

About Ella Hassanien

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

666
papers

11,650
citations

53
h-index

88
g-index

711
ext. papers

14,795
ext. citations

1.8
avg, IF

7.57
L-index

#	Paper	IF	Citations
666	Binary grey wolf optimization approaches for feature selection. <i>Neurocomputing</i> , 2016 , 172, 371-381	5.4	656
665	Parameter estimation of photovoltaic cells using an improved chaotic whale optimization algorithm. <i>Applied Energy</i> , 2017 , 200, 141-154	10.7	350
664	Whale Optimization Algorithm and Moth-Flame Optimization for multilevel thresholding image segmentation. <i>Expert Systems With Applications</i> , 2017 , 83, 242-256	7.8	335
663	Wearable and implantable wireless sensor network solutions for healthcare monitoring. <i>Sensors</i> , 2011 , 11, 5561-95	3.8	323
662	Linear discriminant analysis: A detailed tutorial. <i>AI Communications</i> , 2017 , 30, 169-190	0.8	272
661	Binary ant lion approaches for feature selection. <i>Neurocomputing</i> , 2016 , 213, 54-65	5.4	249
660	Feature selection via a novel chaotic crow search algorithm. <i>Neural Computing and Applications</i> , 2019 , 31, 171-188	4.8	227
659	The impact of the hybrid platform of internet of things and cloud computing on healthcare systems: opportunities, challenges, and open problems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 4151-4166	3.7	180
658	A machine learning forecasting model for COVID-19 pandemic in India. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020 , 34, 1-14	3.5	156
657	Forecasting Models for Coronavirus Disease (COVID-19): A Survey of the State-of-the-Art. <i>SN Computer Science</i> , 2020 , 1, 197	2	123
656	Scheduling jobs on computational grids using a fuzzy particle swarm optimization algorithm. <i>Future Generation Computer Systems</i> , 2010 , 26, 1336-1343	7.5	118
655	Bezier Curve Based Path Planning in a Dynamic Field using Modified Genetic Algorithm. <i>Journal of Computational Science</i> , 2018 , 25, 339-350	3.4	117
654	Improved diagnosis of Parkinson's disease using optimized crow search algorithm. <i>Computers and Electrical Engineering</i> , 2018 , 68, 412-424	4.3	114
653	Dimensionality reduction of medical big data using neural-fuzzy classifier. <i>Soft Computing</i> , 2015 , 19, 1115-1127	5.9	106
652	Chaotic dragonfly algorithm: an improved metaheuristic algorithm for feature selection. <i>Applied Intelligence</i> , 2019 , 49, 188-205	4.9	104
651	Modified cuckoo search algorithm with rough sets for feature selection. <i>Neural Computing and Applications</i> , 2018 , 29, 925-934	4.8	103
650	Hybrid Intelligent Intrusion Detection Scheme. <i>Advances in Intelligent and Soft Computing</i> , 2011 , 293-303		102

649	Fuzzy rough sets hybrid scheme for breast cancer detection. <i>Image and Vision Computing</i> , 2007 , 25, 172-183	9.7	100
648	K-Coverage Model Based on Genetic Algorithm to Extend WSN Lifetime 2017 , 1, 1-4		98
647	Rough sets and near sets in medical imaging: a review. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2009 , 13, 955-68		98
646	Sentiment Analysis of COVID-19 tweets by Deep Learning Classifiers-A study to show how popularity is affecting accuracy in social media. <i>Applied Soft Computing Journal</i> , 2020 , 97, 106754	7.5	98
645	Optimizing K-coverage of mobile WSNs. <i>Expert Systems With Applications</i> , 2018 , 92, 142-153	7.8	96
644	A BA-based algorithm for parameter optimization of Support Vector Machine. <i>Pattern Recognition Letters</i> , 2017 , 93, 13-22	4.7	93
643	Intelligent B-spline curve-based path planning model using Chaotic Particle Swarm Optimization algorithm. <i>Cluster Computing</i> , 2019 , 22, 4745-4766	2.1	91
642	A random forest classifier for lymph diseases. <i>Computer Methods and Programs in Biomedicine</i> , 2014 , 113, 465-73	6.9	89
641	ASCA-PSO: Adaptive sine cosine optimization algorithm integrated with particle swarm for pairwise local sequence alignment. <i>Expert Systems With Applications</i> , 2018 , 99, 56-70	7.8	85
640	Adaptive k-means clustering algorithm for MR breast image segmentation. <i>Neural Computing and Applications</i> , 2014 , 24, 1917-1928	4.8	83
639	Association between weather data and COVID-19 pandemic predicting mortality rate: Machine learning approaches. <i>Chaos, Solitons and Fractals</i> , 2020 , 138, 110137	9.3	82
638	Trust-based secure clustering in WSN-based intelligent transportation systems. <i>Computer Networks</i> , 2018 , 146, 151-158	5.4	81
637	A multi-objective transportation model under neutrosophic environment. <i>Computers and Electrical Engineering</i> , 2018 , 69, 705-719	4.3	78
636	Biometric cattle identification approach based on Weber's Local Descriptor and AdaBoost classifier. <i>Computers and Electronics in Agriculture</i> , 2016 , 122, 55-66	6.5	78
635	Recognizing human activity in mobile crowdsensing environment using optimized k-NN algorithm. <i>Expert Systems With Applications</i> , 2018 , 107, 32-44	7.8	77
634	An optimized model based on convolutional neural networks and orthogonal learning particle swarm optimization algorithm for plant diseases diagnosis. <i>Swarm and Evolutionary Computation</i> , 2020 , 52, 100616	9.8	74
633	Multi-objective whale optimization algorithm for content-based image retrieval. <i>Multimedia Tools and Applications</i> , 2018 , 77, 26135-26172	2.5	73
632	A Chaotic Improved Artificial Bee Colony for Parameter Estimation of Photovoltaic Cells. <i>Energies</i> , 2017 , 10, 865	3.1	71

