

Saad M Darwish

List of Publications by Year in descending order

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89
papers

558
citations

758635

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docs citations

99
times ranked

449
citing authors

#	ARTICLE	IF	CITATIONS
1	3D-MRI Brain Tumor Detection Model Using Modified Version of Level Set Segmentation Based on Dragonfly Algorithm. <i>Symmetry</i> , 2020, 12, 1256.	1.1	40
2	Multi-level fuzzy contourlet-based image fusion for medical applications. <i>IET Image Processing</i> , 2013, 7, 694-700.	1.4	33
3	A modified image selective encryption-compression technique based on 3D chaotic maps and arithmetic coding. <i>Multimedia Tools and Applications</i> , 2019, 78, 19229-19252.	2.6	25
4	Towards Designing a Trusted Routing Scheme in Wireless Sensor Networks: A New Deep Blockchain Approach. <i>IEEE Access</i> , 2021, 9, 103822-103834.	2.6	22
5	Dual Watermarking for Color Images: A New Image Copyright Protection Model based on the Fusion of Successive and Segmented Watermarking. <i>Multimedia Tools and Applications</i> , 2020, 79, 6503-6530.	2.6	20
6	Towards a Secure Signature Scheme Based on Multimodal Biometric Technology: Application for IOT Blockchain Network. <i>Symmetry</i> , 2020, 12, 1699.	1.1	18
7	Combining firefly algorithm and Bayesian classifier: new direction for automatic multilabel image annotation. <i>IET Image Processing</i> , 2016, 10, 763-772.	1.4	17
8	An Enhanced Blockchain-Based IoT Digital Forensics Architecture Using Fuzzy Hash. <i>IEEE Access</i> , 2021, 9, 151327-151336.	2.6	16
9	Soft computing applied to the build of textile defects inspection system. <i>IET Computer Vision</i> , 2013, 7, 373-381.	1.3	15
10	A bio-inspired credit card fraud detection model based on user behavior analysis suitable for business management in electronic banking. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 4873-4887.	3.3	15
11	Design of a robust and secure digital signature scheme for image authentication over wireless channels. <i>IET Information Security</i> , 2009, 3, 1-8.	1.1	13
12	An adaptive cellular automata scheme for diagnosis of fault tolerance and connectivity preserving in wireless sensor networks. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 4267-4275.	3.4	13
13	An intelligent credit card fraud detection approach based on semantic fusion of two classifiers. <i>Soft Computing</i> , 2020, 24, 1243-1253.	2.1	13
14	Stealthy code obfuscation technique for software security. , 2010, , .		11
15	Design of adaptive biometric gait recognition algorithm with free walking directions. <i>IET Biometrics</i> , 2017, 6, 53-60.	1.6	11
16	Empowering vehicle tracking in a cluttered environment with adaptive cellular automata suitable to intelligent transportation systems. <i>IET Intelligent Transport Systems</i> , 2017, 11, 84-91.	1.7	10
17	Modified fuzzy sentiment analysis approach based on user ranking suitable for online social networks. <i>IET Software</i> , 2020, 14, 300-307.	1.5	10
18	An Enhanced Offline Printed Arabic OCR Model Based on Bio-Inspired Fuzzy Classifier. <i>IEEE Access</i> , 2020, 8, 117770-117781.	2.6	10

