Ali Ismail Awad

List of Publications by Year
in descending order

43 papers	1,451 citations	567144 15 h-index	377752 34 g-index
46 all docs	46 docs citations	46 times ranked	1186 citing authors

#	ARTICLE	IF	CITATIONS
1	Cyber and Physical Security Vulnerability Assessment for IoT-Based Smart Homes. Sensors, 2018, 18, 817.	2.1	219
2	Intrusion detection systems for IoT-based smart environments: a survey. Journal of Cloud Computing: Advances, Systems and Applications, 2018, 7, .	2.1	212
3	A review on brain tumor diagnosis from MRI images: Practical implications, key achievements, and lessons learned. Magnetic Resonance Imaging, 2019, 61, 300-318.	1.0	173
4	From classical methods to animal biometrics: A review on cattle identification and tracking. Computers and Electronics in Agriculture, 2016, 123, 423-435.	3.7	105
5	Two-phase multi-model automatic brain tumour diagnosis system from magnetic resonance images using convolutional neural networks. Eurasip Journal on Image and Video Processing, 2018, 2018, .	1.7	91
6	A Novel Image Steganography Method for Industrial Internet of Things Security. IEEE Transactions on Industrial Informatics, 2021, 17, 7743-7751.	7.2	67
7	An Adaptive Image Steganography Method Based on Histogram of Oriented Gradient and PVD-LSB Techniques. IEEE Access, 2019, 7, 185189-185204.	2.6	53
8	Authentication and Identity Management of IoHT Devices: Achievements, Challenges, and Future Directions. Computers and Security, 2021, 111, 102491.	4.0	49
9	Design and implementation of a computer-aided diagnosis system for brain tumor classification. , 2016, , .		44
10	A Cattle Identification Approach Using Live Captured Muzzle Print Images. Communications in Computer and Information Science, 2013, , 143-152.	0.4	33
11	Classification of Brain Tumor MRIs Using a Kernel Support Vector Machine. Communications in Computer and Information Science, 2016, , 151-160.	0.4	24
12	Urban Transition in the Era of the Internet of Things: Social Implications and Privacy Challenges. IEEE Access, 2018, 6, 36428-36440.	2.6	22
13	Systematic survey of advanced metering infrastructure security: Vulnerabilities, attacks, countermeasures, and future vision. Future Generation Computer Systems, 2022, 136, 358-377.	4.9	22
14	PAIRED: An Explainable Lightweight Android Malware Detection System. IEEE Access, 2022, 10, 73214-73228.	2.6	21
15	Bag-of-Visual-Words for Cattle Identification from Muzzle Print Images. Applied Sciences (Switzerland), 2019, 9, 4914.	1.3	20
16	Detection and Description of Image Features: An Introduction. Studies in Computational Intelligence, 2016, , 1-8.	0.7	19
17	Special issue on security of IoT-enabled infrastructures in smart cities. Ad Hoc Networks, 2019, 92, 101850.	3.4	16
18	Biometrics Applications in e-Health Security: A Preliminary Survey. Lecture Notes in Computer Science, 2015, , 92-103.	1.0	15

#	Article	IF	Citations
19	Machine Learning Techniques for Fingerprint Identification: A Short Review. Communications in Computer and Information Science, 2012, , 524-531.	0.4	14
20	Advanced Encryption Standard Algorithm: Issues and Implementation Aspects. Communications in Computer and Information Science, 2012, , 516-523.	0.4	13
21	Evaluation of a Fingerprint Identification Algorithm with SIFT Features. , 2012, , .		12
22	AdStop: Efficient flow-based mobile adware detection using machine learning. Computers and Security, 2022, 117, 102718.	4.0	11
23	Security risk assessment within hybrid data centers: A case study of delay sensitive applications. Journal of Information Security and Applications, 2018, 43, 61-72.	1.8	10
24	TPUAR-Net: Two Parallel U-Net with Asymmetric Residual-Based Deep Convolutional Neural Network for Brain Tumor Segmentation. Lecture Notes in Computer Science, 2019, , 106-116.	1.0	8
25	Impact of Some Biometric Modalities on Forensic Science. Studies in Computational Intelligence, 2014, , 47-62.	0.7	8
26	Evaluation of Acceleration Algorithm for Biometric Identification. Communications in Computer and Information Science, 2012, , 231-242.	0.4	7
27	Multi-Mobile Agent Trust Framework for Mitigating Internal Attacks and Augmenting RPL Security. Sensors, 2022, 22, 4539.	2.1	7
28	Parallel Deep CNN Structure for Glioma Detection and Classification via Brain MRI Images. , 2019, , .		6
29	Deep Convolutional Neural Networks. , 2020, , 233-260.		6
30	Fast Fingerprint Orientation Field Estimation Incorporating General Purpose GPU. Advances in Intelligent Systems and Computing, 2016, , 891-902.	0.5	4
31	Outlook on Security and Privacy in IoHT: Key Challenges and Future Vision. Advances in Intelligent Systems and Computing, 2020, , 721-730.	0.5	4
32	Toward online education for fingerprint recognition: A proof-of-concept web platform. Information Security Journal, 2017, 26, 186-197.	1.3	3
33	A Guiding Framework for Vetting the Internet of Things. Journal of Information Security and Applications, 2020, 55, 102644.	1.8	3
34	Business and Government Organizations' Adoption of Cloud Computing. Lecture Notes in Computer Science, 2014, , 492-501.	1.0	2
35	Conceptual Model of Online Pedagogical Information Security Laboratory: Toward an Ensemble Artifact. , 2015, , .		2
36	Flow-based features for a robust intrusion detection system targeting mobile traffic. , 2016, , .		2

#	Article	IF	Citations
37	Toward highly reliable network traffic traces. , 2013, , .		1
38	Towards smooth organisational adoption of cloud computing â€" a customer-provider security adaptation. Computer Fraud and Security, 2016, 2016, 7-15.	1.3	1
39	Network Architectures, Security, andÂApplications: An Introduction. Advances in Intelligent Systems and Computing, 2017, , 1-10.	0.5	1
40	An Application for Singular Point Location in Fingerprint Classification. Communications in Computer and Information Science, 2011, , 262-276.	0.4	1
41	Optimized hardware implementation of the advanced encryption standard algorithm. , 2013, , .		0
42	Editorial on Innovative Network Systems and Applications together with the Conference on Information Systems Innovations for Community Services. Concurrency Computation Practice and Experience, 2020, 32, e5698.	1.4	0
43	FingRF: A Generalized Fingerprints Research Framework. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 1-6.	0.2	0