Suat Ozdemir

List of Publications by Year in descending order

102 papers	2,256 citations	361045 20 h-index	301761 39 g-index
107 all docs	107 docs citations	107 times ranked	1778 citing authors

#	Article	IF	Citations
1	Linking COVID-19 Perception With Socioeconomic Conditions Using Twitter Data. IEEE Transactions on Computational Social Systems, 2022, 9, 394-405.	3.2	2
2	A survey on computation offloading and service placement in fog computing-based IoT. Journal of Supercomputing, 2022, 78, 1983-2014.	2.4	67
3	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
4	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
5	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
6	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
7	QoSâ€aware IoT networks and protocols: A comprehensive survey. International Journal of Communication Systems, 2022, 35, .	1.6	11
8	FogAI: An AI-supported fog controller for Next Generation IoT. Internet of Things (Netherlands), 2022, 19, 100572.	4.9	7
9	DeepMDP: A Novel Deep-Learning-Based Missing Data Prediction Protocol for IoT. IEEE Internet of Things Journal, 2021, 8, 232-243.	5.5	32
10	QoS-driven metaheuristic service composition schemes: a comprehensive overview. Artificial Intelligence Review, 2021, 54, 3749-3816.	9.7	10
11	A deep learning-based CEP rule extraction framework for IoT data. Journal of Supercomputing, 2021, 77, 8563-8592.	2.4	16
12	HAFTA: Highly adaptive faultâ€tolerant routing algorithm for twoâ€dimensional networkâ€onâ€chips. Concurrency Computation Practice and Experience, 2021, 33, e6378.	1.4	2
13	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
14	Big data analytics for default prediction using graph theory. Expert Systems With Applications, 2021, 176, 114840.	4.4	30
15	A Novel Low-Latency and Cost-Effective Communication Protocol Design for Internet of Flying Things. , 2021, , .		0
16	Adaptive Learning on Fog-Cloud Collaborative Architecture for Stream Data Processing. , 2021, , .		2
17	ANFIS and Deep Learning based missing sensor data prediction in IoT. Concurrency Computation Practice and Experience, 2020, 32, e5400.	1.4	20
18	Towards Coverage-Aware Fuzzy Logic-Based Faulty Node Detection in Heterogeneous Wireless Sensor Networks. Wireless Personal Communications, 2020, 111, 581-610.	1.8	19

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19	Fog computingâ€based privacy preserving data aggregation protocols. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3900.	2.6	9
20	Mapping applicationâ€specific topology to mesh topology with reconfigurable switches. IET Computers and Digital Techniques, 2020, 14, 9-16.	0.9	2
21	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
22	A Novel Weighted FP-Stream Algorithm for IoT Data Streams. , 2020, , .		0
23	Sentiment Analysis for Turkish Unstructured Data by Machine Translation. , 2020, , .		1
24	SDN-Based Data Forwarding in Fog-Enabled Smart Grids. , 2019, , .		1
25	A New Task Allocation Protocol for Extending Stability and Operational Periods in Internet of Things. IEEE Internet of Things Journal, 2019, 6, 7225-7231.	5.5	11
26	A new evolutionary multi-objective community mining algorithm for signed networks. Applied Soft Computing Journal, 2019, 85, 105817.	4.1	5
27	Bio-inspired multi-objective algorithms for connected set K-covers problem in wireless sensor networks. Soft Computing, 2019, 23, 11699-11728.	2.1	9
28	CDABC: chaotic discrete artificial bee colony algorithm for multi-level clustering in large-scale WSNs. Journal of Supercomputing, 2019, 75, 7174-7208.	2.4	39
29	Proposed Hybrid Attribute Selection Method on Financial Data Sets. , 2019, , .		0
30	QoS Prediction Methods in IoT A Survey. , 2019, , .		1
31	Deep Learning based Delay and Bandwidth Efficient Data Transmission in IoT. , 2019, , .		7
32	SMOTE and Gaussian Noise Based Sensor Data Augmentation. , 2019, , .		26
33	Detection of Malicious Requests on Web Logs Using Data Mining Techniques. , 2019, , .		2
34	A New CEP-based Air Quality Prediction Framework for Fog based IoT. , 2019, , .		7
35	Real-Time Object and Personnel Tracking in Indoor Location. , 2019, , .		2
36	TPS3: A privacy preserving data collection protocol for smart grids. Information Security Journal, 2018, 27, 102-118.	1.3	5

