Ahmed El-Rafei

List of Publications by Year
in descending order

30 papers	579 citations	623734 14 h-index	677142 22 g-index
31 all docs	31 docs citations	31 times ranked	529 citing authors

#	Article	IF	Citations
1	A novel distributed generation planning algorithm via graphically-based network reconfiguration and soft open points placement using Archimedes optimization algorithm. Ain Shams Engineering Journal, 2021, 12, 1923-1941.	6.1	58
2	Optimal Network Reconfiguration in Active Distribution Networks with Soft Open Points and Distributed Generation. Energies, 2019, 12, 4172.	3.1	57
3	DTI parameters of axonal integrity and demyelination of the optic radiation correlate with glaucoma indices. Graefe's Archive for Clinical and Experimental Ophthalmology, 2013, 251, 243-253.	1.9	51
4	Glaucoma classification based on visual pathway analysis using diffusion tensor imaging. Magnetic Resonance Imaging, 2013, 31, 1081-1091.	1.8	40
5	Retinal image quality assessment based on image clarity and content. Journal of Biomedical Optics, 2016, 21, 096007.	2.6	32
6	Enhancement of Hosting Capacity with Soft Open Points and Distribution System Reconfiguration: Multi-Objective Bilevel Stochastic Optimization. Energies, 2020, 13, 5446.	3.1	32
7	Changes of Radial Diffusivity and Fractional Anisotopy in the Optic Nerve and Optic Radiation of Glaucoma Patients. Scientific World Journal, The, 2012, 2012, 1-5.	2.1	29
8	Quantum Image Watermarking Algorithm Based on Haar Wavelet Transform. IEEE Access, 2019, 7, 121303-121320.	4.2	27
9	A framework for voxel-based morphometric analysis of the optic radiation using diffusion tensor imaging in glaucoma. Magnetic Resonance Imaging, 2011, 29, 1076-1087.	1.8	26
10	A New Approach to Assess Intracranial White Matter Abnormalities in Glaucoma Patients. Academic Radiology, 2012, 19, 485-488.	2.5	26
11	Cerebral Microinfarcts in Primary Open-Angle Glaucoma Correlated With DTI-Derived Integrity of Optic Radiation. , 2014, 55, 7241.		24
12	A quantum mechanics-based framework for image processing and its application to image segmentation. Quantum Information Processing, 2015, 14, 3613-3638.	2.2	24
13	A Novel Graphically-Based Network Reconfiguration for Power Loss Minimization in Large Distribution Systems. Mathematics, 2019, 7, 1182.	2.2	23
14	Scenario-Based Network Reconfiguration and Renewable Energy Resources Integration in Large-Scale Distribution Systems Considering Parameters Uncertainty. Mathematics, 2021, 9, 26.	2.2	23
15	No-reference quality index for color retinal images. Computers in Biology and Medicine, 2017, 90, 68-75.	7.0	16
16	Similarity assessment of quantum images. Quantum Information Processing, 2019, 18, 1.	2.2	10
17	Optimal Network Reconfiguration and Distributed Generation Allocation using Harris Hawks Optimization. , 2020, , .		10
18	Solution of optimal power flow using evolutionary-based algorithms. International Journal of Engineering, Science and Technology, 2017, 9, 55-68.	0.6	9

#	Article	IF	Citations
19	Performance dependency of retinal image quality assessment algorithms on image resolution: analyses and solutions. Signal, Image and Video Processing, 2018, 12, 9-16.	2.7	9
20	Application and performance comparison of variants of the firefly algorithm to the Economic Load Dispatch problem. , 2017, , .		7
21	A continuous-variable quantum-inspired algorithm for classical image segmentation. Quantum Machine Intelligence, 2019, 1, 97-111.	4.8	6
22	A quantum mechanics-based algorithm for vessel segmentation in retinal images. Quantum Information Processing, 2016, 15, 2303-2323.	2.2	5
23	WiFi Antenna Design and Modeling using Artificial Neural Networks. , 2019, , .		5
24	Wireless ECG Monitoring System for Telemedicine Application. , 2019, , .		5
25	A Novel Reconfiguration Methodology of Radial Distribution Systems for Power Loss Minimization Using Expanded Invasive Weed optimization. , 2019, , .		4
26	Hosting Capacity Maximization Based on Optimal Reconfiguration of Distribution Networks with Optimized Soft Open Point Operation. , 2020, , 179-193.		3
27	Large-scale integration of distributed generation in reconfigured distribution networks considering load uncertainty. , 2021, , 441-484.		2
28	Optimal Soft Open Points Operation and Distributed Generations Penetration in a Reconfigured Egyptian Distribution Network. , 2021, , .		2
29	Glaucoma Classification Based on Histogram Analysis of Diffusion Tensor Imaging Measures in the Optic Radiation. Lecture Notes in Computer Science, 2011, , 529-536.	1.3	1
30	Automatic Segmentation of the Optic Radiation Using DTI in Healthy Subjects and Patients with Glaucoma. Computational Methods in Applied Sciences (Springer), 2011, , 1-15.	0.3	1