

Abdelouahid Derhab

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5505439/publications.pdf>

Version: 2024-02-01

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	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
2	Histogram-Based Intrusion Detection and Filtering Framework for Secure and Safe In-Vehicle Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 2366-2379.	4.7	23
3	Denial of service attack detection and mitigation for internet of things using looking-back-enabled machine learning techniques. <i>Computers and Electrical Engineering</i> , 2022, 98, 107716.	3.0	75
4	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
5	A Hybrid Linguistic and Knowledge-Based Analysis Approach for Fake News Detection on Social Media. <i>IEEE Access</i> , 2022, 10, 62097-62109.	2.6	31
6	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
7	Tweet-Based Bot Detection Using Big Data Analytics. <i>IEEE Access</i> , 2021, 9, 65988-66005.	2.6	17
8	Detection and Prediction of Diabetes Using Data Mining: A Comprehensive Review. <i>IEEE Access</i> , 2021, 9, 43711-43735.	2.6	39
9	PetroBlock: A Blockchain-Based Payment Mechanism for Fueling Smart Vehicles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3055.	1.3	32
10	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
11	CoCEC: An Automatic Combinational Circuit Equivalence Checker Based on the Interactive Theorem Prover. <i>Complexity</i> , 2021, 2021, 1-12.	0.9	1
12	Context-oriented trust computation model for industrial Internet of Things. <i>Computers and Electrical Engineering</i> , 2021, 92, 107123.	3.0	11
13	A novel hybrid load forecasting framework with intelligent feature engineering and optimization algorithm in smart grid. <i>Applied Energy</i> , 2021, 299, 117178.	5.1	55
14	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
15	A Blockchain-Based Multi-Mobile Code-Driven Trust Mechanism for Detecting Internal Attacks in Internet of Things. <i>Sensors</i> , 2021, 21, 23.	2.1	38
16	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
17	Deep learning approaches for anomaly-based intrusion detection systems: A survey, taxonomy, and open issues. <i>Knowledge-Based Systems</i> , 2020, 189, 105124.	4.0	323
18	Authentication schemes for smart mobile devices: threat models, countermeasures, and open research issues. <i>Telecommunication Systems</i> , 2020, 73, 317-348.	1.6	44

#	ARTICLE	IF	CITATIONS
19	A review of privacy-preserving techniques for deep learning. <i>Neurocomputing</i> , 2020, 384, 21-45.	3.5	93
20	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
21	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
22	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
23	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. <i>IEEE Access</i> , 2020, 8, 84415-84433.	2.6	69
24	A Novel Accurate and Fast Converging Deep Learning-Based Model for Electrical Energy Consumption Forecasting in a Smart Grid. <i>Energies</i> , 2020, 13, 2244.	1.6	24
25	Scalable and robust unsupervised Android malware fingerprinting using community-based network partitioning. <i>Computers and Security</i> , 2020, 96, 101932.	4.0	5
26	Reliable Path Selection and Opportunistic Routing Protocol for Underwater Wireless Sensor Networks. <i>IEEE Access</i> , 2020, 8, 100346-100364.	2.6	35
27	Survey of false data injection in smart power grid: Attacks, countermeasures and challenges. <i>Journal of Information Security and Applications</i> , 2020, 54, 102518.	1.8	36
28	Two-Factor Mutual Authentication Offloading for Mobile Cloud Computing. <i>IEEE Access</i> , 2020, 8, 28956-28969.	2.6	23
29	MACoMal: A Multi-Agent Based Collaborative Mechanism for Anti-Malware Assistance. <i>IEEE Access</i> , 2020, 8, 14329-14343.	2.6	10
30	A Hybrid Approach for Energy Consumption Forecasting With a New Feature Engineering and Optimization Framework in Smart Grid. <i>IEEE Access</i> , 2020, 8, 96210-96226.	2.6	33
31	Security and Privacy for Green IoT-Based Agriculture: Review, Blockchain Solutions, and Challenges. <i>IEEE Access</i> , 2020, 8, 32031-32053.	2.6	223
32	Design and Investigation of Modern UWB-MIMO Antenna with Optimized Isolation. <i>Micromachines</i> , 2020, 11, 432.	1.4	34
33	CyberSecurity Attack Prediction: A Deep Learning Approach. , 2020, , .		24
34	Intrusion Detection System for Internet of Things Based on Temporal Convolution Neural Network and Efficient Feature Engineering. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-16.	0.8	60
35	Blockchain and Random Subspace Learning-Based IDS for SDN-Enabled Industrial IoT Security. <i>Sensors</i> , 2019, 19, 3119.	2.1	107
36	Authentication and Authorization for Mobile IoT Devices Using Biofeatures: Recent Advances and Future Trends. <i>Security and Communication Networks</i> , 2019, 2019, 1-20.	1.0	51