631	Chaotic crow search algorithm for fractional optimization problems. <i>Applied Soft Computing Journal</i> , 2018 , 71, 1161-1175	7.5	71
630	S-shaped Binary Whale Optimization Algorithm for Feature Selection. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 79-87	0.4	70
629	MRI breast cancer diagnosis hybrid approach using adaptive ant-based segmentation and multilayer perceptron neural networks classifier. <i>Applied Soft Computing Journal</i> , 2014 , 14, 62-71	7.5	70
628	A new binary salp swarm algorithm: development and application for optimization tasks. <i>Neural Computing and Applications</i> , 2019 , 31, 1641-1663	4.8	69
627	An improved moth flame optimization algorithm based on rough sets for tomato diseases detection. <i>Computers and Electronics in Agriculture</i> , 2017 , 136, 86-96	6.5	68
626	Using machine learning techniques for evaluating tomato ripeness. <i>Expert Systems With Applications</i> , 2015 , 42, 1892-1905	7.8	68
625	Chaotic multi-verse optimizer-based feature selection. <i>Neural Computing and Applications</i> , 2019 , 31, 9914-1006	4.8	68
624	Chaotic antlion algorithm for parameter optimization of support vector machine. <i>Applied Intelligence</i> , 2018 , 48, 670-686	4.9	65
623	An effective SVD-based image tampering detection and self-recovery using active watermarking. <i>Signal Processing: Image Communication</i> , 2014 , 29, 1197-1210	2.8	65
622	Multi-Objective Gray-Wolf Optimization for Attribute Reduction. <i>Procedia Computer Science</i> , 2015 , 65, 623-632	1.6	65
621	Liver segmentation in MRI images based on whale optimization algorithm. <i>Multimedia Tools and Applications</i> , 2017 , 76, 24931-24954	2.5	62
620	Classification of toxicity effects of biotransformed hepatic drugs using whale optimized support vector machines. <i>Journal of Biomedical Informatics</i> , 2017 , 68, 132-149	10.2	59
619	Moth-flame optimization for training Multi-Layer Perceptrons 2015 ,		59
618	Fear from COVID-19 and technology adoption: the impact of Google Meet during Coronavirus pandemic. <i>Interactive Learning Environments</i> , 2020 , 1-16	3.1	58
617	A survey of swarm and evolutionary computing approaches for deep learning. <i>Artificial Intelligence Review</i> , 2020 , 53, 1767-1812	9.7	58
616	Retinal Blood Vessel Segmentation Approach Based on Mathematical Morphology. <i>Procedia Computer Science</i> , 2015 , 65, 612-622	1.6	57
615	An optimized dense convolutional neural network model for disease recognition and classification in corn leaf. <i>Computers and Electronics in Agriculture</i> , 2020 , 175, 105456	6.5	56
614	Sine cosine optimization algorithm for feature selection 2016 ,		55

613	Swarming behaviour of salps algorithm for predicting chemical compound activities 2017 ,		53
612	New binary whale optimization algorithm for discrete optimization problems. <i>Engineering Optimization</i> , 2020 , 52, 945-959	2	51
611	An optimized deep learning architecture for the diagnosis of COVID-19 disease based on gravitational search optimization. <i>Applied Soft Computing Journal</i> , 2021 , 98, 106742	7.5	51
610	New binary bat algorithm for solving 0-1 knapsack problem. <i>Complex & Intelligent Systems</i> , 2018 , 4, 31-53	7.1	51
609	Fuzzy and hard clustering analysis for thyroid disease. <i>Computer Methods and Programs in Biomedicine</i> , 2013 , 111, 1-16	6.9	50
608	Moth-flame swarm optimization with neutrosophic sets for automatic mitosis detection in breast cancer histology images. <i>Applied Intelligence</i> , 2017 , 47, 397-408	4.9	49
607	Tomato leaves diseases detection approach based on Support Vector Machines 2015 ,		49
606	Rough set approach for attribute reduction and rule generation: A case of patients with suspected breast cancer. <i>Journal of the Association for Information Science and Technology</i> , 2004 , 55, 954-962		49
605	Breast cancer MRI diagnosis approach using support vector machine and pulse coupled neural networks. <i>Journal of Applied Logic</i> , 2012 , 10, 277-284		48
604	MOGOA algorithm for constrained and unconstrained multi-objective optimization problems. <i>Applied Intelligence</i> , 2018 , 48, 2268-2283	4.9	47
603	A hybrid SA-MFO algorithm for function optimization and engineering design problems. <i>Complex & Intelligent Systems</i> , 2018 , 4, 195-212	7.1	46
602	A New Chaotic Whale Optimization Algorithm for Features Selection. <i>Journal of Classification</i> , 2018 , 35, 300-344	1.2	46
601	A binary whale optimization algorithm with hyperbolic tangent fitness function for feature selection 2017 ,		46
600	A Framework for Big Data Analysis in Smart Cities. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 405-414	0.4	45
599	An improved fast fuzzy c-means using crow search optimization algorithm for crop identification in agricultural. <i>Expert Systems With Applications</i> , 2019 , 118, 340-354	7.8	43
598	Swarm Intelligence		42
597	A new chaotic multi-verse optimization algorithm for solving engineering optimization problems. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2018 , 30, 293-317	2	39
596	SIFT-Based Arabic Sign Language Recognition System. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 359-370	0.4	38

595	Analysis of Twitter Data Using Evolutionary Clustering during the COVID-19 Pandemic. <i>Computers, Materials and Continua</i> , 2020 , 65, 193-204	3.9	38
594	CT liver tumor segmentation hybrid approach using neutrosophic sets, fast fuzzy c-means and adaptive watershed algorithm. <i>Artificial Intelligence in Medicine</i> , 2019 , 97, 105-117	7.4	38
593	A New Multi-layer Perceptrons Trainer Based on Ant Lion Optimization Algorithm 2015 ,		37
592	Computational intelligence techniques in bioinformatics. <i>Computational Biology and Chemistry</i> , 2013 , 47, 37-47	3.6	36
591	Prediction of biochar yield using adaptive neuro-fuzzy inference system with particle swarm optimization 2017 ,		36
590	A Disaster Management Specific Mobility Model for Flying Ad-hoc Network. <i>International Journal of Rough Sets and Data Analysis</i> , 2016 , 3, 72-103	0.3	36
589	Intelligent human emotion recognition based on elephant herding optimization tuned support vector regression. <i>Biomedical Signal Processing and Control</i> , 2018 , 45, 182-191	4.9	36
588	Artificial Intelligence Technique for Gene Expression by Tumor RNA-Seq Data: A Novel Optimized Deep Learning Approach. <i>IEEE Access</i> , 2020 , 8, 22874-22883	3.5	35
587	Comparison of classification techniques applied for network intrusion detection and classification. <i>Journal of Applied Logic</i> , 2017 , 24, 109-118		35
586	Spiking neural network and wavelets for hiding iris data in digital images. <i>Soft Computing</i> , 2009 , 13, 401-416	4.56	35
585	A hybrid crow search algorithm based on rough searching scheme for solving engineering optimization problems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 1	3.7	35
584	Multi-objective Whale Optimization Algorithm for Multilevel Thresholding Segmentation. <i>Studies in Computational Intelligence</i> , 2018 , 23-39	0.8	34
583	Diagnosis and Prediction Model for COVID-19 Patient's Response to Treatment based on Convolutional Neural Networks and Whale Optimization Algorithm Using CT Images		33
582	Maximizing lifetime of large-scale wireless sensor networks using multi-objective whale optimization algorithm. <i>Telecommunication Systems</i> , 2019 , 72, 243-259	2.3	32
581	Loan portfolio optimization using Genetic Algorithm: A case of credit constraints 2016 ,		32
580	Enhanced Elephant Herding Optimization for Global Optimization. <i>IEEE Access</i> , 2019 , 7, 34738-34752	3.5	31
579	Fruit-Based Tomato Grading System Using Features Fusion and Support Vector Machine. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 401-410	0.4	31
578	Computer-Aided Acute Lymphoblastic Leukemia Diagnosis System Based on Image Analysis. <i>Studies in Computational Intelligence</i> , 2018 , 131-147	0.8	31