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37	Evolutionary task allocation in Internet of Things-based application domains. Future Generation Computer Systems, 2018, 86, 121-133.	4.9	29
38	Fuzzy Quantification and Opinion Mining on Qualitative Data using Feature Reduction. International Journal of Intelligent Systems, 2018, 33, 1840-1857.	3.3	7
39	Efficient and Secure Coverage Control in Internet of Things. , 2018, , .		0
40	CEP Rule Extraction From Unlabeled Data in IoT. , 2018, , .		2
41	Applications of Stream Data Mining on the Internet of Things: A Survey. , 2018, , .		2
42	Steganography Application for UTF8 Encoded Texts. , 2018, , .		1
43	Routing in Fog-Enabled IoT Platforms: A Survey and an SDN-Based Solution. IEEE Internet of Things Journal, 2018, 5, 4871-4889.	5.5	50
44	Comparative Analysis of IoT Communication Protocols. , 2018, , .		30
45	Performance comparison of cryptographic algorithms in internet of things. , 2018, , .		3
46	Fuzzy Traffic Control with Vehicle-to-Everything Communication. Sensors, 2018, 18, 368.	2.1	14
47	A secure data aggregation protocol for fog computing based smart grids. , 2018, , .		33
48	Overview of internet of things: Concept, characteristics, challenges and opportunities. Pamukkale University Journal of Engineering Sciences, 2018, 24, 311-326.	0.2	2
49	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
50	Multi-objective virtual machine placement optimization for cloud computing. , 2017, , .		7
51	Security in internet of things: A survey. , 2017, , .		44
52	Fuzzy logic based traffic surveillance system using cooperative V2X protocols with low penetration rate. , 2017, , .		3
53	A hybrid trust based intrusion detection system for wireless sensor networks. , 2017, , .		22
54	Secure and reliable object tracking in wireless sensor networks. Computers and Security, 2017, 70, 307-318.	4.0	25

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55	A deep learning model for air quality prediction in smart cities. , 2017, , .		101
56	Traffic delay estimation with V2X communication for an isolated intersection. , 2017, , .		0
57	A hybrid approach for improving the classification performance. , 2017, , .		0
58	Multi sensor based indoor positioning. , 2017, , .		0
59	Opinion mining and fuzzy quantification in hotel reviews. , 2016, , .		2
60	A fog computing based smart grid model. , 2016, , .		135
61	CDS based reliable topology control in WSNs. , 2015, , .		3
62	Prolonging stability period of CDS based WSNs. , 2015, , .		4
63	A Multi-objective Disjoint Set Covers for Reliable Lifetime Maximization of Wireless Sensor Networks. Wireless Personal Communications, 2015, 81, 819-838.	1.8	15
64	PRDA: polynomial regression-based privacy-preserving data aggregation for wireless sensor networks. Wireless Communications and Mobile Computing, 2015, 15, 615-628.	0.8	30
65	A survey of secure target tracking algorithms for wireless sensor networks. , 2014, , .		10
66	Secure target detection and tracking in mission critical wireless sensor networks. , 2014, , .		9
67	Secure and Reliable Prediction Based Target Tracking for Wireless Sensor Networks. , 2014, , .		3
68	GlobalView: building global view with log files in a distributed/networked system for accountability. Security and Communication Networks, 2014, 7, 2564-2586.	1.0	10
69	Biologically inspired probabilistic coverage for mobile sensor networks. Soft Computing, 2014, 18, 2313-2322.	2.1	6
70	Performance Evaluation of PIR Sensor Deployment in Critical Area Surveillance Networks. , 2014, , .		8
71	Multi-objective clustered-based routing with coverage control in wireless sensor networks. Soft Computing, 2013, 17, 1573-1584.	2.1	17
72	Multi-Objective Evolutionary Algorithm Based on Decomposition for Energy Efficient Coverage in Wireless Sensor Networks. Wireless Personal Communications, 2013, 71, 195-215.	1.8	45

