

About Ella Hassanien

List of Publications by Year in Descending Order

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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	Self-organizing Maps and Bayesian Regularized Neural Network for Analyzing Gasoline and Diesel Price Drifts. <i>International Journal of Computational Intelligence Systems</i> , 2022 , 15, 1	3.4	2
665	Multi-objective Butterfly Optimization Algorithm for Solving Constrained Optimization Problems 2022 , 389-400		0
664	Deep Learning-Based Image Captioning Used to Recognize Malicious or Emergency Activity in an Image. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2022 , 19-29	0.4	
663	Modified Tunicate Swarm Algorithm for Nonlinear Optimization Problems. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2022 , 366-381	0.4	0
662	A Markov Model for Improving the Performance of COVID-19 Contact Tracing App. <i>Lecture Notes in Networks and Systems</i> , 2022 , 88-97	0.5	
661	End-to-End Deep Learning Model for Corn Leaf Disease Classification. <i>IEEE Access</i> , 2022 , 10, 31103-31115	3.5	2
660	Classification of Ear Imagery Database using Bayesian Optimization based on CNN-LSTM Architecture.. <i>Journal of Digital Imaging</i> , 2022 , 1	5.3	1
659	Feature Selection Based Coral Reefs Optimization for Breast Cancer Classification. <i>Studies in Computational Intelligence</i> , 2022 , 53-72	0.8	0
658	COVID-19 Forecasting Based on an Improved Interior Search Algorithm and Multilayer Feed-Forward Neural Network. <i>Studies in Computational Intelligence</i> , 2022 , 129-152	0.8	8
657	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	0
656	A Memory-Based Particle Swarm Optimization for Parameter Identification of Lorenz Chaotic System. <i>Lecture Notes in Networks and Systems</i> , 2022 , 571-587	0.5	0
655	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
654	COVID-19 Contact Tracing and Detection-Based on Blockchain Technology. <i>Informatics</i> , 2021 , 8, 72	2.2	2
653	Artificial Intelligence in Potato Leaf Disease Classification: A Deep Learning Approach. <i>Studies in Big Data</i> , 2021 , 63-79	0.9	2
652	Convolutional Neural Network with Batch Normalization for Classification of Endoscopic Gastrointestinal Diseases. <i>Studies in Big Data</i> , 2021 , 113-128	0.9	1
651	An improved framework for polyp image segmentation based on SegNet architecture. <i>International Journal of Imaging Systems and Technology</i> , 2021 , 31, 1741-1751	2.5	4
650	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

649	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
648	The Problem of Interoperability of Fusion Sensory Data from the Internet of Things 2021 , 157-181		
647	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
646	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
645	Orthogonal Latin squares-based firefly optimization algorithm for industrial quadratic assignment tasks. <i>Neural Computing and Applications</i> , 2021 , 33, 16675	4.8	2
644	Exploring New Vista of Secured and Optimized Data Slicing for Big Data: An IOT Paradigm. <i>Wireless Personal Communications</i> , 2021 , 116, 601-628	1.9	
643	Robust Deep Transfer Models for Fruit and Vegetable Classification: A Step Towards a Sustainable Dietary. <i>Studies in Computational Intelligence</i> , 2021 , 31-44	0.8	
642	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
641	Artificial Intelligence Approach to Predict the COVID-19 Patient Recovery. <i>Studies in Systems, Decision and Control</i> , 2021 , 121-133	0.8	3
640	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
639	Impact of COVID-19 Pandemic on Diet Prediction and Patient Health Based on Support Vector Machine. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 64-76	0.4	
638	Monitoring COVID-19 Disease Using Big Data and Artificial Intelligence-Driven Tools. <i>Studies in Systems, Decision and Control</i> , 2021 , 163-174	0.8	
637	Neuro-Imaging Machine Learning Techniques for Alzheimer's Disease Diagnosis 2021 , 191-209		
636	Cognitive Deep Learning 2021 , 2152-2163		2
635	The Role of Internet of Medical c in Monitoring the Environmental Impact of COVID-19. <i>Studies in Systems, Decision and Control</i> , 2021 , 1-18	0.8	
634	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
633	Land Cover Classification Using Deep Convolutional Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 911-920	0.4	1
632	A novel perceptual two layer image fusion using deep learning for imbalanced COVID-19 dataset. <i>PeerJ Computer Science</i> , 2021 , 7, e364	2.7	10