577	Automatic Nile Tilapia fish classification approach using machine learning techniques 2013 ,		30
576	Quantum-Behaved Particle Swarm Optimization for Parameter Optimization of Support Vector Machine. <i>Journal of Classification</i> , 2019 , 36, 576-598	1.2	29
575	CT Liver Segmentation Using Artificial Bee Colony Optimisation. <i>Procedia Computer Science</i> , 2015 , 60, 1622-1630	1.6	29
574	Automatic X-ray COVID-19 Lung Image Classification System based on Multi-Level Thresholding and Support Vector Machine		29
573	Linear Correlation-Based Feature Selection for Network Intrusion Detection Model. <i>Communications in Computer and Information Science</i> , 2013 , 240-248	0.3	28
572	Watermarking in Biomedical Signal Processing. <i>Studies in Computational Intelligence</i> , 2017 , 345-369	0.8	28
571	SVM-Based Detection of Tomato Leaves Diseases. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 641-652	0.4	28
570	Thermogram breast cancer prediction approach based on Neutrosophic sets and fuzzy c-means algorithm. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 4254-7	0.9	27
569	Retinal fundus vasculature multilevel segmentation using whale optimization algorithm. <i>Signal, Image and Video Processing</i> , 2018 , 12, 263-270	1.6	27
568	Brain MRI Tumor Segmentation with 3D Intracranial Structure Deformation Features. <i>IEEE Intelligent Systems</i> , 2016 , 31, 66-76	4.2	27
567	Multi-spectral and panchromatic image fusion approach using stationary wavelet transform and swarm flower pollination optimization for remote sensing applications. <i>Future Generation Computer Systems</i> , 2018 , 88, 501-511	7.5	27
566	2010 ,		27
565	Retinal blood vessel localization approach based on bee colony swarm optimization, fuzzy c-means and pattern search. <i>Journal of Visual Communication and Image Representation</i> , 2015 , 31, 186-196	2.7	26
564	Retinal vessel segmentation based on possibilistic fuzzy c-means clustering optimised with cuckoo search 2014 ,		26
563	Identifying Two of Tomatoes Leaf Viruses Using Support Vector Machine. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 771-782	0.4	26
562	2014 ,		26
561	Cattle Identification Using Muzzle Print Images Based on Texture Features Approach. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 217-227	0.4	26
560	Cattle Identification Based on Muzzle Images Using Gabor Features and SVM Classifier. <i>Communications in Computer and Information Science</i> , 2014 , 236-247	0.3	26

559	A Cattle Identification Approach Using Live Captured Muzzle Print Images. <i>Communications in Computer and Information Science</i> , 2013 , 143-152	0.3	26
558	2016 ,		26
557	ARIMA models for predicting the end of COVID-19 pandemic and the risk of second rebound. <i>Neural Computing and Applications</i> , 2020 , 33, 1-20	4.8	26
556	Multi-objective orthogonal opposition-based crow search algorithm for large-scale multi-objective optimization. <i>Neural Computing and Applications</i> , 2020 , 32, 13715-13746	4.8	25
555	An innovative approach for feature selection based on chicken swarm optimization 2015 ,		25
554	Detection of Breast Abnormalities of Thermograms based on a New Segmentation Method 2015 ,		25
553	A New Heuristic Function of Ant Colony System for Retinal Vessel Segmentation. <i>International Journal of Rough Sets and Data Analysis</i> , 2014 , 1, 15-30	0.3	25
552	Secure Automated Forensic Investigation for Sustainable Critical Infrastructures Compliant with Green Computing Requirements. <i>IEEE Transactions on Sustainable Computing</i> , 2020 , 5, 174-191	3.5	25
551	Computational intelligence optimization approach based on particle swarm optimizer and neutrosophic set for abdominal CT liver tumor segmentation. <i>Journal of Computational Science</i> , 2018 , 25, 376-387	3.4	24
550	Optimized superpixel and AdaBoost classifier for human thermal face recognition. <i>Signal, Image and Video Processing</i> , 2018 , 12, 711-719	1.6	24
549	An adaptive watermarking approach based on weighted quantum particle swarm optimization. <i>Neural Computing and Applications</i> , 2016 , 27, 469-481	4.8	23
548	RoadMonitor: An Intelligent Road Surface Condition Monitoring System. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 377-387	0.4	23
547	Cyber physical systems design, methodology, and integration: the current status and future outlook. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 9, 1541-1556	3.7	23
546	Two biometric approaches for cattle identification based on features and classifiers fusion. <i>International Journal of Image Mining</i> , 2015 , 1, 342	0	23
545	Plant classification system based on leaf features 2014 ,		23
544	Machine Learning-Based Soccer Video Summarization System. <i>Communications in Computer and Information Science</i> , 2011 , 19-28	0.3	23
543	An improved social spider optimization algorithm based on rough sets for solving minimum number attribute reduction problem. <i>Neural Computing and Applications</i> , 2018 , 30, 2441-2452	4.8	22
542	Automatic acute lymphoblastic leukemia classification model using social spider optimization algorithm. <i>Soft Computing</i> , 2019 , 23, 6345-6360	3.5	22