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73	Energy Aware Evolutionary routing protocol with probabilistic sensing model and wake-up scheduling. , 2013, , .		4
74	FTDA: outlier detectionâ€based faultâ€tolerant data aggregation for wireless sensor networks. Security and Communication Networks, 2013, 6, 702-710.	1.0	25
75	Cipher feedback mode under goâ€backâ€N and selectiveâ€reject protocols in error channels. Security and Communication Networks, 2013, 6, 942-954.	1.0	1
76	Multi-objective evolutionary algorithm based on decomposition for efficient coverage control in mobile sensor networks. , 2012, , .		10
77	Power-aware topology generation for application specific NoC design. , 2012, , .		0
78	Analysis of the relation between Turkish twitter messages and stock market index. , 2012, , .		10
79	Secure data aggregation in wireless Multimedia Sensor Networks via watermarking. , 2012, , .		11
80	Application-specific topology generation algorithms for network-on-chip design. IET Computers and Digital Techniques, 2012, 6, 318-333.	0.9	33
81	Polynomial Regression Based Secure Data Aggregation for Wireless Sensor Networks. , 2011, , .		13
82	Integrity protecting hierarchical concealed data aggregation for wireless sensor networks. Computer Networks, 2011, 55, 1735-1746.	3.2	95
83	Outlier detection based fault tolerant data aggregation for wireless sensor networks. , 2011, , .		5
84	A Survey of Wormhole-based Attacks and their Countermeasures in Wireless Sensor Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2011, 28, 89.	2.1	67
85	Integration of False Data Detection With Data Aggregation and Confidential Transmission in Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2010, 18, 736-749.	2.6	94
86	A Survey of Payment Card Industry Data Security Standard. IEEE Communications Surveys and Tutorials, 2010, 12, 287-303.	24.8	25
87	Secure data aggregation in wireless sensor networks: A comprehensive overview. Computer Networks, 2009, 53, 2022-2037.	3.2	352
88	Data Aggregation in Wireless Sensor Networks. Wireless Networks and Mobile Communications, 2009, , 297-322.	1.0	3
89	Functional reputation based reliable data aggregation and transmission for wireless sensor networks. Computer Communications, 2008, 31, 3941-3953.	3.1	84
90	An efficient memory allocation algorithm and hardware design with VHDL synthesis. International Journal of Electronics, 2008, 95, 125-138.	0.9	0

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91	Functional Reputation Based Data Aggregation for Wireless Sensor Networks. , 2008, , .		16
92	Secure and Reliable Data Aggregation for Wireless Sensor Networks. , 2007, , 102-109.		35
93	Concealed Data Aggregation in Heterogeneous Sensor Networks using Privacy Homomorphism. , 2007, , .		34
94	False Data Detection and Secure Data Aggregation in Wireless Sensor Networks. , 2007, , 129-157.		3
95	Energy efficient link layer security solution for wireless LANs. , 2006, 6241, 72.		0
96	Energy-efficient false data detection in wireless sensor networks. , 2006, 6248, 104.		0
97	Energy-efficient secure pattern based data aggregation for wireless sensor networks. Computer Communications, 2006, 29, 446-455.	3.1	131
98	Energy efficient security protocol for wireless sensor networks. , 2003, , .		36
99	ESPDA: Energy-efficient and Secure Pattern-based Data Aggregation for wireless sensor networks. , 0, , .		56
100	Distributed Sensing and Data Gathering. , 0, , 421-508.		0
101	Key Establishment with Source Coding and Reconciliation for Wireless Sensor Networks. , 0, , .		1
102	Fair and energy-aware IoT service composition under QoS constraints. Journal of Supercomputing, 0, , 1.	2.4	4