i>Artificial Intelligence Review</i> , 2021, 54, 3749-3816.	9.7	10
48	Secure target detection and tracking in mission critical wireless sensor networks. , 2014, , .		9
49	Bio-inspired multi-objective algorithms for connected set K-covers problem in wireless sensor networks. <i>Soft Computing</i> , 2019, 23, 11699-11728.	2.1	9
50	Fog computing-based privacy preserving data aggregation protocols. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020, 31, e3900.	2.6	9
51	Performance Evaluation of PIR Sensor Deployment in Critical Area Surveillance Networks. , 2014, , .		8
52	Multi-objective virtual machine placement optimization for cloud computing. , 2017, , .		7
53	Fuzzy Quantification and Opinion Mining on Qualitative Data using Feature Reduction. <i>International Journal of Intelligent Systems</i> , 2018, 33, 1840-1857.	3.3	7
54	Deep Learning based Delay and Bandwidth Efficient Data Transmission in IoT. , 2019, , .		7

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55	A New CEP-based Air Quality Prediction Framework for Fog based IoT. , 2019, , .		7
56	FogAI: An AI-supported fog controller for Next Generation IoT. Internet of Things (Netherlands), 2022, 19, 100572.	4.9	7
57	Biologically inspired probabilistic coverage for mobile sensor networks. Soft Computing, 2014, 18, 2313-2322.	2.1	6
58	A Pairwise Deep Ranking Model for Relative Assessment of Parkinsonâ€™s Disease Patients From Gait Signals. IEEE Access, 2022, 10, 6676-6683.	2.6	6
59	Development of a visual attention based decision support system for autism spectrum disorder screening. International Journal of Psychophysiology, 2022, 173, 69-81.	0.5	6
60	Outlier detection based fault tolerant data aggregation for wireless sensor networks. , 2011, , .		5
61	TPS3: A privacy preserving data collection protocol for smart grids. Information Security Journal, 2018, 27, 102-118.	1.3	5
62	A new evolutionary multi-objective community mining algorithm for signed networks. Applied Soft Computing Journal, 2019, 85, 105817.	4.1	5
63	Energy Aware Evolutionary routing protocol with probabilistic sensing model and wake-up scheduling. , 2013, , .		4
64	Prolonging stability period of CDS based WSNs. , 2015, , .		4
65	Fair and energy-aware IoT service composition under QoS constraints. Journal of Supercomputing, 0, , 1.	2.4	4
66	Secure and Reliable Prediction Based Target Tracking for Wireless Sensor Networks. , 2014, , .		3
67	CDS based reliable topology control in WSNs. , 2015, , .		3
68	Fuzzy logic based traffic surveillance system using cooperative V2X protocols with low penetration rate. , 2017, , .		3
69	Performance comparison of cryptographic algorithms in internet of things. , 2018, , .		3
70	False Data Detection and Secure Data Aggregation in Wireless Sensor Networks. , 2007, , 129-157.		3
71	Data Aggregation in Wireless Sensor Networks. Wireless Networks and Mobile Communications, 2009, , 297-322.	1.0	3
72	Ranking surgical skills using an attention-enhanced Siamese network with piecewise aggregated kinematic data. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 1039-1048.	1.7	3

#	ARTICLE	IF	CITATIONS
73	Opinion mining and fuzzy quantification in hotel reviews. , 2016, , .		2
74	CEP Rule Extraction From Unlabeled Data in IoT. , 2018, , .		2
75	Applications of Stream Data Mining on the Internet of Things: A Survey. , 2018, , .		2
76	Detection of Malicious Requests on Web Logs Using Data Mining Techniques. , 2019, , .		2
77	Real-Time Object and Personnel Tracking in Indoor Location. , 2019, , .		2
78	Mapping application-specific topology to mesh topology with reconfigurable switches. IET Computers and Digital Techniques, 2020, 14, 9-16.	0.9	2
79	Linking COVID-19 Perception With Socioeconomic Conditions Using Twitter Data. IEEE Transactions on Computational Social Systems, 2022, 9, 394-405.	3.2	2
80	HAFTA: Highly adaptive fault-tolerant routing algorithm for two-dimensional network-on-chips. Concurrency Computation Practice and Experience, 2021, 33, e6378.	1.4	2
81	Security and Privacy in Medical Internet of Things and Cluster-Based Wireless Sensor Networks for Health Care. Journal of Medical Imaging and Health Informatics, 2020, 10, 211-222.	0.2	2
82	Overview of internet of things: Concept, characteristics, challenges and opportunities. Pamukkale University Journal of Engineering Sciences, 2018, 24, 311-326.	0.2	2
83	Adaptive Learning on Fog-Cloud Collaborative Architecture for Stream Data Processing. , 2021, , .		2
84	Key Establishment with Source Coding and Reconciliation for Wireless Sensor Networks. , 0, , .		1
85	Cipher feedback mode under go-back-N and selective-reject protocols in error channels. Security and Communication Networks, 2013, 6, 942-954.	1.0	1
86	Steganography Application for UTF8 Encoded Texts. , 2018, , .		1
87	SDN-Based Data Forwarding in Fog-Enabled Smart Grids. , 2019, , .		1
88	QoS Prediction Methods in IoT A Survey. , 2019, , .		1
89	Sentiment Analysis for Turkish Unstructured Data by Machine Translation. , 2020, , .		1
90	Distributed Sensing and Data Gathering. , 0, , 421-508.		0

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91	Energy efficient link layer security solution for wireless LANs. , 2006, 6241, 72.		0
92	Energy-efficient false data detection in wireless sensor networks. , 2006, 6248, 104.		0
93	An efficient memory allocation algorithm and hardware design with VHDL synthesis. International Journal of Electronics, 2008, 95, 125-138.	0.9	0
94	Power-aware topology generation for application specific NoC design. , 2012, , .		0
95	Traffic delay estimation with V2X communication for an isolated intersection. , 2017, , .		0
96	A hybrid approach for improving the classification performance. , 2017, , .		0
97	Multi sensor based indoor positioning. , 2017, , .		0
98	Efficient and Secure Coverage Control in Internet of Things. , 2018, , .		0
99	Proposed Hybrid Attribute Selection Method on Financial Data Sets. , 2019, , .		0
100	A Novel Weighted FP-Stream Algorithm for IoT Data Streams. , 2020, , .		0
101	A Novel Low-Latency and Cost-Effective Communication Protocol Design for Internet of Flying Things. , 2021, , .		0
102	Computation Power and Energy Optimized Task Allocation in Internet of Things. IEEE Transactions on Network and Service Management, 2022, 19, 4424-4433.	3.2	0