

Abdelouahid Derhab

List of Publications by Year in descending order

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77
papers

3,220
citations

185998

28
h-index

155451

55
g-index

77
all docs

77
docs citations

77
times ranked

3028
citing authors

#	ARTICLE	IF	CITATIONS
1	Blockchain Technologies for the Internet of Things: Research Issues and Challenges. IEEE Internet of Things Journal, 2019, 6, 2188-2204.	5.5	480
2	Deep learning approaches for anomaly-based intrusion detection systems: A survey, taxonomy, and open issues. Knowledge-Based Systems, 2020, 189, 105124.	4.0	323
3	MalDozer: Automatic framework for android malware detection using deep learning. Digital Investigation, 2018, 24, S48-S59.	3.2	273
4	Security and Privacy for Green IoT-Based Agriculture: Review, Blockchain Solutions, and Challenges. IEEE Access, 2020, 8, 32031-32053.	2.6	223
5	TSDL: A Two-Stage Deep Learning Model for Efficient Network Intrusion Detection. IEEE Access, 2019, 7, 30373-30385.	2.6	220
6	Blockchain and Random Subspace Learning-Based IDS for SDN-Enabled Industrial IoT Security. Sensors, 2019, 19, 3119.	2.1	107
7	A review of privacy-preserving techniques for deep learning. Neurocomputing, 2020, 384, 21-45.	3.5	93
8	Trust models of internet of smart things: A survey, open issues, and future directions. Journal of Network and Computer Applications, 2019, 137, 93-111.	5.8	77
9	Denial of service attack detection and mitigation for internet of things using looking-back-enabled machine learning techniques. Computers and Electrical Engineering, 2022, 98, 107716.	3.0	75
10	An Innovative Optimization Strategy for Efficient Energy Management With Day-Ahead Demand Response Signal and Energy Consumption Forecasting in Smart Grid Using Artificial Neural Network. IEEE Access, 2020, 8, 84415-84433.	2.6	69
11	Intrusion Detection System for Internet of Things Based on Temporal Convolution Neural Network and Efficient Feature Engineering. Wireless Communications and Mobile Computing, 2020, 2020, 1-16.	0.8	60
12	A novel hybrid load forecasting framework with intelligent feature engineering and optimization algorithm in smart grid. Applied Energy, 2021, 299, 117178.	5.1	55
13	Distributed Low-Latency Data Aggregation Scheduling in Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2015, 11, 1-36.	2.3	53
14	Authentication and Authorization for Mobile IoT Devices Using Biofeatures: Recent Advances and Future Trends. Security and Communication Networks, 2019, 2019, 1-20.	1.0	51
15	A Self-Stabilizing Leader Election Algorithm in Highly Dynamic Ad Hoc Mobile Networks. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 926-939.	4.0	50
16	Authentication schemes for smart mobile devices: threat models, countermeasures, and open research issues. Telecommunication Systems, 2020, 73, 317-348.	1.6	44
17	Human-oriented design of secure Machine-to-Machine communication system for e-Healthcare society. Computers in Human Behavior, 2015, 51, 977-985.	5.1	43
18	Toward an optimal solution against Denial of Service attacks in Software Defined Networks. Future Generation Computer Systems, 2019, 92, 444-453.	4.9	43