541	One-dimensional vs. two-dimensional based features: Plant identification approach. <i>Journal of Applied Logic</i> , 2017 , 24, 15-31		22
540	Retinal blood vessel segmentation using bee colony optimisation and pattern search 2014 ,		22
539	SVM-based soccer video summarization system 2011 ,		22
538	Expert System Based on Neural-Fuzzy Rules for Thyroid Diseases Diagnosis. <i>Communications in Computer and Information Science</i> , 2012 , 94-105	0.3	22
537	Particle Swarm Optimization from Theory to Applications. <i>International Journal of Rough Sets and Data Analysis</i> , 2018 , 5, 1-24	0.3	22
536	Log Transform Based Optimal Image Enhancement Using Firefly Algorithm for Autonomous Mini Unmanned Aerial Vehicle: An Application of Aerial Photography. <i>International Journal of Image and Graphics</i> , 2018 , 18, 1850019	0.5	22
535	Multi-objective retinal vessel localization using flower pollination search algorithm with pattern search. <i>Advances in Data Analysis and Classification</i> , 2017 , 11, 611-627	1.8	21
534	A biometric-based model for fish species classification. <i>Fisheries Research</i> , 2018 , 204, 324-336	2.3	21
533	Quantum multiverse optimization algorithm for optimization problems. <i>Neural Computing and Applications</i> , 2019 , 31, 2763-2780	4.8	21
532	Automatic Fruit Image Recognition System Based on Shape and Color Features. <i>Communications in Computer and Information Science</i> , 2014 , 278-290	0.3	20
531	A Discrete Bat Algorithm for the Community Detection Problem. <i>Lecture Notes in Computer Science</i> , 2015 , 188-199	0.9	20
530	Deep Belief Network for clustering and classification of a continuous data 2010 ,		20
529	Delay Tolerant Network assisted flying Ad-Hoc network scenario: modeling and analytical perspective. <i>Wireless Networks</i> , 2019 , 25, 2675-2695	2.5	19
528	Hybrid rough-bijective soft set classification system. <i>Neural Computing and Applications</i> , 2018 , 29, 67-78	4.8	19
527	Comparative Approach Between Singular Value Decomposition and Randomized Singular Value Decomposition-based Watermarking. <i>Studies in Computational Intelligence</i> , 2017 , 133-149	0.8	19
526	Hybrid System based on Rough Sets and Genetic Algorithms for Medical Data Classifications. <i>International Journal of Fuzzy System Applications</i> , 2013 , 3, 31-46	0.6	19
525	Hiding iris data for authentication of digital images using wavelet theory. <i>Pattern Recognition and Image Analysis</i> , 2006 , 16, 637-643	1	19
524	Multimodal Biometric Personal Identification and Verification. <i>Studies in Computational Intelligence</i> , 2018 , 249-276	0.8	18

523	Bio-inspired Swarm Techniques for Thermogram Breast Cancer Detection. <i>Studies in Computational Intelligence</i> , 2016 , 487-506	0.8	18
522	Identification of Heart Valve Disease using Bijective Soft Sets Theory. <i>International Journal of Rough Sets and Data Analysis</i> , 2014 , 1, 1-14	0.3	18
521	Remote Sensing Image Fusion Approach Based on Brovey and Wavelets Transforms. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 311-321	0.4	18
520	Hybrid Rough Neural Network Model for Signature Recognition. <i>Studies in Computational Intelligence</i> , 2018 , 295-318	0.8	18
519	Intelligent Algorithms for Optimal Selection of Virtual Machine in Cloud Environment, Towards Enhance Healthcare Services. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 289-298	0.4	18
518	Chaos-opposition-enhanced slime mould algorithm for minimizing the cost of energy for the wind turbines on high-altitude sites. <i>ISA Transactions</i> , 2021 ,	5.5	18
517	Feature extraction of epilepsy EEG using discrete wavelet transform 2016 ,		18
516	ECG signals classification: a review. <i>International Journal of Intelligent Engineering Informatics</i> , 2017 , 5, 376	0.3	17
515	Multi-class SVM Based Classification Approach for Tomato Ripeness. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 175-186	0.4	17
514	Evaluating the Degree of Trust Under Context Sensitive Relational Database Hierarchy Using Hybrid Intelligent Approach. <i>International Journal of Rough Sets and Data Analysis</i> , 2015 , 2, 1-21	0.3	17
513	Virtual Reality Technology for Blind and Visual Impaired People: Reviews and Recent Advances. <i>Intelligent Systems Reference Library</i> , 2012 , 363-385	0.8	17
512	An efficient retinal blood vessel segmentation in eye fundus images by using optimized top-hat and homomorphic filtering. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 201, 105949	6.9	17
511	The prediction of virus mutation using neural networks and rough set techniques. <i>Eurasip Journal on Bioinformatics and Systems Biology</i> , 2016 , 2016, 10		17
510	Parameter Optimization of Support Vector Machine Using Dragonfly Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 309-319	0.4	16
509	2015 ,		16
508	A Hybrid Approach to Diagnosis of Hepatic Tumors in Computed Tomography Images. <i>International Journal of Rough Sets and Data Analysis</i> , 2014 , 1, 31-48	0.3	16
507	Prostate boundary detection in ultrasound images using biologically-inspired spiking neural network. <i>Applied Soft Computing Journal</i> , 2011 , 11, 2035-2041	7.5	16
506	An Automated Computer-aided Diagnosis System for Abdominal CT Liver Images. <i>Procedia Computer Science</i> , 2016 , 90, 68-73	1.6	16