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19	Dynamic Cost Ant Colony Algorithm to Optimize Query for Distributed Database Based on Quantum-Inspired Approach. <i>Symmetry</i> , 2021, 13, 70.	1.1	10
20	A robust and secure scheme for image transmission over wireless channels. , 2008, , .		9
21	Application of fuzzy logic and genetic algorithm in biometric text-independent writer identification. <i>IET Information Security</i> , 2011, 5, 1.	1.1	9
22	A model to authenticate requests for online banking transactions. <i>AEJ - Alexandria Engineering Journal</i> , 2012, 51, 185-191.	3.4	9
23	Application of Cloud Model in Qualitative Forecasting for Stock Market Trends. <i>Entropy</i> , 2020, 22, 991.	1.1	9
24	Predicting Stock Market Trends for Japanese Candlestick Using Cloud Model. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 628-645.	0.5	9
25	Metaheuristic-based vector quantization approach: a new paradigm for neural network-based video compression. <i>Multimedia Tools and Applications</i> , 2021, 80, 7367-7396.	2.6	8
26	Building an expert system for printer forensics: A new printer identification model based on niching genetic algorithm. <i>Expert Systems</i> , 2021, 38, e12624.	2.9	8
27	Uncertain measurement for student performance evaluation based on selection of boosted fuzzy rules. <i>IET Science, Measurement and Technology</i> , 2017, 11, 213-219.	0.9	7
28	Game Theory Based Solver for Dynamic Vehicle Routing Problem. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 133-142.	0.5	7
29	Automated Essay Evaluation Based on Fusion of Fuzzy Ontology and Latent Semantic Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 566-575.	0.5	7
30	Improving Uncertainty in Chain of Custody for Image Forensics Investigation Applications. <i>IEEE Access</i> , 2022, 10, 14669-14679.	2.6	7
31	A Procedure for Tracing Chain of Custody in Digital Image Forensics: A Paradigm Based on Grey Hash and Blockchain. <i>Symmetry</i> , 2022, 14, 334.	1.1	7
32	Reliable wireless error correction technique for secure image transmission. , 2009, , .		6
33	Secure image compression approach based on fusion of 3D chaotic maps and arithmetic coding. <i>IET Signal Processing</i> , 2019, 13, 286-295.	0.9	6
34	Optimal Shortest Path in Mobile Ad-Hoc Network Based on Fruit Fly Optimization Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 91-101.	0.5	6
35	QIACO: A Quantum Dynamic Cost Ant System for Query Optimization in Distributed Database. <i>IEEE Access</i> , 2021, 9, 15833-15846.	2.6	6
36	A Meta-Heuristic Automatic CNN Architecture Design Approach Based on Ensemble Learning. <i>IEEE Access</i> , 2021, 9, 16975-16987.	2.6	6

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37	Software test quality rating: A paradigm shift in swarm computing for software certification. Knowledge-Based Systems, 2016, 110, 167-175.	4.0	5
38	An Optimized Dual Watermarking Scheme for Color Images. , 2018, , .		5
39	Quantumâ€inspired genetic programming model with application to predict toxicity degree for chemical compounds. Expert Systems, 2019, 36, e12415.	2.9	5
40	A New Descriptor for Smile Classification Based on Cascade Classifier in Unconstrained Scenarios. Symmetry, 2021, 13, 805.	1.1	5
41	Quantum Game Application to Recovery Problem in Mobile Database. Symmetry, 2021, 13, 1984.	1.1	5
42	Intrusion detection in role administrated database: Transaction-based approach. , 2013, , .		4
43	An intelligent database proactive cache replacement policy for mobile communication system based on genetic programming. International Journal of Communication Systems, 2018, 31, e3536.	1.6	4
44	Enhancing the Automation of GUI Testing. , 2019, , .		4
45	Feature extraction of finger-vein patterns based on boosting evolutionary algorithm and its application for IoT identity and access management. Multimedia Tools and Applications, 2021, 80, 14829-14851.	2.6	4
46	Nature-Inspired Level Set Segmentation Model for 3D-MRI Brain Tumor Detection. Computers, Materials and Continua, 2021, 68, 961-981.	1.5	4
47	Clustering Big Data Based on Distributed Fuzzy K-Medoids: An Application to Geospatial Informatics. IEEE Access, 2022, 10, 20926-20936.	2.6	4
48	New system to fingerprint extensible markup language documents using winnowing theory. IET Signal Processing, 2012, 6, 348.	0.9	3
49	Automated textile defects recognition system using computer vision and interval type-2 fuzzy logic. , 2012, , .		3
50	Man-Machine Interaction System for Subject Independent Sign Language Recognition. , 2017, , .		3
51	Chemometrics approach for the prediction of chemical compoundsâ€™ toxicity degree based on quantum inspired optimization with applications in drug discovery. Chemometrics and Intelligent Laboratory Systems, 2019, 193, 103826.	1.8	3
52	A new colour image copyright protection approach using evolution-based dual watermarking. Journal of Experimental and Theoretical Artificial Intelligence, 2020, , 1-23.	1.8	3
53	The Application of Fractal Transform and Entropy for Improving Fault Tolerance and Load Balancing in Grid Computing Environments. Entropy, 2020, 22, 1410.	1.1	3
54	Detection of SQL Injection Using a Genetic Fuzzy Classifier System. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	3

