

# Amira S Ashour

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11531421/publications.pdf>

Version: 2024-02-01

124  
papers

3,899  
citations

109137

35  
h-index

143772

57  
g-index

128  
all docs

128  
docs citations

128  
times ranked

3077  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of DNA discontinuity for detecting tuberculosis. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 1149-1163.	3.3	3
2	Discrete wavelet transform-based freezing of gait detection in Parkinson's disease. Journal of Experimental and Theoretical Artificial Intelligence, 2021, 33, 543-559.	1.8	23
3	Cuckoo Search and Its Variants in Digital Image Processing: A Comprehensive Review. Springer Tracts in Nature-inspired Computing, 2021, , 1-20.	1.2	0
4	A hybrid shape-based image clustering using time-series analysis. Multimedia Tools and Applications, 2021, 80, 3793-3808.	2.6	0
5	Genetic algorithm-based initial contour optimization for skin lesion border detection. Multimedia Tools and Applications, 2021, 80, 2583-2597.	2.6	12
6	Image-guided thermal ablation therapy. , 2021, , 411-440.		0
7	Optimization of Non-rigid Demons Registration Using Flower Pollination Algorithm. Springer Tracts in Nature-inspired Computing, 2021, , 25-44.	1.2	0
8	Intelligent Computing in Medical Imaging. , 2021, , 592-608.		0
9	Recognition of Skin Diseases Using Curvelet Transforms and Law's Texture Energy Measures. Advances in Intelligent Systems and Computing, 2021, , 51-61.	0.5	2
10	Diabetic plantar pressure analysis using image fusion. Multimedia Tools and Applications, 2020, 79, 11213-11236.	2.6	8
11	OCE-NGC: A neutrosophic graph cut algorithm using optimized clustering estimation algorithm for dermoscopic skin lesion segmentation. Applied Soft Computing Journal, 2020, 86, 105931.	4.1	15
12	Automated image analysis system for renal filtration barrier integrity of potassium bromate treated adult male albino rat. Multimedia Tools and Applications, 2020, 79, 7559-7575.	2.6	1
13	Long short term memory based patient-dependent model for FOG detection in Parkinson's disease. Pattern Recognition Letters, 2020, 131, 23-29.	2.6	47
14	Brain Tissue Evaluation Based on Skeleton Shape and Similarity Analysis between Hemispheres. Computation, 2020, 8, 31.	1.0	2
15	Feature Selection of Non-Dermoscopic Skin Lesion Images for Nevus and Melanoma Classification. Computation, 2020, 8, 41.	1.0	17
16	An embedded novel compact feature profile image in speech signal for teledermoscopy system. Health Information Science and Systems, 2020, 8, 23.	3.4	1
17	Grey-Wolf-Based Wang's Demons for Retinal Image Registration. Entropy, 2020, 22, 659.	1.1	5
18	Deep-segmentation of plantar pressure images incorporating fully convolutional neural networks. Biocybernetics and Biomedical Engineering, 2020, 40, 546-558.	3.3	16