631	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
630	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
629	COVID-19: a new deep learning computer-aided model for classification. <i>PeerJ Computer Science</i> , 2021 , 7, e358	2.7	15
628	HANA: A Healthy Artificial Nutrition Analysis model during COVID-19 pandemic. <i>Computers in Biology and Medicine</i> , 2021 , 135, 104606	7	7
627	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
626	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
625	Optimized support vector machines for unveiling mortality incidence in Tilapia fish. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 3081-3090	4.4	1
624	Predictive model for progressive salinization in a coastal aquifer using artificial intelligence and hydrogeochemical techniques: a case study of the Nile Delta aquifer, Egypt. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	5
623	A novel melanoma prediction model for imbalanced data using optimized SqueezeNet by bald eagle search optimization. <i>Computers in Biology and Medicine</i> , 2021 , 136, 104712	7	11
622	Drones Combat COVID-19 Epidemic: Innovating and Monitoring Approach. <i>Studies in Systems, Decision and Control</i> , 2021 , 175-188	0.8	3
621	Approach for Training Quantum Neural Network to Predict Severity of COVID-19 in Patients. <i>Computers, Materials and Continua</i> , 2021 , 66, 1745-1755	3.9	5
620	The Role of Emerging Technologies for Combating COVID-19 Pandemic. <i>Studies in Systems, Decision and Control</i> , 2021 , 21-41	0.8	
619	Neutrosophic rule-based classification system and its medical applications 2021 , 119-135		
618	Applications of Deep Learning in Predicting Natural Disasters Concurrent with the COVID-19 Pandemic: Short Review and Recommendations. <i>Studies in Systems, Decision and Control</i> , 2021 , 105-120	0.8	
617	COVID-19 Outbreak and Its Effect on Global Environment Sustainable System: Recommendation and Future Challenges. <i>Studies in Systems, Decision and Control</i> , 2021 , 163-177	0.8	
616	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
615	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
614	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

613	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
612	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
611	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
610	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
609	An enhanced siting/sizing scheme for shunt capacitors in radial distribution systems using improved atom search optimization. <i>Neural Computing and Applications</i> , 2020 , 32, 13971-13999	4.8	7
608	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
607	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
606	An Automated CAD System of CT Chest Images for COVID-19 Based on Genetic Algorithm and K-Nearest Neighbor Classifier. <i>Ingenierie Des Systemes Dinformation</i> , 2020 , 25, 589-594	2	6
605	Deep Learning 2020 ,		12
604	Clustering Analysis Based on Coyote Search Technique. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 182-192	0.4	1
603	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
602	Energy-Efficient Routing Techniques for Wireless Sensors Networks 2020 , 917-944		
601	Multiple Sequence Alignment Optimization Using Meta-Heuristic Techniques 2020 , 565-579		1
600	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
599	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
598	Design, Implementation, and Validation of Satellite Simulator and Data Packets Analysis. <i>Studies in Computational Intelligence</i> , 2020 , 79-103	0.8	
597	Information Integrity for Multi-sensors Data Fusion in Smart Mobility. <i>Studies in Computational Intelligence</i> , 2020 , 99-121	0.8	4
596	Design, Implementation, and Testing of Unpacking System for Telemetry Data of Artificial Satellites: Case Study: EGYSAT1. <i>Studies in Computational Intelligence</i> , 2020 , 147-163	0.8	

595	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
594	The Detection of COVID-19 in CT Medical Images: A Deep Learning Approach. <i>Studies in Big Data</i> , 2020 , 73-90	0.9	5
593	Multiple Cyclic Swarming Optimization for Uni- and Multi-modal Functions. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 887-898	0.4	1
592	Optimized Twin Support Vector Clustering in Transmission Electron Microscope of Cobalt Nanoparticles. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 829-842	0.4	
591	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
590	Tensor-Based Anomaly Detection for Satellite Telemetry Data. <i>Studies in Computational Intelligence</i> , 2020 , 3-16	0.8	0
589	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
588	Artificial Intelligence-Based Plant Diseases Classification. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 3-15	0.4	1
587	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
586	Machine Learning for Apple Fruit Diseases Classification System. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 16-25	0.4	3
585	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
584	Stacking Deep Learning for Early COVID-19 Vision Diagnosis. <i>Studies in Big Data</i> , 2020 , 297-307	0.9	3
583	Challenges of Big Data Visualization in Internet-of-Things Environments. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 873-885	0.4	1
582	Real-time multiple spatiotemporal action localization and prediction approach using deep learning. <i>Neural Networks</i> , 2020 , 128, 331-344	9.1	7
581	Vision Tracking: A Survey of the State-of-the-Art. <i>SN Computer Science</i> , 2020 , 1, 1	2	11
580	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
579	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
578	Why Are Generative Adversarial Networks Vital for Deep Neural Networks? A Case Study on COVID-19 Chest X-Ray Images. <i>Studies in Big Data</i> , 2020 , 147-162	0.9	8