#	ARTICLE	IF	CITATIONS
19	Detection and Prediction of Diabetes Using Data Mining: A Comprehensive Review. IEEE Access, 2021, 9, 43711-43735.	2.6	39
20	A Blockchain-Based Multi-Mobile Code-Driven Trust Mechanism for Detecting Internal Attacks in Internet of Things. Sensors, 2021, 21, 23.	2.1	38
21	Survey of false data injection in smart power grid: Attacks, countermeasures and challenges. Journal of Information Security and Applications, 2020, 54, 102518.	1.8	36
22	Reliable Path Selection and Opportunistic Routing Protocol for Underwater Wireless Sensor Networks. IEEE Access, 2020, 8, 100346-100364.	2.6	35
23	Design and Investigation of Modern UWB-MIMO Antenna with Optimized Isolation. Micromachines, 2020, 11, 432.	1.4	34
24	A Hybrid Approach for Energy Consumption Forecasting With a New Feature Engineering and Optimization Framework in Smart Grid. IEEE Access, 2020, 8, 96210-96226.	2.6	33
25	Accurate detection of sitting posture activities in a secure IoT based assisted living environment. Future Generation Computer Systems, 2019, 92, 745-757.	4.9	32
26	PetroBlock: A Blockchain-Based Payment Mechanism for Fueling Smart Vehicles. Applied Sciences (Switzerland), 2021, 11, 3055.	1.3	32
27	A Hybrid Linguistic and Knowledge-Based Analysis Approach for Fake News Detection on Social Media. IEEE Access, 2022, 10, 62097-62109.	2.6	31
28	On resilience of Wireless Mesh routing protocol against DoS attacks in IoT-based ambient assisted living applications. , 2015, , .		30
29	VerSAMI: Versatile and Scalable key management for Smart Grid AMI systems. Computer Networks, 2018, 132, 161-179.	3.2	29
30	A Survey of Authentication Schemes in Telecare Medicine Information Systems. Journal of Medical Systems, 2017, 41, 14.	2.2	27
31	A Novel Accurate and Fast Converging Deep Learning-Based Model for Electrical Energy Consumption Forecasting in a Smart Grid. Energies, 2020, 13, 2244.	1.6	24
32	CyberSecurity Attack Prediction: A Deep Learning Approach. , 2020, , .		24
33	A pull-based service replication protocol in mobile ad hoc networks. European Transactions on Telecommunications, 2007, 18, 1-11.	1.2	23
34	An Energy Balanced Efficient and Reliable Routing Protocol for Underwater Wireless Sensor Networks. IEEE Access, 2019, 7, 175980-175999.	2.6	23
35	Two-Factor Mutual Authentication Offloading for Mobile Cloud Computing. IEEE Access, 2020, 8, 28956-28969.	2.6	23
36	Histogram-Based Intrusion Detection and Filtering Framework for Secure and Safe In-Vehicle Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2366-2379.	4.7	23

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37	Secure sensors data acquisition and communication protection in eHealthcare: Review on the state of the art. <i>Telematics and Informatics</i> , 2018, 35, 702-726.	3.5	18
38	Reducing the effects of DoS attacks in software defined networks using parallel flow installation. <i>Human-centric Computing and Information Sciences</i> , 2019, 9, .	6.1	18
39	BMC-SDN: Blockchain-Based Multicontroller Architecture for Secure Software-Defined Networks. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-12.	0.8	18
40	Tweet-Based Bot Detection Using Big Data Analytics. <i>IEEE Access</i> , 2021, 9, 65988-66005.	2.6	17
41	Fortifying Intrusion Detection Systems in Dynamic Ad Hoc and Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2014, 10, 608162.	1.3	16
42	Cypider. , 2016, , .		16
43	A Survey on Multi-Agent Based Collaborative Intrusion Detection Systems. <i>Journal of Artificial Intelligence and Soft Computing Research</i> , 2021, 11, 111-142.	3.5	16
44	Cost-Effective Encryption-Based Autonomous Routing Protocol for Efficient and Secure Wireless Sensor Networks. <i>Sensors</i> , 2016, 16, 460.	2.1	15
45	DOW-PR DOLphin and Whale Pods Routing Protocol for Underwater Wireless Sensor Networks (UWSNs). <i>Sensors</i> , 2018, 18, 1529.	2.1	15
46	Adaptive hop-by-hop cone vector-based forwarding protocol for underwater wireless sensor networks. <i>International Journal of Distributed Sensor Networks</i> , 2020, 16, 155014772095830.	1.3	15
47	Formal Analysis of Language-Based Android Security Using Theorem Proving Approach. <i>IEEE Access</i> , 2019, 7, 16550-16560.	2.6	12
48	Secure transfer of environmental data to enhance human decision accuracy. <i>Computers in Human Behavior</i> , 2015, 51, 632-639.	5.1	11
49	Analyzing ant colony optimization based routing protocol against the hole problem for enhancing user's connectivity experience. <i>Computers in Human Behavior</i> , 2015, 51, 1340-1350.	5.1	11
50	Context-oriented trust computation model for industrial Internet of Things. <i>Computers and Electrical Engineering</i> , 2021, 92, 107123.	3.0	11
51	MACoMal: A Multi-Agent Based Collaborative Mechanism for Anti-Malware Assistance. <i>IEEE Access</i> , 2020, 8, 14329-14343.	2.6	10
52	Balancing the tradeoffs between scalability and availability in mobile ad hoc networks with a flat hashing-based location service. <i>Ad Hoc Networks</i> , 2008, 6, 1013-1030.	3.4	9
53	Multivariate correlation analysis and geometric linear similarity for real-time intrusion detection systems. <i>Security and Communication Networks</i> , 2015, 8, 1193-1212.	1.0	9
54	A Critical Analysis of Mobility Management Related Issues of Wireless Sensor Networks in Cyber Physical Systems. <i>IEEE Access</i> , 2018, 6, 16363-16376.	2.6	9