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55	Brain Tumor Segmentation in 3D-MRI Based on Artificial Bee Colony and Level Set. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 193-202.	0.5	3
56	An Opinion Mining Approach to Handle Perspectivism and Ambiguity: Moving Toward Neutrosophic Logic. <i>IEEE Access</i> , 2022, 10, 63314-63328.	2.6	3
57	Improving semantic compression specification in large relational database. <i>IET Software</i> , 2016, 10, 108-115.	1.5	2
58	A Novel UWB Quadrifilar Planar Spiral Antenna. , 2018, , .		2
59	Proactive cache replacement technique for mobile networks based on genetic programming. <i>IET Networks</i> , 2018, 7, 376-383.	1.1	2
60	Adaptive Mechanism for Discovering Internet Gateways in Wireless Networks Using Swarm Intelligence. <i>IEEE Access</i> , 2021, 9, 47294-47302.	2.6	2
61	Dynamic Distributed Clustering Approach Directed to Patient-Centric Healthcare System. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 355-365.	0.5	2
62	From Public Polls to Tweets: Developing an Algorithm for Classifying Sentiment from Twitter Based on Computing with Words. <i>Journal of Computers</i> , 2016, 11, 238-246.	0.4	2
63	An Intelligent Model for Success Prediction of Initial Coin Offerings. <i>IEEE Access</i> , 2022, 10, 58589-58602.	2.6	2
64	An Enhanced Registration and Display Algorithm for Medical Augmented Reality. , 2018, , .		1
65	An Effective Offloading Model Based on Genetic Markov Process for Cloud Mobile Applications. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 38-50.	0.5	1
66	Context-Based Zero Database Watermarking Scheme Based on Evolutionary Mechanism. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 1005-1015.	0.5	1
67	A Modified Fuzzy Sentiment Analysis Approach Based on User Ranking Suitable for Online Social Networks. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 340-349.	0.5	1
68	Parameter Estimation for Chaotic Systems Using the Fruit Fly Optimization Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 80-90.	0.5	1
69	Intelligent Watermarking System Based on Soft Computing. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 24-34.	0.5	1
70	Self-adaptive Parameters Optimization for Incremental Classification in Big Data Using Swarm Intelligence. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 203-212.	0.5	1
71	Bio-inspired Machine Learning Mechanism for Detecting Malicious URL Through Passive DNS in Big Data Platform. <i>Studies in Big Data</i> , 2021, , 147-161.	0.8	1
72	An Adaptive Plagiarism Detection System Based on Semantic Concept and Hierarchical Genetic Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 739-749.	0.5	1

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73	Game Theoretic Approach to Optimize Exploration Parameter in ACO MANET Routing. Advances in Intelligent Systems and Computing, 2021, , 465-474.	0.5	1
74	Cotton Warehousing Improvement for Bale Management System Based on Neutrosophic Classifier. IEEE Access, 2021, 9, 159413-159420.	2.6	1
75	Towards robust and flexible blind watermarking system for copyright protection of 3D models. , 2008, , .		0
76	On the design of a robust and secure digital signature scheme for image authentication over wireless channels. , 2008, , .		0
77	Capacity and quality improvement in blind second generation watermarking. , 2009, , .		0
78	An optimized fingerprinting system for tamper proof and copy control of XML documents. , 2010, , .		0
79	Intelligent multi-agent system for information monitoring. , 2010, , .		0
80	Intelligent copyright protection framework for irregular large 3D meshes. , 2010, , .		0
81	Extension of Cellular Automata for Dynamic Vehicle Tracking. International Journal of Intelligent Transportation Systems Research, 2017, 15, 127-140.	0.6	0
82	A New Game Theory Approach for Noise Reduction in Cognitive Radio Network. , 2018, , .		0
83	Bio-inspired Expert System for Identifying Questioned Documents' Printer Source Suitable for Digital Forensics. , 2019, , .		0
84	A Modified Finger Vein Identification Approach based on Niching Genetic Algorithm. , 2019, , .		0
85	An Enhanced Image Fusion Model Based on Fuzzy Transform for 3D Imaging Applications. Advances in Intelligent Systems and Computing, 2021, , 184-194.	0.5	0
86	On the Viability of Entropy for Improving Fault Tolerance and Load Balancing in Grid Computing. Advances in Intelligent Systems and Computing, 2021, , 275-285.	0.5	0
87	Smart and Incremental Model to Build Clustered Trending Topics of Web Documents. Advances in Intelligent Systems and Computing, 2020, , 888-897.	0.5	0
88	An Evolutionary Biometric Authentication Model for Finger Vein Patterns. Advances in Intelligent Systems and Computing, 2021, , 271-281.	0.5	0
89	E-cash Payment Scheme in Near Field Communication Based on Boosted Trapdoor Hash. Advances in Intelligent Systems and Computing, 2021, , 621-631.	0.5	0