505	Machine learning in telemetry data mining of space mission: basics, challenging and future directions. <i>Artificial Intelligence Review</i> , 2020 , 53, 3201-3230	9.7	16
504	Towards an Automated Zebrafish-based Toxicity Test Model Using Machine Learning. <i>Procedia Computer Science</i> , 2015 , 65, 643-651	1.6	15
503	Energy-Aware Sink Node Localization Algorithm for Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2015 , 11, 810356	1.7	15
502	Networks Community Detection Using Artificial Bee Colony Swarm Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 229-239	0.4	15
501	COVID-19: a new deep learning computer-aided model for classification. <i>PeerJ Computer Science</i> , 2021 , 7, e358	2.7	15
500	Exploring New Vista of intelligent collaborative filtering: A restaurant recommendation paradigm. <i>Journal of Computational Science</i> , 2018 , 27, 168-182	3.4	15
499	Water Pollution Detection System Based on Fish Gills as a Biomarker. <i>Procedia Computer Science</i> , 2015 , 65, 601-611	1.6	14
498	Ensemble classifiers for biomedical data: Performance evaluation 2013 ,		14
497	Muzzle-Based Cattle Identification Using Speed up Robust Feature Approach 2015 ,		14
496	Brain Computer Interface: A Review. <i>Intelligent Systems Reference Library</i> , 2015 , 3-30	0.8	14
495	A PSO-Inspired Multi-Robot Map Exploration Algorithm Using Frontier-Based Strategy. <i>International Journal of System Dynamics Applications</i> , 2013 , 2, 1-13	0.7	14
494	A Hybrid Approach for Biometric Template Security 2012 ,		14
493	A Predictive Model for Toxicity Effects Assessment of Biotransformed Hepatic Drugs Using Iterative Sampling Method. <i>Scientific Reports</i> , 2016 , 6, 38660	4.9	14
492	A Wheelchair Control System Using Human-Machine Interaction: Single-Modal and Multimodal Approaches. <i>Journal of Intelligent Systems</i> , 2019 , 28, 115-132	1.5	14
491	A Real Time Dactylology Based Feature Extractrion for Selective Image Encryption and Artificial Neural Network. <i>Studies in Computational Intelligence</i> , 2016 , 203-226	0.8	13
490	The Impact of Implantable Sensors in Biomedical Technology on the Future of Healthcare Systems 2019 , 67-89		13
489	Feature Selection Approach Based on Social Spider Algorithm: Case Study on Abdominal CT Liver Tumor 2015 ,		13
488	Attribute reduction approach based on modified flower pollination algorithm 2015 ,		13

487	Hybrid system for lymphatic diseases diagnosis 2013 ,		13
486	Rough neural intelligent approach for image classification: A case of patients with suspected breast cancer. <i>International Journal of Hybrid Intelligent Systems</i> , 2007 , 3, 205-218	0.9	13
485	Rough Set Based Feature Selection for Egyptian Neonatal Jaundice. <i>Communications in Computer and Information Science</i> , 2014 , 367-378	0.3	13
484	Cascade Multimodal Biometric System Using Fingerprint and Iris Patterns. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 590-599	0.4	13
483	Detection of Spiculated Masses in Mammograms Based on Fuzzy Image Processing. <i>Lecture Notes in Computer Science</i> , 2004 , 1002-1007	0.9	13
482	Machine Learning Techniques for Anomalies Detection and Classification. <i>Communications in Computer and Information Science</i> , 2013 , 219-229	0.3	13
481	Pessimistic multi-granulation rough set-based classification for heart valve disease diagnosis. <i>International Journal of Modelling, Identification and Control</i> , 2016 , 26, 42	0.6	13
480	Multi-target QSAR modelling of chemo-genomic data analysis based on Extreme Learning Machine. <i>Knowledge-Based Systems</i> , 2020 , 188, 104977	7.3	13
479	Optimized hierarchical routing technique for wireless sensors networks. <i>Soft Computing</i> , 2016 , 20, 4549-4564	3.5	12
478	Multi-layer hybrid machine learning techniques for anomalies detection and classification approach 2013 ,		12
477	Breast Cancer Diagnosis Approach Based on Meta-Heuristic Optimization Algorithm Inspired by the Bubble-Net Hunting Strategy of Whales. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 306-313	0.4	12
476	Plant Identification: Two Dimensional-Based Vs. One Dimensional-Based Feature Extraction Methods. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 375-385	0.4	12
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255	Climate Recommender System for Wheat Cultivation in North Egyptian Sinai Peninsula. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 121-130	0.4	3
254	Applying formal concept analysis for visualizing DNA methylation status in breast cancer tumor subtypes 2013 ,		3

253	Automatic Segmentation and Classification of Liver Abnormalities Using Fractal Dimension 2013,		3
252	Cloud Computing Forensic Analysis: Trends and Challenges. <i>Intelligent Systems Reference Library,</i> 2017, 3-23	0.8	3
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249	A hybrid flower pollination optimization based modified multi-scale retinex for blood cell microscopic image enhancement 2017,		3
248	2017,		3
247	Neutrosophic rule-based prediction system for assessment of pollution on Benthic Foraminifera in Burullus Lagoon in Egypt 2017,		3
246	Cloud Computing Framework for Solving Virtual College Educations: A Case of Egyptian Virtual University. <i>Advances in Intelligent Systems and Computing,</i> 2015, 395-407	0.4	3
245	2014,		3
244	Computational Social Networks: Tools, Perspectives, and Challenges 2012, 3-23		3
243	Retinal vessels segmentation based on water flooding model 2013,		3
242	A novel approach to allow multiple resales of DRM-protected contents 2013,		3
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240	A Blind 3D Watermarking Approach for 3D Mesh Using Clustering Based Methods. <i>International Journal of Computer Vision and Image Processing,</i> 2013, 3, 43-53	0.7	3
239	Fuzzy Clustering with Multi-Resolution Bilateral Filtering for Medical Image Segmentation. <i>International Journal of Fuzzy System Applications,</i> 2013, 3, 47-59	0.6	3
238	Towards secure mobile agent based e-cash system 2011,		3
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236	Rough Set Approach for Classification of Breast Cancer Mammogram Images. <i>Lecture Notes in Computer Science,</i> 2006, 224-231	0.9	3

