Walid I Al-Atabany

List of Publications by Year
in descending order

54 papers	2,492 citations	840776 11 h-index	580821 25 g-index
54 all docs	54 docs citations	54 times ranked	1316 citing authors

#	Article	IF	Citations
1	Honey Badger Algorithm: New metaheuristic algorithm for solving optimization problems. Mathematics and Computers in Simulation, 2022, 192, 84-110.	4.4	516
2	Review of Advanced Techniques for Data Security Technology and Applications. Journal of Clinical Engineering, 2022, 47, 72-87.	0.1	1
3	Archimedes optimization algorithm: a new metaheuristic algorithm for solving optimization problems. Applied Intelligence, 2021, 51, 1531-1551.	5.3	553
4	Classification of Thyroid Carcinoma in Whole Slide Images Using Cascaded CNN. IEEE Access, 2021, 9, 88429-88438.	4.2	10
5	Corneal Biomechanics Assessment Using High Frequency Ultrasound B-Mode Imaging. IEEE Access, 2021, 9, 106014-106028.	4.2	4
6	Hybrid image encryption scheme for secure E-health systems. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 1.	2.1	11
7	Impact of Post–Refractive Surgeries on Corneal Biomechanics—A Review. Journal of Clinical Engineering, 2021, 46, 177-188.	0.1	2
8	Studying Genes Related to the Survival Rate of Pediatric Septic Shock. , 2021, , .		1
9	Robust Background Template for Saliency Detection. , 2021, , .		0
10	Instance Segmentation of 2D Label-Free Microscopic Images using Deep Learning. , 2021, , .		0
11	INVESTIGATION OF DIFFERENTIALLY EXPRESSED GENE RELATED TO HUNTINGTON'S DISEASE USING GENETIC ALGORITHM. , 2021, , .		0
12	A modified Henry gas solubility optimization for solving motif discovery problem. Neural Computing and Applications, 2020, 32, 10759-10771.	5.6	69
13	Detection of Simulated Tactile Gratings by Electro-Static Friction Show a Dependency on Bar Width for Blind and Sighted Observers, and Preliminary Neural Correlates in Sighted Observers. Frontiers in Neuroscience, 2020, 14, 548030.	2.8	1
14	A Semantic-based Scene segmentation using convolutional neural networks. AEU - International Journal of Electronics and Communications, 2020, 125, 153364.	2.9	8
15	A scalable data transmission scheme for implantable optogenetic visual prostheses. Journal of Neural Engineering, 2020, 17, 055001.	3.5	1
16	Henry gas solubility optimization: A novel physics-based algorithm. Future Generation Computer Systems, 2019, 101, 646-667.	7.5	687
17	Emotion Recognition via Detrended Fluctuation Analysis and Fractal Dimensions. , 2019, , .		5
18	Automated brain tumor segmentation from multi-slices FLAIR MRI images. Bio-Medical Materials and Engineering, 2019, 30, 449-462.	0.6	7

#	Article	IF	Citations
19	Multi-Classification of Brain Tumor Images Using Deep Neural Network. IEEE Access, 2019, 7, 69215-69225.	4.2	371
20	Wearable Glasses for Retinal Pigmentiosa Based on Optogenetics. , 2019, , .		3
21	Binary Classification of Visual Scenes Using Convolutional Neural Network. , 2019, , .		2
22	Comparative Analysis of DNA Motif Discovery Algorithms: A Systemic Review. Current Cancer Therapy Reviews, 2019, 15, 4-26.	0.3	2
23	Review of Different Sequence Motif Finding Algorithms. Avicenna Journal of Medical Biotechnology, 2019, 11, 130-148.	0.3	15
24	Gait Rhythm Fluctuations Assessment for Neurodegenerative Patients. , 2018, , .		3
25	Gait Variability Analysis in Neurodegenerative Diseases Using Nonlinear Dynamical Modelling. , 2018, , .		3
26	Fuzzy Logic Approach For Medical Equipment Supplier Evaluation and Selection. , 2018, , .		2
27	Decision Support System for Medical Equipment Failure Analysis. , 2018, , .		4
28	A head mounted device stimulator for optogenetic retinal prosthesis. Journal of Neural Engineering, 2018, 15, 065002.	3.5	32
29	A computer aided diagnosis system for the early detection of neurodegenerative diseases using linear and non-linear analysis. , 2018, , .		9
30	Extraspectral Imaging for Improving the Perceived Information Presented in Retinal Prosthesis. Journal of Healthcare Engineering, 2018, 2018, 1-14.	1.9	5
31	Intelligent emotion recognition system using recurrence quantification analysis (RQA). , 2018, , .		2
32	Classification of right and left hand movement using phase space and recurrence quantification analysis. , 2018, , .		4
33	Evaluating the Efficiency of different Feature Sets on Brain Tumor Classification in MR Images. International Journal of Computer Applications, 2018, 180, 1-7.	0.2	1
34	Phase Space Density Matrix for Emotion Recognition. International Journal of Computer Applications, 2018, 179, 37-41.	0.2	4
35	GWOMF: Grey Wolf Optimization for motif finding. , 2017, , .		6
36	Classification of right and left hand movement using nonlinear analysis. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
37	The influence of the analysis technique on myocardial T2 estimation using cardiac magnetic resonance imaging (CMR). , 2017, , .		0
38	The Influence of the Analysis Technique on Myocardial T2 Estimation Using Cardiac Magnetic Resonance Imaging (CMR). , 2017, , .		0
39	Evaluation of Optical Flow Tracking Techniques in Cardiac Magnetic Resonance: Numerical Study. Sensor Letters, 2015, 13, 102-108.	0.4	0
40	Ranking and Evaluating CT Departments by Fuzzy Logic. International Journal of Computer Applications, 2015, 122, 8-15.	0.2	2
41	Ranking and Evaluating CT Departments by Quality Function Deployment. International Journal of Computer Applications, 2015, 132, 28-34.	0.2	1
42	FPGA design for dual-spectrum visual scene preparation in retinal prosthesis. , 2014, 2014, 4691-4.		3
43	Automatic synthesis of cine viability MRI images for evaluation of coronary heart disease. , 2014, 2014, 5117-20.		2
44	Performance of Optical Flow tracking approaches for cardiac motion analysis. , 2014, , .		3
45	A Processing Platform for Optoelectronic/Optogenetic Retinal Prosthesis. IEEE Transactions on Biomedical Engineering, 2013, 60, 781-791.	4.2	40
46	Efficient scene preparation and downscaling prior to stimulation in retinal prosthesis. , 2013, , .		3
47	A Coding Scheme for Optoelectronic/Optogenetic Retinal Prosthesis. , 2013, , .		0
48	Scene optimization for optogenetic retinal prosthesis. , 2011, , .		7
49	Designing and testing scene enhancement algorithms for patients with retina degenerative disorders. BioMedical Engineering OnLine, 2010, 9, 27.	2.7	34
50	Improved content aware scene retargeting for retinitis pigmentosa patients. BioMedical Engineering OnLine, 2010, 9, 52.	2.7	19
51	Vision Improvement for Patients with Retinal Degenerations. Mechatronic Systems and Control, 2010, 7, .	0.2	0
52	Parallelism to reduce power consumption on FPGA spatiotemporal image processing. , 2008, , .		15
53	A Robust Edge Enhancement Approach for Low Vision Patients Using Scene Simplification. , 2008, , .		16
54	A Spatiotemporal Parallel Image Processing on FPGA for Augmented Vision System. , 2008, , 558-561.		2