M L Mat Kiah

List of Publications by Year
in descending order

93 papers	4,424 citations	109264 35 h-index	110317 64 g-index
102 all docs	102 docs citations	102 times ranked	3867 citing authors

#	Article	IF	Citations
1	A review of smart home applications based on Internet of Things. Journal of Network and Computer Applications, 2017, 97, 48-65.	5.8	419
2	Towards secure mobile cloud computing: A survey. Future Generation Computer Systems, 2013, 29, 1278-1299.	4.9	289
3	On cloud security attacks: A taxonomy and intrusion detection and prevention as a service. Journal of Network and Computer Applications, 2016, 74, 98-120.	5.8	202
4	Adaptive neuro-fuzzy maximal power extraction of wind turbine withÂcontinuously variable transmission. Energy, 2014, 64, 868-874.	4.5	190
5	Evaluation and selection of open-source EMR software packages based on integrated AHP and TOPSIS. Journal of Biomedical Informatics, 2015, 53, 390-404.	2.5	159
6	Cooperative game theoretic approach using fuzzy Q-learning for detecting and preventing intrusions in wireless sensor networks. Engineering Applications of Artificial Intelligence, 2014, 32, 228-241.	4.3	139
7	Multi-criteria analysis for OS-EMR software selection problem: A comparative study. Decision Support Systems, 2015, 78, 15-27.	3.5	116
8	The landscape of research on smartphone medical apps: Coherent taxonomy, motivations, open challenges and recommendations. Computer Methods and Programs in Biomedicine, 2015, 122, 393-408.	2.6	114
9	Support vector regression methodology for wind turbine reaction torque prediction with power-split hydrostatic continuous variable transmission. Energy, 2014, 67, 623-630.	4.5	113
10	An appraisal and design of a multi-agent system based cooperative wireless intrusion detection computational intelligence technique. Engineering Applications of Artificial Intelligence, 2013, 26, 2105-2127.	4.3	109
11	Blockchain Technology the Identity Management and Authentication Service Disruptor: A Survey. International Journal on Advanced Science, Engineering and Information Technology, 2018, 8, 1735-1745.	0.2	101
12	Review on Security of Internet of Things Authentication Mechanism. IEEE Access, 2019, 7, 151054-151089.	2.6	97
13	D-FICCA: A density-based fuzzy imperialist competitive clustering algorithm for intrusion detection in wireless sensor networks. Measurement: Journal of the International Measurement Confederation, 2014, 55, 212-226.	2.5	94
14	Co-FAIS: Cooperative fuzzy artificial immune system for detecting intrusion in wireless sensor networks. Journal of Network and Computer Applications, 2014, 42, 102-117.	5.8	88
15	A security framework for mHealth apps on Android platform. Computers and Security, 2018, 75, 191-217.	4.0	84
16	Forecasting of consumers heat load in district heating systems using the support vector machine with a discrete wavelet transform algorithm. Energy, 2015, 87, 343-351.	4.5	83
17	Routing protocol design for secure WSN: Review and open research issues. Journal of Network and Computer Applications, 2014, 41, 517-530.	5.8	82
18	Incremental proxy re-encryption scheme for mobile cloud computing environment. Journal of Supercomputing, 2014, 68, 624-651.	2.4	79

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19	A distributed framework for health information exchange using smartphone technologies. Journal of Biomedical Informatics, 2017, 69, 230-250.	2.5	73
20	A Security Framework for Nationwide Health Information Exchange based on Telehealth Strategy. Journal of Medical Systems, 2015, 39, 51.	2.2	67
21	Open source EMR software: Profiling, insights and hands-on analysis. Computer Methods and Programs in Biomedicine, 2014, 117, 360-382.	2.6	66
22	Decreasing environmental impacts of cropping systems using life cycle assessment (LCA) and multi-objective genetic algorithm. Journal of Cleaner Production, 2015, 86, 67-77.	4.6	66
23	Towards Secure FinTech: A Survey, Taxonomy, and Open Research Challenges. IEEE Access, 2020, 8, 23391-23406.	2.6	64
24	A Novel Embedding Method to Increase Capacity and Robustness of Low-bit Encoding Audio Steganography Technique Using Noise Gate Software Logic Algorithm. Journal of Applied Sciences, 2009, 10, 59-64.	0.1	63
25	The rise of keyloggers on smartphones: A survey and insight into motion-based tap inference attacks. Pervasive and Mobile Computing, 2016, 25, 1-25.	2.1	59
26	Design and Develop a Video Conferencing Framework for Real-Time Telemedicine Applications Using Secure Group-Based Communication Architecture. Journal of Medical Systems, 2014, 38, 133.	2.2	58
27	Comprehensive review and analysis of anti-malware apps for smartphones. Telecommunication Systems, 2019, 72, 285-337.	1.6	57
28	Impact of Data Privacy and Confidentiality on Developing Telemedicine Applications: A Review Participates Opinion and Expert Concerns. International Journal of Pharmacology, 2011, 7, 382-387.	0.1	56
29	A systematic review of approaches to assessing cybersecurity awareness. Kybernetes, 2015, 44, 606-622.	1.2	53
30	An Enhanced Security Solution for Electronic Medical Records Based on AES Hybrid Technique with SOAP/XML and SHA-1. Journal of Medical Systems, 2013, 37, 9971.	2.2	52
31	BSS: block-based sharing scheme for secure data storage services in mobile cloud environment. Journal of Supercomputing, 2014, 70, 946-976.	2.4	52
32	Meeting the Security Requirements of Electronic Medical Records in the ERA of High-Speed Computing. Journal of Medical Systems, 2015, 39, 165.	2.2	49
33	Enhanced dynamic credential generation scheme for protection of user identity in mobile-cloud computing. Journal of Supercomputing, 2013, 66, 1687-1706.	2.4	44
34	Suitability of Using SOAP Protocol to Secure Electronic Medical Record Databases Transmission. International Journal of Pharmacology, 2010, 6, 959-964.	0.1	42
35	Survey of secure multipath routing protocols for WSNs. Journal of Network and Computer Applications, 2015, 55, 123-153.	5.8	35
36	Sensorless estimation of wind speed by adaptive neuro-fuzzy methodology. International Journal of Electrical Power and Energy Systems, 2014, 62, 490-495.	3.3	34