235	Digital mammogram segmentation algorithm using pulse coupled neural networks		3
234	A Novel Hybrid Binarization Technique for Images of Historical Arabic Manuscripts. <i>Studies in Informatics and Control</i> , 2015 , 24,	2.1	3
233	Automatic Mammographic Parenchyma Classification According to BIRADS Dictionary. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2014 , 22-37	0.4	3
232	An Optimized Deep Convolutional Neural Network to Identify Nanoscience Scanning Electron Microscope Images Using Social Ski Driver Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 492-501	0.4	3
231	Machine Learning for Apple Fruit Diseases Classification System. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 16-25	0.4	3
230	Weighted Generalized Fuzzy Petri Nets and Rough Sets for Knowledge Representation and Reasoning. <i>Lecture Notes in Computer Science</i> , 2020 , 61-77	0.9	3
229	Stacking Deep Learning for Early COVID-19 Vision Diagnosis. <i>Studies in Big Data</i> , 2020 , 297-307	0.9	3
228	Big DNA Methylation Data Analysis and Visualizing in a Common Form of Breast Cancer. <i>Studies in Big Data</i> , 2015 , 375-392	0.9	3
227	Memetic Artificial Bee Colony for Integer Programming. <i>Communications in Computer and Information Science</i> , 2014 , 268-277	0.3	3
226	Melanoma Classification Based on Ensemble Classification of Dermoscopy Image Features. <i>Communications in Computer and Information Science</i> , 2014 , 291-298	0.3	3
225	Region-based Image Fusion Approach of Panchromatic and Multi-spectral Images. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 535-545	0.4	3
224	Enhanced Region Growing Segmentation for CT Liver Images. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 115-127	0.4	3
223	Enzyme Function Classification Based on Borda Count Ranking Aggregation Method. <i>Studies in Big Data</i> , 2016 , 75-85	0.9	3
222	Computer Aided Diagnosis System for Mammogram Abnormality. <i>Studies in Computational Intelligence</i> , 2016 , 175-191	0.8	3
221	NRCS: Neutrosophic Rule-Based Classification System. <i>Lecture Notes in Networks and Systems</i> , 2018 , 627-639	0.9	3
220	Cube Satellite Failure Detection and Recovery Using Optimized Support Vector Machine. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 664-674	0.4	3
219	Machine Learning Techniques for Prostate Ultrasound Image Diagnosis. <i>Studies in Computational Intelligence</i> , 2010 , 385-403	0.8	3
218	Rough Image Colour Quantisation. <i>Lecture Notes in Computer Science</i> , 2009 , 217-222	0.9	3

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216	Contrast Enhancement of Breast MRI Images Based on Fuzzy Type-II. <i>Advances in Intelligent and Soft Computing</i> , 2011 , 77-83		3
215	Retinal Feature-Based Registration Schema. <i>Communications in Computer and Information Science</i> , 2011 , 26-36	0.3	3
214	Key Pre-distribution Techniques for WSN Security Services. <i>Intelligent Systems Reference Library</i> , 2014 , 265-283	0.8	3
213	Improving Enzyme Function Classification Performance Based on Score Fusion Method. <i>Lecture Notes in Computer Science</i> , 2015 , 530-542	0.9	3
212	Prediction of Solar Activity Using Hybrid Artificial Bee Colony With Neighborhood Rough Sets. <i>IEEE Transactions on Computational Social Systems</i> , 2020 , 7, 1123-1130	4.5	3
211	Identification of Diabetes Disease Using Committees of Neural Network-Based Classifiers. <i>Studies in Big Data</i> , 2016 , 65-74	0.9	3
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209	Artificial Intelligence Approach to Predict the COVID-19 Patient Recovery. <i>Studies in Systems, Decision and Control</i> , 2021 , 121-133	0.8	3
208	Classification of COVID19 X-ray Images Based on Transfer Learning InceptionV3 Deep Learning Model. <i>Studies in Systems, Decision and Control</i> , 2021 , 111-119	0.8	3
207	Intuitionistic Fuzzy Sets and Dynamic Programming for Multi-objective Non-linear Programming Problems. <i>International Journal of Fuzzy Systems</i> , 2021 , 23, 334-352	3.6	3
206	Drones Combat COVID-19 Epidemic: Innovating and Monitoring Approach. <i>Studies in Systems, Decision and Control</i> , 2021 , 175-188	0.8	3
205	Security and Privacy in Smart City Applications and Services: Opportunities and Challenges. <i>Advanced Sciences and Technologies for Security Applications</i> , 2019 , 1-15	0.6	2
204	2015 ,		2
203	An Efficient Scheme for Video Delivery in Wireless Networks. <i>Studies in Big Data</i> , 2018 , 207-225	0.9	2
202	Arabian Horse Identification System Based on Live Captured Muzzle Print Images. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 778-787	0.4	2
201	Ensemble-based classifiers for prostate cancer diagnosis 2013 ,		2
200	Controlling Rumor Cascade over Social Networks. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 456-466	0.4	2

199	Meta-Heuristic Algorithm Inspired by Grey Wolves for Solving Function Optimization Problems. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 480-490	0.4	2
198	Falling Detection System Based on Machine Learning 2015 ,		2
197	Case-Based Reasoning: A Knowledge Extraction Tool to Use. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 369-378	0.4	2
196	Automated Classification of Galaxies Using Invariant Moments. <i>Lecture Notes in Computer Science</i> , 2012 , 103-111	0.9	2
195	Intelligent agent in telecommunication systems. <i>Telecommunication Systems</i> , 2011 , 46, 191-193	2.3	2
194	Pattern-based subspace classification model 2010 ,		2
193	Fuzzified Aho-Corasick search automata 2010 ,		2
192	Known-ciphertext cryptanalysis approach for the Data Encryption Standard technique 2010 ,		2
191	Feature evaluation based Fuzzy C-Mean classification 2011 ,		2
190	A Gaussian Mixture Models Approach to Human Heart Signal Verification Using Different Feature Extraction Algorithms. <i>Communications in Computer and Information Science</i> , 2012 , 16-24	0.3	2
189	A Generic Scheme for Generating Prediction Rules Using Rough Sets. <i>Studies in Computational Intelligence</i> , 2009 , 163-186	0.8	2
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185	Energy-Efficient Routing Techniques for Wireless Sensors Networks. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2016 , 37-62	0.3	2
184	Enhanced Breast Cancer Diagnosis System Using Fuzzy Clustering Means Approach in Digital Mammography. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2017 , 925-941	0.4	2
183	Classification of Human Sperm Head in Microscopic Images Using Twin Support Vector Machine and Neural Network. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 857-871	0.4	2
182	COVID-19 Contact Tracing and Detection-Based on Blockchain Technology. <i>Informatics</i> , 2021 , 8, 72	2.2	2