#	ARTICLE	IF	CITATIONS
19	Optimization-based neutrosophic set in computer-aided diagnosis. , 2020, , 405-421.		1
20	Colored Video Analysis in Wireless Capsule Endoscopy: A Survey of State-of-the-Art. Current Medical Imaging, 2020, 16, 1074-1084.	0.4	5
21	Optimised halftoning and inverse halftoning of dermoscopic images for supporting teledermoscopy system. IET Image Processing, 2019, 13, 529-536.	1.4	5
22	Multi-modal classifier fusion with feature cooperation for glaucoma diagnosis. Journal of Experimental and Theoretical Artificial Intelligence, 2019, 31, 841-874.	1.8	19
23	Plantar pressure image fusion for comfort fusion in diabetes mellitus using an improved fuzzy hidden Markov model. Biocybernetics and Biomedical Engineering, 2019, 39, 742-752.	3.3	18
24	Neutrosophic multiple deep convolutional neural network for skin dermoscopic image classification. , 2019, , 269-285.		5
25	Advanced neutrosophic sets in Microscopic Image Analysis. , 2019, , 31-50.		1
26	Advanced optimization-based neutrosophic sets for medical image denoising. , 2019, , 101-121.		4
27	A Novel Neutrosophic Subsets Definition for Dermoscopic Image Segmentation. IEEE Access, 2019, 7, 151047-151053.	2.6	4
28	Dual feature selection and rebalancing strategy using metaheuristic optimization algorithms in X-ray image datasets. Multimedia Tools and Applications, 2019, 78, 20913-20933.	2.6	17
29	Neutrosophic set in medical image clustering. , 2019, , 167-187.		4
30	Neutrosophic hough transform for blood cells nuclei detection. , 2019, , 207-227.		2
31	Neutrosophic sets in dermoscopic medical image segmentation. , 2019, , 229-243.		14
32	Meta-KANSEI Modeling with Valence-Arousal fMRI Dataset of Brain. Cognitive Computation, 2019, 11, 227-240.	3.6	15
33	Optical pressure sensors based plantar image segmenting using an improved fully convolutional network. Optik, 2019, 179, 99-114.	1.4	24
34	Mathematical models and migrating birds optimization for robotic U-shaped assembly line balancing problem. Neural Computing and Applications, 2019, 31, 9095-9111.	3.2	22
35	Gaussian mixture model for texture characterization with application to brain DTI images. Journal of Advanced Research, 2019, 16, 15-23.	4.4	26
36	Classification of mice hepatic granuloma microscopic images based on a deep convolutional neural network. Applied Soft Computing Journal, 2019, 74, 40-50.	4.1	54

#	ARTICLE	IF	CITATIONS
37	Self-organizing mapping based swarm intelligence for secondary and tertiary proteins classification. International Journal of Machine Learning and Cybernetics, 2019, 10, 229-252.	2.3	12
38	A new hybrid classifier selection model based on mRMR method and diversity measures. International Journal of Machine Learning and Cybernetics, 2019, 10, 1189-1204.	2.3	10
39	Design of a proportional-integral-derivative controller for an automatic generation control of multi-area power thermal systems using firefly algorithm. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 503-515.	8.5	123
40	A survey of the state-of-the-arts on neutrosophic sets in biomedical diagnoses. International Journal of Machine Learning and Cybernetics, 2019, 10, 1-13.	2.3	78
41	Direction of Arrival Estimation and Localization of Multi-Speech Sources. Springer Briefs in Electrical and Computer Engineering, 2018, , .	0.3	21
42	Efficient Economic Profit Maximization: Genetic Algorithm Based Approach. Lecture Notes in Networks and Systems, 2018, , 307-318.	0.5	6
43	Ant Colony Optimization Based Load Frequency Control of Multi-area Interconnected Thermal Power System with Governor Dead-Band Nonlinearity. Lecture Notes in Networks and Systems, 2018, , 157-167.	0.5	13
44	A novel optimized neutrosophic k-means using genetic algorithm for skin lesion detection in dermoscopy images. Signal, Image and Video Processing, 2018, 12, 1311-1318.	1.7	30
45	An approach to examine Magnetic Resonance Angiography based on Tsallis entropy and deformable snake model. Future Generation Computer Systems, 2018, 85, 160-172.	4.9	56
46	Medical cyber-physical systems: A survey. Journal of Medical Systems, 2018, 42, 74.	2.2	147
47	Light microscopy image de-noising using optimized LPA-ICI filter. Neural Computing and Applications, 2018, 29, 1517-1533.	3.2	24
48	Multi-level image thresholding using Otsu and chaotic bat algorithm. Neural Computing and Applications, 2018, 29, 1285-1307.	3.2	166
49	Social group optimization for global optimization of multimodal functions and data clustering problems. Neural Computing and Applications, 2018, 30, 271-287.	3.2	62
50	Evolutionary framework for coding area selection from cancer data. Neural Computing and Applications, 2018, 29, 1015-1037.	3.2	27
51	Image feature-based affective retrieval employing improved parameter and structure identification of adaptive neuro-fuzzy inference system. Neural Computing and Applications, 2018, 29, 1087-1102.	3.2	26
52	Discrete cuckoo search algorithms for two-sided robotic assembly line balancing problem. Neural Computing and Applications, 2018, 30, 2685-2696.	3.2	53
53	Texture anisotropy technique in brain degenerative diseases. Neural Computing and Applications, 2018, 30, 1667-1677.	3.2	15
54	Morphological segmenting and neighborhood pixel-based locality preserving projection on brain fMRI dataset for semantic feature extraction: an affective computing study. Neural Computing and Applications, 2018, 30, 3733-3748.	3.2	20