577	A hybrid Harris hawks-Nelder-Mead optimization for practical nonlinear ordinary differential equations. <i>Evolutionary Intelligence</i> , 2020 , 1	1.7	4
576	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
575	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
574	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
573	ARTIFICIAL INTELLIGENT SYSTEM FOR SKIN DISEASES CLASSIFICATION. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2020 , 32, 2050036	0.6	
572	Rough sets and social ski-driver optimization for drug toxicity analysis. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 197, 105702	6.9	4
571	. <i>IEEE Access</i> , 2020 , 8, 185816-185829	3.5	7
570	Hybridization of Grey Wolf Optimizer and Crow Search Algorithm Based on Dynamic Fuzzy Learning Strategy for Large-Scale Optimization. <i>IEEE Access</i> , 2020 , 8, 161593-161611	3.5	5
569	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
568	The health of things for classification of protein structure using improved grey wolf optimization. <i>Journal of Supercomputing</i> , 2020 , 76, 1226-1241	2.5	11
567	A survey of swarm and evolutionary computing approaches for deep learning. <i>Artificial Intelligence Review</i> , 2020 , 53, 1767-1812	9.7	58
566	New binary whale optimization algorithm for discrete optimization problems. <i>Engineering Optimization</i> , 2020 , 52, 945-959	2	51
565	Toxicity risks evaluation of unknown FDA biotransformed drugs based on a multi-objective feature selection approach. <i>Applied Soft Computing Journal</i> , 2020 , 97, 105509	7.5	6
564	Binary Whale Optimization Algorithm and Binary Moth Flame Optimization with Clustering Algorithms for Clinical Breast Cancer Diagnoses. <i>Journal of Classification</i> , 2020 , 37, 66-96	1.2	11
563	Optimized Feed Forward Neural Network for Microscopic White Blood Cell Images Classification. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 758-767	0.4	3
562	Statistical Insights and Association Mining for Terrorist Attacks in Egypt. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 291-300	0.4	2
561	Data Augmentation and Feature Fusion for Melanoma Detection with Content Based Image Classification. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 712-721	0.4	4
560	Dental Age Estimation: A Machine Learning Perspective. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 722-733	0.4	2

559	Parameter identification of two dimensional digital filters using electro-magnetism optimization. <i>Multimedia Tools and Applications</i> , 2020 , 79, 5005-5022	2.5	6
558	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
557	Intelligent Health Monitoring Systems for Space Missions Based on Data Mining Techniques. <i>Studies in Computational Intelligence</i> , 2020 , 65-78	0.8	6
556	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
555	Smart antenna design for high-speed moving vehicles with minimum return loss. <i>International Journal of Communication Systems</i> , 2020 , 33, e4414	1.7	
554	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
553	Optimizing topologies in wireless sensor networks: A comparative analysis between the Grey Wolves and the Chicken Swarm Optimization algorithms. <i>Computer Networks</i> , 2019 , 163, 106882	5.4	7
552	Quantum-Behaved Particle Swarm Optimization for Parameter Optimization of Support Vector Machine. <i>Journal of Classification</i> , 2019 , 36, 576-598	1.2	29
551	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
550	. <i>IEEE Access</i> , 2019 , 7, 83461-83473	3.5	3
549	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
548	. <i>IEEE Access</i> , 2019 , 7, 31681-31687	3.5	9
547	Enhanced Elephant Herding Optimization for Global Optimization. <i>IEEE Access</i> , 2019 , 7, 34738-34752	3.5	31
546	Delay Tolerant Network assisted flying Ad-Hoc network scenario: modeling and analytical perspective. <i>Wireless Networks</i> , 2019 , 25, 2675-2695	2.5	19
545	Epileptic detection based on whale optimization enhanced support vector machine. <i>Journal of Information and Optimization Sciences</i> , 2019 , 40, 699-723	1.1	9
544	Dynamic Wireless Sensor Networks. <i>Studies in Systems, Decision and Control</i> , 2019 ,	0.8	8
543	Hierarchical and Clustering WSN Models: Their Requirements for Complex Applications. <i>Studies in Systems, Decision and Control</i> , 2019 , 53-71	0.8	5
542	Secure Data Transmission in WSN: An Overview. <i>Studies in Systems, Decision and Control</i> , 2019 , 115-143	0.8	11