181	Artificial Intelligence in Potato Leaf Disease Classification: A Deep Learning Approach. <i>Studies in Big Data</i> , 2021 , 63-79	0.9	2
180	Multi-agent Artificial Immune System for Network Intrusion Detection and Classification. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 145-154	0.4	2
179	Prediction of Antioxidant Status in Fish Farmed on Selenium Nanoparticles using Neural Network Regression Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 353-364	0.4	2
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175	Object-Based Image Retrieval System Using Rough Set Approach. <i>Intelligent Systems Reference Library</i> , 2012 , 315-329	0.8	2
174	A Fast and Secure One-Way Hash Function. <i>Communications in Computer and Information Science</i> , 2011 , 85-93	0.3	2
173	Rough Sets-Based Identification of Heart Valve Diseases Using Heart Sounds. <i>Lecture Notes in Computer Science</i> , 2012 , 667-676	0.9	2
172	Effective Classification and Categorization for Categorical Sets: Distance Similarity Measures. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 359-368	0.4	2
171	Co-registration of Satellite Images Based on Invariant Local Features. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 653-660	0.4	2
170	Prostate Boundary Detection in Ultrasound Images Based on Type-II Fuzzy Sets and Modified Fuzzy C-Means. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 187-195		2
169	ARIAS: Automated Retinal Image Analysis System. <i>Advances in Intelligent and Soft Computing</i> , 2011 , 67-76		2
168	White Blood Cells Segmentation and Classification Using Swarm Optimization Algorithms and Multilayer Perceptron. <i>International Journal of Sociotechnology and Knowledge Development</i> , 2021 , 13, 16-30	0.4	2
167	Orthogonal Latin squares-based firefly optimization algorithm for industrial quadratic assignment tasks. <i>Neural Computing and Applications</i> , 2021 , 33, 16675	4.8	2
166	Credibility investigation of newsworthy tweets using a visualising Petri net model 2016 ,		2
165	Discrete Group Search Optimizer for community detection in multidimensional social network 2016 ,		2
164	Fuzzy C-Means based on Minkowski distance for liver CT image segmentation. <i>Intelligent Decision Technologies</i> , 2016 , 10, 393-406	0.7	2

163	Biomechanics of artificial intervertebral disc with different materials using finite element method. <i>Soft Computing</i> , 2019 , 23, 9215-9236	3.5	2
162	Optimizing Support Vector Machine Parameters Using Bat Optimization Algorithm. <i>Studies in Computational Intelligence</i> , 2019 , 351-374	0.8	2
161	Statistical Insights and Association Mining for Terrorist Attacks in Egypt. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 291-300	0.4	2
160	Dental Age Estimation: A Machine Learning Perspective. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 722-733	0.4	2
159	An Optimized Classification Model for COVID-19 Pandemic Based on Convolutional Neural Networks and Particle Swarm Optimization Algorithm. <i>Studies in Systems, Decision and Control</i> , 2021 , 43-61	0.8	2
158	Cognitive Deep Learning 2021 , 2152-2163		2
157	Hybrid intelligent model for classifying chest X-ray images of COVID-19 patients using genetic algorithm and neutrosophic logic. <i>Soft Computing</i> , 2021 , 1-16	3.5	2
156	End-to-End Deep Learning Model for Corn Leaf Disease Classification. <i>IEEE Access</i> , 2022 , 10, 31103-31115	3.5	2
155	Rough local transfer function for cardiac disorders detection using heart sounds. <i>Logic Journal of the IGPL</i> , 2015 , 23, 506-520	1	1
154	A Robust and Blind 3D Mesh Watermarking Approach Based on Particle Swarm Optimization. <i>International Journal of Sociotechnology and Knowledge Development</i> , 2020 , 12, 24-48	0.4	1
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150	Multi-parties Quantum Secure Direct Communication with Authentication. <i>Studies in Big Data</i> , 2018 , 143-184	0.9	1
149	Quantum Computing and Cryptography: An Overview. <i>Studies in Big Data</i> , 2018 , 63-100	0.9	1
148	Watermarking 3D Triangular Mesh Models Using Intelligent Vertex Selection. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 617-627	0.4	1
147	An Adaptive PSO-Based Sink Node Localization Approach for Wireless Sensor Networks. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 679-688	0.4	1
146	Automated toxicity test model based on a bio-inspired technique and AdaBoost classifier. <i>Computers and Electrical Engineering</i> , 2018 , 71, 346-358	4.3	1

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140	Texture-based rotation-invariant Histograms of Oriented Gradients 2015 ,		1
139	PSilhouette: Towards an Optimal Number of Clusters Using a Nested Particle Swarm Approach for Liver CT Image Segmentation. <i>Communications in Computer and Information Science</i> , 2014 , 331-343	0.3	1
138	Fall detection system of elderly people based on integral image and histogram of oriented gradient feature 2014 ,		1
137	2014 ,		1
136	Multi-class image annotation approach using particle swarm optimization 2012 ,		1
135	Automatic image annotation via incorporating Naive Bayes with particle swarm optimization 2012 ,		1
134	Optimize the correspondence using Particle Swarm Optimization for medical image registration 2012 ,		1
133	Performance evaluation of computed tomography liver image segmentation approaches 2012 ,		1
132	Evaluating the effects of K-means clustering approach on medical images 2012 ,		1
131	Hybrid Self Organizing Neurons and Evolutionary Algorithms for Global Optimization. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012 , 9, 304-309	0.3	1
130	An intelligent recommender system for drinking water quality 2013 ,		1
129	TESLA-based secure routing protocol for wireless sensor networks 2011 ,		1
128	Determining protrusion cephalometric readings from panoramic radiographic images 2012 ,		1

127	Clustering Analysis Based on Coyote Search Technique. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 182-192	0.4	1
126	Transfer Learning with a Fine-Tuned CNN Model for Classifying Augmented Natural Images. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 843-856	0.4	1
125	Multiple Sequence Alignment Optimization Using Meta-Heuristic Techniques 2020 , 565-579		1
124	An Examination System to Classify the Breast Thermal Images into Early/Acute DCIS Class. <i>Lecture Notes in Networks and Systems</i> , 2021 , 209-220	0.5	1
123	A Novel Approach for Solving a Fully Rough Multi-Level Quadratic Programming Problem and Its Application. <i>International Journal of Service Science, Management, Engineering, and Technology</i> , 2020 , 11, 137-165	0.9	1
122	Hybrid Data Mining Approach for Image Segmentation Based Classification 2017 , 1543-1561		1
121	Color Invariant Representation and Applications. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2017 , 1041-1061	0.4	1
120	A Feature Selection Approach for Network Intrusion Classification. <i>International Journal of Computer Vision and Image Processing</i> , 2013 , 3, 51-59	0.7	1
119	Binarization and Validation in Formal Concept Analysis. <i>International Journal of Systems Biology and Biomedical Technologies</i> , 2012 , 1, 16-27		1
118	An Automated Fish Species Identification System Based on Crow Search Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 112-123	0.4	1
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116	Parameters Optimization of Support Vector Machine Based on the Optimal Foraging Theory. <i>Studies in Computational Intelligence</i> , 2019 , 309-326	0.8	1
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114	Fuzzy Petri Nets and Interval Analysis Working Together. <i>Studies in Fuzziness and Soft Computing</i> , 2019 , 395-413	0.7	1
113	Multiple Cyclic Swarming Optimization for Uni- and Multi-modal Functions. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 887-898	0.4	1
112	Convolutional Neural Network with Batch Normalization for Classification of Endoscopic Gastrointestinal Diseases. <i>Studies in Big Data</i> , 2021 , 113-128	0.9	1
111	Automatic 3D Reconstruction Detection System for Knee Osteoarthritis Based on K-Means Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 819-828	0.4	1
110	Artificial Intelligence-Based Plant Diseases Classification. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 3-15	0.4	1