#	ARTICLE	IF	CITATIONS
55	Quantum Inspired Evolutionary Algorithm in Load Frequency Control of Multi-area Interconnected Thermal Power System with Non-linearity. <i>Studies in Big Data</i> , 2018, , 389-417.	0.8	13
56	Classifier Ensemble Selection Based on mRMR Algorithm and Diversity Measures: An Application of Medical Data Classification. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 375-384.	0.5	3
57	Clinical application of modified bag-of-features coupled with hybrid neural-based classifier in dengue fever classification using gene expression data. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 709-720.	1.6	33
58	Medical Imaging and Its Objective Quality Assessment: An Introduction. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 3-32.	0.5	15
59	Internet of Things Based Wireless Body Area Network in Healthcare. <i>Studies in Big Data</i> , 2018, , 3-20.	0.8	71
60	Robust feature selection algorithm based on transductive SVM wrapper and genetic algorithm: application on computer-aided glaucoma classification. <i>International Journal of Intelligent Systems Technologies and Applications</i> , 2018, 17, 310.	0.2	7
61	Centroid tracking and velocity measurement of white blood cell in video. <i>Health Information Science and Systems</i> , 2018, 6, 20.	3.4	3
62	Computing in Medical Image Analysis. , 2018, , 3-11.		25
63	Social Group Optimization Supported Segmentation and Evaluation of Skin Melanoma Images. <i>Symmetry</i> , 2018, 10, 51.	1.1	119
64	A Novel Skin Lesion Detection Approach Using Neutrosophic Clustering and Adaptive Region Growing in Dermoscopy Images. <i>Symmetry</i> , 2018, 10, 119.	1.1	36
65	A hybrid dermoscopy images segmentation approach based on neutrosophic clustering and histogram estimation. <i>Applied Soft Computing Journal</i> , 2018, 69, 426-434.	4.1	38
66	A novel cumulative level difference mean based GLDM and modified ABCD features ranked using eigenvector centrality approach for four skin lesion types classification. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 165, 163-174.	2.6	39
67	Load Frequency Control of Hydro-Hydro System with Fuzzy Logic Controller Considering Non-linearity. <i>Studies in Fuzziness and Soft Computing</i> , 2018, , 307-318.	0.6	6
68	Specialized Software System for Heart Rate Variability Analysis: An Implementation of Nonlinear Graphical Methods. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 367-374.	0.5	5
69	Sources Localization and DOAE Techniques of Moving Multiple Sources. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2018, , 23-34.	0.3	11
70	Challenges and Future Perspectives in Speech-Sources Direction of Arrival Estimation and Localization. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2018, , 49-52.	0.3	13
71	Electrical Energy Output Prediction Using Cuckoo Search Based Artificial Neural Network. <i>Lecture Notes in Networks and Systems</i> , 2018, , 277-285.	0.5	7
72	Histogram of Oriented Gradient Based Plantar Pressure Image Feature Extraction and Classification Employing Fuzzy Support Vector Machine. <i>Journal of Medical Imaging and Health Informatics</i> , 2018, 8, 842-854.	0.2	27