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55	TriDroid: a triage and classification framework for fast detection of mobile threats in android markets. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 1731-1755.	3.3	9
56	Analysis of Denial of Service Impact on Data Routing in Mobile eHealth Wireless Mesh Network. <i>Mobile Information Systems</i> , 2016, 2016, 1-19.	0.4	8
57	Efficient and privacy-aware multi-party classification protocol for human activity recognition. <i>Journal of Network and Computer Applications</i> , 2017, 98, 84-96.	5.8	8
58	An Efficient Routing Protocol Based on Stretched Holding Time Difference for Underwater Wireless Sensor Networks. <i>Sensors</i> , 2019, 19, 5557.	2.1	8
59	Closed-Loop Elastic Demand Control under Dynamic Pricing Program in Smart Microgrid Using Super Twisting Sliding Mode Controller. <i>Sensors</i> , 2020, 20, 4376.	2.1	8
60	A comprehensive security analysis of LEACH++ clustering protocol for wireless sensor networks. <i>Journal of Supercomputing</i> , 2019, 75, 2221-2242.	2.4	7
61	MMSMAC: A Multi-mode Medium Access Control Protocol for Wireless Sensor Networks with Latency and Energy-Awareness. <i>Wireless Personal Communications</i> , 2017, 96, 4973-5010.	1.8	6
62	Two-Hop Monitoring Mechanism Based on Relaxed Flow Conservation Constraints against Selective Routing Attacks in Wireless Sensor Networks. <i>Sensors</i> , 2020, 20, 6106.	2.1	6
63	A Review of Secure Routing Approaches for Current and Next-Generation Wireless Multimedia Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2015, 2015, 1-22.	1.3	6
64	Scalable and robust unsupervised Android malware fingerprinting using community-based network partitioning. <i>Computers and Security</i> , 2020, 96, 101932.	4.0	5
65	Secure Key Distribution Using Fragmentation and Assimilation in Wireless Sensor and Actor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2015, 11, 542856.	1.3	5
66	Intertwined path formation and MAC scheduling for fast delivery of aggregated data in WSN. <i>Computer Networks</i> , 2014, 75, 331-350.	3.2	4
67	Privacy-preserving deep learning for pervasive health monitoring: a study of environment requirements and existing solutions adequacy. <i>Health and Technology</i> , 2022, 12, 285-304.	2.1	4
68	Wireless and mobile sensing technologies for the future Internet. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2017, 72, 117-118.	1.6	3
69	Enabling ad-hoc collaboration between mobile users in the $\{M\}$ project. <i>Cluster Computing</i> , 2007, 10, 67-79.	3.5	2
70	Self-stabilizing algorithm for high service availability in spite of concurrent topology changes in ad hoc mobile networks. <i>Journal of Parallel and Distributed Computing</i> , 2008, 68, 752-768.	2.7	2
71	Privacy-preserving remote deep-learning-based inference under constrained client-side environment. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 553-566.	3.3	2
72	SMART: Secure Multi-pAths Routing for wireless sensor neTworks. <i>Lecture Notes in Computer Science</i> , 2014, , 332-345.	1.0	1

#	ARTICLE	IF	CITATIONS
73	Leveraging adjusted user behavior in the detection and prevention of outgoing malicious SMSs in Android devices. Computers in Human Behavior, 2016, 59, 9-17.	5.1	1
74	Preventive Policy Enforcement with Minimum User Intervention Against SMS Malware in Android Devices. Arabian Journal for Science and Engineering, 2016, 41, 479-493.	1.1	1
75	Stacked Microstrip Array Antenna with Fractal Patches for Satellite Applications. , 2018, , .		1
76	CoCEC: An Automatic Combinational Circuit Equivalence Checker Based on the Interactive Theorem Prover. Complexity, 2021, 2021, 1-12.	0.9	1
77	PReDIHERO “ Privacy-Preserving Remote Deep Learning Inference based on Homomorphic Encryption and Reversible Obfuscation for Enhanced Client-side Overhead in Pervasive Health Monitoring. , 2021, , .		1