109	An Artificial Intelligence System for Apple Fruit Disease Classification Based on Support Vector Machine and Cockroach Swarm Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 137-147	0.4	1
108	Rough Power Set Tree for Feature Selection and Classification: Case Study on MRI Brain Tumor. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 259-270	0.4	1
107	Evaluating the Propagation Strength of Malicious Metaphor in Social Network: Flow Through Inspiring Influence of Members. <i>Intelligent Systems Reference Library</i> , 2014 , 201-213	0.8	1
106	Registration of Optical and Radar Satellite Images Using Local Features and Non-rigid Geometric Transformations. <i>Lecture Notes in Geoinformation and Cartography</i> , 2015 , 249-261	0.3	1
105	Semi-automated System for Cup to Disc Measurement for Diagnosing Glaucoma Using Classification Paradigm. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 653-663	0.4	1
104	Automatic White Blood Cell Counting Approach Based on Flower Pollination Optimization Multilevel Thresholding Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 313-323	0.4	1
103	Automatic Sheep Weight Estimation Based on K-Means Clustering and Multiple Linear Regression. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 546-555	0.4	1
102	Density Based Fuzzy Thresholding for Image Segmentation. <i>Communications in Computer and Information Science</i> , 2012 , 118-127	0.3	1
101	A Blind Robust 3D-Watermarking Scheme Based on Progressive Mesh and Self Organization Maps. <i>Communications in Computer and Information Science</i> , 2013 , 131-142	0.3	1
100	Challenges of Big Data Visualization in Internet-of-Things Environments. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 873-885	0.4	1
99	3D Watermarking Approach Using Particle Swarm Optimization Algorithm. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2017 , 582-613	0.4	1
98	A Rough Clustering Algorithm Based on Entropy Information. <i>Advances in Intelligent and Soft Computing</i> , 2011 , 213-222		1
97	Associative Watermarking Scheme for Medical Image Authentication. <i>Advances in Intelligent and Soft Computing</i> , 2011 , 43-50		1
96	Using Particle Swarm Optimization for Image Regions Annotation. <i>Lecture Notes in Computer Science</i> , 2012 , 241-250	0.9	1
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93	A 3D image segmentation for lung cancer using V.Net architecture based deep convolutional networks. <i>Journal of Medical Engineering and Technology</i> , 2021 , 45, 337-343	1.8	1
92	Enzyme vs. non-enzyme classification based on principal component analysis and AdaBoost classifier 2016 ,		1

91	Automatic Counting of Infected White Blood Cells Using Multi-Level Thresholding 2019 ,		1
90	A Robust 3D Mesh Watermarking Approach Based on Genetic Algorithm 2019 ,		1
89	2019 ,		1
88	Personal Identification Based on Mobile-Based Keystroke Dynamics. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 457-466	0.4	1
87	Land Cover Classification Using Deep Convolutional Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 911-920	0.4	1
86	COVID-19 vs influenza viruses: A cockroach optimized deep neural network classification approach. <i>International Journal of Imaging Systems and Technology</i> , 2021 , 31, 472	2.5	1
85	Metaheuristic Algorithms for Detect Communities in Social Networks: A Comparative Analysis Study. <i>International Journal of Rough Sets and Data Analysis</i> , 2018 , 5, 25-45	0.3	1
84	Genetic-based adaptive momentum estimation for predicting mortality risk factors for COVID-19 patients using deep learning. <i>International Journal of Imaging Systems and Technology</i> , 2021 ,	2.5	1
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82	COVID-19 and Water Resources Nexus: Potential Routes for Virus Spread and Management Using Artificial Intelligence Techniques. <i>Studies in Systems, Decision and Control</i> , 2021 , 19-39	0.8	1
81	Classification of Ear Imagery Database using Bayesian Optimization based on CNN-LSTM Architecture.. <i>Journal of Digital Imaging</i> , 2022 , 1	5.3	1
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79	Arabian horse identification based on whale optimised multi-class support vector machine. <i>International Journal of Computer Applications in Technology</i> , 2020 , 63, 83	0.7	0
78	Automatic segmentation system for liver tumors based on the multilevel thresholding and electromagnetism optimization algorithm. <i>International Journal of Imaging Systems and Technology</i> , 2020 , 30, 1256-1270	2.5	0
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75	Multi-objective Butterfly Optimization Algorithm for Solving Constrained Optimization Problems 2022 , 389-400		0
74	Modified Tunicate Swarm Algorithm for Nonlinear Optimization Problems. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2022 , 366-381	0.4	0

73	Automatic Counting and Visual Multi-tracking System for Human Sperm in Microscopic Video Frames. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 525-531	0.4	o
72	Interest Points Detection of 3D Mesh Model Using K Means and Shape Curvature. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 415-424	0.4	o
71	Tensor-Based Anomaly Detection for Satellite Telemetry Data. <i>Studies in Computational Intelligence</i> , 2020 , 3-16	0.8	o
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69	Feature Selection Based Coral Reefs Optimization for Breast Cancer Classification. <i>Studies in Computational Intelligence</i> , 2022 , 53-72	0.8	o
68	A hybrid chameleon swarm algorithm with superiority of feasible solutions for optimal combined heat and power economic dispatch problem. <i>Energy</i> , 2022 , 124340	7.9	o
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66	IPsec Multicast Architecture Based on Quantum Key Distribution, Quantum Secret Sharing and Measurement. <i>Studies in Big Data</i> , 2018 , 123-142	0.9	
65	Different Architectures of Quantum Key Distribution Network. <i>Studies in Big Data</i> , 2018 , 41-61	0.9	
64	Newcastle Disease Virus Clustering Based on Swarm Rapid Centroid Estimation. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 359-367	0.4	
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58	Predicting Biological Activity of 2,4,6-trisubstituted 1,3,5-triazines Using Random Forest. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 101-110	0.4	
57	Plant Recommender System Based on Multi-label Classification. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 825-835	0.4	
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