#	ARTICLE	IF	CITATIONS
73	Intelligent Computing in Medical Imaging. Advances in Data Mining and Database Management Book Series, 2018, , 143-163.	0.4	41
74	Meta-Heuristic Algorithms in Medical Image Segmentation. Advances in Data Mining and Database Management Book Series, 2018, , 185-203.	0.4	13
75	Hybrid Non-Dominated Sorting Genetic Algorithm. Advances in Data Mining and Database Management Book Series, 2018, , 264-286.	0.4	14
76	Thermal Imaging in Medical Science. , 2018, , 1109-1132.		4
77	Automated System for Crops Recognition and Classification. , 2018, , 1208-1223.		14
78	Schistosomal Hepatic Fibrosis Classification. International Journal of Natural Computing Research, 2018, 7, 1-17.	0.5	1
79	Gene-Disease-Food Relation Extraction from Biomedical Database. Advances in Intelligent Systems and Computing, 2018, , 394-407.	0.5	5
80	Particle swarm optimization trained neural network for structural failure prediction of multistoried RC buildings. Neural Computing and Applications, 2017, 28, 2005-2016.	3.2	232
81	Application of flower pollination algorithm in load frequency control of multi-area interconnected power system with nonlinearity. Neural Computing and Applications, 2017, 28, 475-488.	3.2	89
82	Effect of fuzzy partitioning in Crohn's disease classification: a neuro-fuzzy-based approach. Medical and Biological Engineering and Computing, 2017, 55, 101-115.	1.6	73
83	Case-Based Reasoning for Product Style Construction and Fuzzy Analytic Hierarchy Process Evaluation Modeling Using Consumers Linguistic Variables. IEEE Access, 2017, 5, 4900-4912.	2.6	23
84	Dengue Fever Classification Using Gene Expression Data: A PSO Based Artificial Neural Network Approach. Advances in Intelligent Systems and Computing, 2017, , 331-341.	0.5	28
85	Hidden Markov model and Chapman Kolmogorov for protein structures prediction from images. Computational Biology and Chemistry, 2017, 68, 231-244.	1.1	25
86	Wireless Capsule Gastrointestinal Endoscopy: Direction-of-Arrival Estimation Based Localization Survey. IEEE Reviews in Biomedical Engineering, 2017, 10, 2-11.	13.1	62
87	Modified cuckoo search algorithm in microscopic image segmentation of hippocampus. Microscopy Research and Technique, 2017, 80, 1051-1072.	1.2	98
88	Texture analysis of parasitological liver fibrosis images. Microscopy Research and Technique, 2017, 80, 862-869.	1.2	17
89	De-Bruijn graph with MapReduce framework towards metagenomic data classification. International Journal of Information Technology (Singapore), 2017, 9, 59-75.	1.8	40
90	Image Fusion Incorporating Parameter Estimation Optimized Gaussian Mixture Model and Fuzzy Weighted Evaluation System: A Case Study in Time-Series Plantar Pressure Data Set. IEEE Sensors Journal, 2017, 17, 1407-1420.	2.4	38

#	ARTICLE	IF	CITATIONS
91	Nonparametric de-noising filter optimization using structure-based microscopic image classification. <i>Microscopy Research and Technique</i> , 2017, 80, 419-429.	1.2	19
92	Optimization of Non-rigid Demons Registration Using Cuckoo Search Algorithm. <i>Cognitive Computation</i> , 2017, 9, 817-826.	3.6	21
93	Neural Skyline Filtering for Imbalance Features Classification. <i>International Journal of Computational Intelligence and Applications</i> , 2017, 16, 1750019.	0.6	8
94	Large Scale Medical Data Mining for Accurate Diagnosis: A Blueprint. <i>Scalable Computing and Communications</i> , 2017, , 157-176.	0.5	16
95	A novel glomerular basement membrane segmentation using neutrosophic set and shearlet transform on microscopic images. <i>Health Information Science and Systems</i> , 2017, 5, 15.	3.4	12
96	Combined empirical mode decomposition and texture features for skin lesion classification using quadratic support vector machine. <i>Health Information Science and Systems</i> , 2017, 5, 10.	3.4	21
97	Histogram Thresholding in Image Segmentation: A Joint Level Set Method and Lattice Boltzmann Method Based Approach. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 529-539.	0.5	10
98	Rule-based back propagation neural networks for various precision rough set presented KANSEI knowledge prediction: a case study on shoe product form features extraction. <i>Neural Computing and Applications</i> , 2017, 28, 613-630.	3.2	55
99	Gradient approximation in retinal blood vessel segmentation. , 2017, , .		25
100	Developing residential wireless sensor networks for ECG healthcare monitoring. <i>IEEE Transactions on Consumer Electronics</i> , 2017, 63, 442-449.	3.0	213
101	Application of cuckoo search in water quality prediction using artificial neural network. <i>International Journal of Computational Intelligence Studies</i> , 2017, 6, 229.	0.3	32
102	Indian Sign Language Recognition Using Optimized Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 553-563.	0.5	64
103	&lt;em>FbMapping&lt;/em>: AN AUTOMATED SYSTEM FOR MONITORING FACEBOOK DATA. <i>Neural Network World</i> , 2017, 27, 27-57.	0.5	26
104	Bag-of-Features in Microscopic Images Classification. , 2017, , 435-456.		2
105	Deep Learning for Multimedia Content Analysis. , 2017, , 193-203.		6
106	Biological Data Mining:. , 2017, , 161-172.		0
107	Segmentation for Medical Image Mining. , 2017, , 147-160.		0
108	Knowledge Mining from Medical Images. , 2017, , 133-145.		0

