

Walid I Al-Atabany

List of Publications by Year in descending order

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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	Henry gas solubility optimization: A novel physics-based algorithm. Future Generation Computer Systems, 2019, 101, 646-667.	7.5	687
2	Archimedes optimization algorithm: a new metaheuristic algorithm for solving optimization problems. Applied Intelligence, 2021, 51, 1531-1551.	5.3	553
3	Honey Badger Algorithm: New metaheuristic algorithm for solving optimization problems. Mathematics and Computers in Simulation, 2022, 192, 84-110.	4.4	516
4	Multi-Classification of Brain Tumor Images Using Deep Neural Network. IEEE Access, 2019, 7, 69215-69225.	4.2	371
5	A modified Henry gas solubility optimization for solving motif discovery problem. Neural Computing and Applications, 2020, 32, 10759-10771.	5.6	69
6	A Processing Platform for Optoelectronic/Optogenetic Retinal Prosthesis. IEEE Transactions on Biomedical Engineering, 2013, 60, 781-791.	4.2	40
7	Designing and testing scene enhancement algorithms for patients with retina degenerative disorders. BioMedical Engineering OnLine, 2010, 9, 27.	2.7	34
8	A head mounted device stimulator for optogenetic retinal prosthesis. Journal of Neural Engineering, 2018, 15, 065002.	3.5	32
9	Improved content aware scene retargeting for retinitis pigmentosa patients. BioMedical Engineering OnLine, 2010, 9, 52.	2.7	19
10	A Robust Edge Enhancement Approach for Low Vision Patients Using Scene Simplification. , 2008, , .		16
11	Parallelism to reduce power consumption on FPGA spatiotemporal image processing. , 2008, , .		15
12	Review of Different Sequence Motif Finding Algorithms. Avicenna Journal of Medical Biotechnology, 2019, 11, 130-148.	0.3	15
13	Hybrid image encryption scheme for secure E-health systems. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 1.	2.1	11
14	Classification of Thyroid Carcinoma in Whole Slide Images Using Cascaded CNN. IEEE Access, 2021, 9, 88429-88438.	4.2	10
15	A computer aided diagnosis system for the early detection of neurodegenerative diseases using linear and non-linear analysis. , 2018, , .		9
16	A Semantic-based Scene segmentation using convolutional neural networks. AEU - International Journal of Electronics and Communications, 2020, 125, 153364.	2.9	8
17	Scene optimization for optogenetic retinal prosthesis. , 2011, , .		7
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	GWOMF: Grey Wolf Optimization for motif finding. , 2017, , .		6
20	Extraspectral Imaging for Improving the Perceived Information Presented in Retinal Prosthesis. Journal of Healthcare Engineering, 2018, 2018, 1-14.	1.9	5
21	Emotion Recognition via Detrended Fluctuation Analysis and Fractal Dimensions. , 2019, , .		5
22	Decision Support System for Medical Equipment Failure Analysis. , 2018, , .		4
23	Classification of right and left hand movement using phase space and recurrence quantification analysis. , 2018, , .		4
24	Corneal Biomechanics Assessment Using High Frequency Ultrasound B-Mode Imaging. IEEE Access, 2021, 9, 106014-106028.	4.2	4
25	Phase Space Density Matrix for Emotion Recognition. International Journal of Computer Applications, 2018, 179, 37-41.	0.2	4
26	Efficient scene preparation and downscaling prior to stimulation in retinal prosthesis. , 2013, , .		3
27	FPGA design for dual-spectrum visual scene preparation in retinal prosthesis. , 2014, 2014, 4691-4.		3
28	Performance of Optical Flow tracking approaches for cardiac motion analysis. , 2014, , .		3
29	Gait Rhythm Fluctuations Assessment for Neurodegenerative Patients. , 2018, , .		3
30	Gait Variability Analysis in Neurodegenerative Diseases Using Nonlinear Dynamical Modelling. , 2018, , .		3
31	Wearable Glasses for Retinal Pigmentosa Based on Optogenetics. , 2019, , .		3
32	A Spatiotemporal Parallel Image Processing on FPGA for Augmented Vision System. , 2008, , 558-561.		2
33	Automatic synthesis of cine viability MRI images for evaluation of coronary heart disease. , 2014, 2014, 5117-20.		2
34	Fuzzy Logic Approach For Medical Equipment Supplier Evaluation and Selection. , 2018, , .		2
35	Intelligent emotion recognition system using recurrence quantification analysis (RQA). , 2018, , .		2
36	Binary Classification of Visual Scenes Using Convolutional Neural Network. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
37	Impact of Postâ€œRefractive Surgeries on Corneal Biomechanicsâ€A Review. Journal of Clinical Engineering, 2021, 46, 177-188.	0.1	2
38	Comparative Analysis of DNA Motif Discovery Algorithms: A Systemic Review. Current Cancer Therapy Reviews, 2019, 15, 4-26.	0.3	2
39	Ranking and Evaluating CT Departments by Fuzzy Logic. International Journal of Computer Applications, 2015, 122, 8-15.	0.2	2
40	Classification of right and left hand movement using nonlinear analysis. , 2017, , .		1
41	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
42	A scalable data transmission scheme for implantable optogenetic visual prostheses. Journal of Neural Engineering, 2020, 17, 055001.	3.5	1
43	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
44	Ranking and Evaluating CT Departments by Quality Function Deployment. International Journal of Computer Applications, 2015, 132, 28-34.	0.2	1
45	Studying Genes Related to the Survival Rate of Pediatric Septic Shock. , 2021, , .		1
46	Review of Advanced Techniques for Data Security Technology and Applications. Journal of Clinical Engineering, 2022, 47, 72-87.	0.1	1
47	The influence of the analysis technique on myocardial T2 estimation using cardiac magnetic resonance imaging (CMR). , 2017, , .		0
48	The Influence of the Analysis Technique on Myocardial T2 Estimation Using Cardiac Magnetic Resonance Imaging (CMR). , 2017, , .		0
49	Vision Improvement for Patients with Retinal Degenerations. Mechatronic Systems and Control, 2010, 7, .	0.2	0
50	A Coding Scheme for Optoelectronic/Optogenetic Retinal Prosthesis. , 2013, , .		0
51	Evaluation of Optical Flow Tracking Techniques in Cardiac Magnetic Resonance: Numerical Study. Sensor Letters, 2015, 13, 102-108.	0.4	0
52	Robust Background Template for Saliency Detection. , 2021, , .		0
53	Instance Segmentation of 2D Label-Free Microscopic Images using Deep Learning. , 2021, , .		0
54	INVESTIGATION OF DIFFERENTIALLY EXPRESSED GENE RELATED TO HUNTINGTON'S DISEASE USING GENETIC ALGORITHM. , 2021, , .		0