#	ARTICLE	IF	CITATIONS
37	Reducing the effects of DoS attacks in software defined networks using parallel flow installation. Human-centric Computing and Information Sciences, 2019, 9, .	6.1	18
38	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
39	Formal Analysis of Language-Based Android Security Using Theorem Proving Approach. IEEE Access, 2019, 7, 16550-16560.	2.6	12
40	TSDL: A Two-Stage Deep Learning Model for Efficient Network Intrusion Detection. IEEE Access, 2019, 7, 30373-30385.	2.6	220
41	An Energy Balanced Efficient and Reliable Routing Protocol for Underwater Wireless Sensor Networks. IEEE Access, 2019, 7, 175980-175999.	2.6	23
42	An Efficient Routing Protocol Based on Stretched Holding Time Difference for Underwater Wireless Sensor Networks. Sensors, 2019, 19, 5557.	2.1	8
43	Toward an optimal solution against Denial of Service attacks in Software Defined Networks. Future Generation Computer Systems, 2019, 92, 444-453.	4.9	43
44	A comprehensive security analysis of LEACH++ clustering protocol for wireless sensor networks. Journal of Supercomputing, 2019, 75, 2221-2242.	2.4	7
45	Blockchain Technologies for the Internet of Things: Research Issues and Challenges. IEEE Internet of Things Journal, 2019, 6, 2188-2204.	5.5	480
46	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
47	A Critical Analysis of Mobility Management Related Issues of Wireless Sensor Networks in Cyber Physical Systems. IEEE Access, 2018, 6, 16363-16376.	2.6	9
48	VerSAMI: Versatile and Scalable key management for Smart Grid AMI systems. Computer Networks, 2018, 132, 161-179.	3.2	29
49	MalDozer: Automatic framework for android malware detection using deep learning. Digital Investigation, 2018, 24, S48-S59.	3.2	273
50	Secure sensors data acquisition and communication protection in eHealthcare: Review on the state of the art. Telematics and Informatics, 2018, 35, 702-726.	3.5	18
51	DOW-PR DOLphin and Whale Pods Routing Protocol for Underwater Wireless Sensor Networks (UWSNs). Sensors, 2018, 18, 1529.	2.1	15
52	Stacked Microstrip Array Antenna with Fractal Patches for Satellite Applications. , 2018, , .		1
53	Wireless and mobile sensing technologies for the future Internet. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 117-118.	1.6	3
54	A Survey of Authentication Schemes in Telecare Medicine Information Systems. Journal of Medical Systems, 2017, 41, 14.	2.2	27

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	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
58	Cost-Effective Encryption-Based Autonomous Routing Protocol for Efficient and Secure Wireless Sensor Networks. <i>Sensors</i> , 2016, 16, 460.	2.1	15
59	Cypider. , 2016, , .		16
60	Leveraging adjusted user behavior in the detection and prevention of outgoing malicious SMSs in Android devices. <i>Computers in Human Behavior</i> , 2016, 59, 9-17.	5.1	1
61	Preventive Policy Enforcement with Minimum User Intervention Against SMS Malware in Android Devices. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 479-493.	1.1	1
62	On resilience of Wireless Mesh routing protocol against DoS attacks in IoT-based ambient assisted living applications. , 2015, , .		30
63	Secure transfer of environmental data to enhance human decision accuracy. <i>Computers in Human Behavior</i> , 2015, 51, 632-639.	5.1	11
64	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
65	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
66	Distributed Low-Latency Data Aggregation Scheduling in Wireless Sensor Networks. <i>ACM Transactions on Sensor Networks</i> , 2015, 11, 1-36.	2.3	53
67	Human-oriented design of secure Machine-to-Machine communication system for e-Healthcare society. <i>Computers in Human Behavior</i> , 2015, 51, 977-985.	5.1	43
68	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
69	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
70	SMART: Secure Multi-paths Routing for wireless sensor networks. <i>Lecture Notes in Computer Science</i> , 2014, , 332-345.	1.0	1
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	Self-stabilizing algorithm for high service availability in spite of concurrent topology changes in ad hoc mobile networks. Journal of Parallel and Distributed Computing, 2008, 68, 752-768.	2.7	2
74	Balancing the tradeoffs between scalability and availability in mobile ad hoc networks with a flat hashing-based location service. Ad Hoc Networks, 2008, 6, 1013-1030.	3.4	9
75	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
76	A pull-based service replication protocol in mobile ad hoc networks. European Transactions on Telecommunications, 2007, 18, 1-11.	1.2	23
77	Enabling ad-hoc collaboration between mobile users in the $\{M\}$ project. Cluster Computing, 2007, 10, 67-79.	3.5	2