#	ARTICLE	IF	CITATIONS
109	Measurement of glomerulus diameter and Bowman's space width of renal albino rats. Computer Methods and Programs in Biomedicine, 2016, 126, 143-153.	2.6	64
110	Abdominal Imaging in Clinical Applications: Computer Aided Diagnosis Approaches. Studies in Computational Intelligence, 2016, , 3-17.	0.7	5
111	A MapReduce approach to diminish imbalance parameters for big deoxyribonucleic acid dataset. Computer Methods and Programs in Biomedicine, 2016, 131, 191-206.	2.6	85
112	Automated stratification of liver disease in ultrasound: An online accurate feature classification paradigm. Computer Methods and Programs in Biomedicine, 2016, 130, 118-134.	2.6	121
113	Detection of Dead Stained Microscopic Cells Based on Color Intensity and Contrast. Advances in Intelligent Systems and Computing, 2016, , 57-68.	0.5	6
114	An Integrated Interactive Technique for Image Segmentation using Stack based Seeded Region Growing and Thresholding. International Journal of Electrical and Computer Engineering, 2016, 6, 2773.	0.5	51
115	An Integrated Interactive Technique for Image Segmentation using Stack based Seeded Region Growing and Thresholding. International Journal of Electrical and Computer Engineering, 2016, 6, 2773.	0.5	37
116	Healthy and Unhealthy Rat Hippocampus Cells Classification: A Neural Based Automated System for Alzheimer Disease Classification. Journal of Advanced Microscopy Research, 2016, 11, 1-10.	0.3	24
117	Neural-based prediction of structural failure of multistoried RC buildings. Structural Engineering and Mechanics, 2016, 58, 459-473.	1.0	52
118	Parameter Optimization for Local Polynomial Approximation based Intersection Confidence Interval Filter Using Genetic Algorithm: An Application for Brain MRI Image De-Noising. Journal of Imaging, 2015, 1, 60-84.	1.7	96
119	Video segmentation using minimum ratio similarity measurement. International Journal of Image Mining, 2015, 1, 87.	0.1	28
120	Principal component analysis in medical image processing: a study. International Journal of Image Mining, 2015, 1, 65.	0.1	72
121	Finding Contours of Hippocampus Brain Cell Using Microscopic Image Analysis. Journal of Advanced Microscopy Research, 2015, 10, 93-103.	0.3	74
122	Computed Tomography Image Enhancement Using Cuckoo Search: A Log Transform Based Approach. Journal of Signal and Information Processing, 2015, 06, 244-257.	0.8	61
123	Thermal Imaging in Medical Science. Advances in Civil and Industrial Engineering Book Series, 0, , 87-117.	0.2	12
124	Bag-of-Features in Microscopic Images Classification. Advances in Medical Technologies and Clinical Practice Book Series, 0, , 1-22.	0.3	0