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37	Tuberculosis Disease Diagnosis Using Artificial Immune Recognition System. International Journal of Medical Sciences, 2014, 11, 508-514.	1.1	34
38	Adaptive neuro-fuzzy estimation of optimal lens system parameters. Optics and Lasers in Engineering, 2014, 55, 84-93.	2.0	33
39	Secure Topology for Electronic Medical Record Transmissions. International Journal of Pharmacology, 2010, 6, 954-958.	0.1	33
40	Adaptive neuro-fuzzy optimization of wind farm project net profit. Energy Conversion and Management, 2014, 80, 229-237.	4.4	30
41	MIRASS: Medical Informatics Research Activity Support System Using Information Mashup Network. Journal of Medical Systems, 2014, 38, 37.	2.2	28
42	Adaptive neuro-fuzzy prediction of grasping object weight for passively compliant gripper. Applied Soft Computing Journal, 2014, 22, 424-431.	4.1	27
43	Real-time-based E-health systems: design and implementation of a lightweight key management protocol for securing sensitive information of patients. Health and Technology, 2019, 9, 93-111.	2.1	26
44	A cooperative expert based support vector regression (Co-ESVR) system to determine collar dimensions around bridge pier. Neurocomputing, 2014, 140, 172-184.	3.5	25
45	A Cloud-Manager-Based Re-Encryption Scheme for Mobile Users in Cloud Environment: a Hybrid Approach. Journal of Grid Computing, 2015, 13, 651-675.	2.5	25
46	Soft-Computing Methodologies for Precipitation Estimation: A Case Study. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 1353-1358.	2.3	24
47	Modeling Traffic Congestion Based on Air Quality for Greener Environment: An Empirical Study. IEEE Access, 2019, 7, 57100-57119.	2.6	23
48	Machine learning-based offline signature verification systems: A systematic review. Signal Processing: Image Communication, 2021, 93, 116139.	1.8	23
49	Host Mobility Protocol for Secure Group Communication in Wireless Mobile Environments. , 2007, , .		22
50	High Rate Video Streaming Steganography. , 2009, , .		22
51	BYOD Policy Compliance: Risks and Strategies in Organizations. Journal of Computer Information Systems, 2022, 62, 61-72.	2.0	22
52	Toward secure group communication in wireless mobile environments: Issues, solutions, and challenges. Journal of Network and Computer Applications, 2015, 50, 1-14.	5.8	21
53	Appraisal of adaptive neuro-fuzzy computing technique for estimating anti-obesity properties of a medicinal plant. Computer Methods and Programs in Biomedicine, 2015, 118, 69-76.	2.6	21
54	Capacity and Frequency Optimization of Wireless Backhaul Network Using Traffic Forecasting. IEEE Access, 2020, 8, 23264-23276.	2.6	20

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55	Service delivery models of cloud computing: security issues and open challenges. Security and Communication Networks, 2016, 9, 4726-4750.	1.0	18
56	Compliance with bring your own device security policies in organizations: A systematic literature review. Computers and Security, 2020, 98, 101998.	4.0	18
57	Robust Pornography Classification Solving the Image Size Variation Problem Based on Multi-Agent Learning. Journal of Circuits, Systems and Computers, 2015, 24, 1550023.	1.0	17
58	A systematic review of PIN-entry methods resistant to shoulder-surfing attacks. Computers and Security, 2021, 101, 102116.	4.0	17
59	Suitability of adopting S/MIME and OpenPGP email messages protocol to secure electronic medical records. , 2013, , .		16
60	A study of incremental cryptography for security schemes in mobile cloud computing environments. , 2013, , .		13
61	Co-FQL: Anomaly detection using cooperative fuzzy Q-learning in network. Journal of Intelligent and Fuzzy Systems, 2015, 28, 1345-1357.	0.8	13
62	EDoS eye: A game theoretic approach to mitigate economic denial of sustainability attack in cloud computing. , 2017, , .		13
63	Key management paradigm for mobile secure group communications: Issues, solutions, and challenges. Computer Communications, 2015, 72, 1-16.	3.1	12
64	Economic denial of sustainability (EDoS) mitigation approaches in cloud: Analysis and open challenges. , 2017, , .		12
65	RAIRS2 a new expert system for diagnosing tuberculosis with real-world tournament selection mechanism inside artificial immune recognition system. Medical and Biological Engineering and Computing, 2016, 54, 385-399.	1.6	11
66	A systematic review on sensor-based driver behaviour studies: coherent taxonomy, motivations, challenges, recommendations, substantial analysis and future directions. PeerJ Computer Science, 2021, 7, e632.	2.7	11
67	Potential of support vector regression for optimization of lens system. CAD Computer Aided Design, 2015, 62, 57-63.	1.4	10
68	Authenticated Encryption Schemes: A Systematic Review. IEEE Access, 2022, 10, 14739-14766.	2.6	10
69	Increased capacity of image based steganography using artificial neural network. , 2012, , .		9
70	Host mobility key management in dynamic secure group communication. Wireless Networks, 2018, 24, 3009-3027.	2.0	9
71	Calculation of optimal induction heater capacitance based on the smart bacterial foraging algorithm. International Journal of Electrical Power and Energy Systems, 2014, 61, 326-334.	3.3	6
72	DM-GKM: A key management scheme for dynamic group based applications. Computer Networks, 2020, 182, 107476.	3.2	6

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73	A review of dynamic and intelligent honeypots. ScienceAsia, 2013, 39S, 1.	0.2	6
74	High Rate Video Streaming Steganography. , 2009, , .		5
75	A more secure and scalable routing protocol for mobile ad hoc networks. Security and Communication Networks, 2013, 6, 286-308.	1.0	5
76	Modulation transfer function estimation of optical lens system by adaptive neuro-fuzzy methodology. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2014, 117, 121-131.	0.2	5
77	User Profiling in Anomaly Detection of Authorization Logs. Lecture Notes in Electrical Engineering, 2019, , 59-65.	0.3	5
78	Security Issues and Future Challenges of Cloud Service Authentication. Acta Polytechnica Hungarica, 2017, 14, .	2.5	5
79	ENHANCEMENT OF CYBERSECURITY AWARENESS PROGRAM ON PERSONAL DATA PROTECTION AMONG YOUNGSTERS IN MALAYSIA: AN ASSESSMENT. Malaysian Journal of Computer Science, 2019, 32, 221-245.	0.5	5
80	Comparative study of congestion notification techniques for hopâ€byâ€hopâ€based flow control in data centre Ethernet. IET Networks, 2018, 7, 248-257.	1.1	4
81	Performance Evaluation and Validation of QCM (Query Control Mechanism) for QoS-Enabled Layered-Based Clustering for Reactive Flooding in the Internet of Things. Sensors, 2020, 20, 283.	2.1	4
82	Game Theory Analysis and Modeling of Sophisticated Multi-Collusion Attack in MANETs. IEEE Access, 2021, 9, 61778-61792.	2.6	4
83	Investigating the Effect of Social and Cultural Factors on Drivers in Malaysia: A Naturalistic Driving Study. International Journal of Environmental Research and Public Health, 2021, 18, 11740.	1.2	4
84	BYOD Security Risks and Mitigation Strategies: Insights from IT Security Experts. Journal of Organizational Computing and Electronic Commerce, 2021, 31, 320-342.	1.0	4
85	QoS Enabled Layered Based Clustering for Reactive Flooding in the Internet of Things. Symmetry, 2019, 11, 634.	1.1	3
86	A Frictionless and Secure User Authentication in Web-Based Premium Applications. IEEE Access, 2021, 9, 129240-129255.	2.6	3
87	A Scalable Secure Routing Protocol for MANETs. , 2009, , .		2
88	Information System Audit for Mobile Device Security Assessment. , 2021, , .		2
89	Wireless Backhaul Network Optimization Using Automated KPIs Monitoring System Based on Time Series Forecasting. , 2018, , .		1
90	A Dynamic Threshold Calculation for Congestion Notification in IEEE 802.1Qbb. IEEE Communications Letters, 2020, 24, 744-747.	2.5	1

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91	Parallel Sponge-Based Authenticated Encryption With Side-Channel Protection and Adversary-Invisible Nonces. IEEE Access, 2022, 10, 50819-50838.	2.6	1
92	New Schema for Admission Control in WIMAX Relay Station Mesh Network for Mobile Stations out of Coverage Using Ad-Hoc. , 2009, , .		0
93	Wireless backhaul network's capacity optimization using time series forecasting approach. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 1407-1418.	3.3	0