541	S-shaped Binary Whale Optimization Algorithm for Feature Selection. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 79-87	0.4	70
540	3D Object Recognition Based on Data Fusion at Feature Level via Principal Component Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 177-185	0.4	
539	An Encryption Model for Data Processing in WSN. <i>Studies in Systems, Decision and Control</i> , 2019 , 145-169	0.8	5
538	Color MRI Image Segmentation Using Quantum-Inspired Modified Genetic Algorithm-Based FCM. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 151-164	0.4	3
537	Automatic acute lymphoblastic leukemia classification model using social spider optimization algorithm. <i>Soft Computing</i> , 2019 , 23, 6345-6360	3.5	22
536	A novel chaotic optimal foraging algorithm for unconstrained and constrained problems and its application in white blood cell segmentation. <i>Neural Computing and Applications</i> , 2019 , 31, 7633-7664	4.8	8
535	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
534	Chaotic dragonfly algorithm: an improved metaheuristic algorithm for feature selection. <i>Applied Intelligence</i> , 2019 , 49, 188-205	4.9	104
533	Expand Mobile WSN Coverage in Harsh Environments. <i>Studies in Systems, Decision and Control</i> , 2019 , 29-52	0.8	10
532	Optimizing Cluster Head Selection in WSN to Prolong Its Existence. <i>Studies in Systems, Decision and Control</i> , 2019 , 93-111	0.8	6
531	Multi-verse Optimization Clustering Algorithm for Binarization of Handwritten Documents. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 165-175	0.4	5
530	The Impact of Implantable Sensors in Biomedical Technology on the Future of Healthcare Systems 2019 , 67-89		13
529	A Hybrid Swarm Optimization Approach for Document Binarization. <i>Studies in Informatics and Control</i> , 2019 , 28, 65-76	2.1	2
528	Deep Iris: Deep Learning for Gender Classification Through Iris Patterns. <i>Acta Informatica Medica</i> , 2019 , 27, 96-102	1.9	11
527	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	0
526	Robust Simulation and Visualization of Satellite Orbit Tracking System. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 505-514	0.4	
525	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	0
524	Arabian Horse Identification System Based on Support Vector Machines. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 535-545	0.4	

523	A Predictive Model for Seminal Quality Using Neutrosophic Rule-Based Classification System. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 495-504	0.4	
522	Bio-inspired Optimization Algorithms for Segmentation and Removal of Interphase Cells from Metaphase Chromosomes Images. <i>Studies in Computational Intelligence</i> , 2019 , 451-474	0.8	
521	Parameters Optimization of Support Vector Machine Based on the Optimal Foraging Theory. <i>Studies in Computational Intelligence</i> , 2019 , 309-326	0.8	1
520	Performance Evaluation of Sine-Cosine Optimization Versus Particle Swarm Optimization for Global Sequence Alignment Problem. <i>Studies in Computational Intelligence</i> , 2019 , 375-391	0.8	1
519	Fuzzy Petri Nets and Interval Analysis Working Together. <i>Studies in Fuzziness and Soft Computing</i> , 2019 , 395-413	0.7	1
518	Enzyme Function Classification 2019 , 380-405		
517	Swarm Intelligence Based on Remote Sensing Image Fusion 2019 , 211-231		
516	Mobile Object Tracking in Wide Environments Using WSNs. <i>Studies in Systems, Decision and Control</i> , 2019 , 3-28	0.8	5
515	Extending Homogeneous WSN Lifetime in Dynamic Environments Using the Clustering Model. <i>Studies in Systems, Decision and Control</i> , 2019 , 73-92	0.8	9
514	Using Wireless Sensor to Acquire Live Data on a SCADA System, Towards Monitoring File Integrity. <i>Studies in Systems, Decision and Control</i> , 2019 , 171-191	0.8	2
513	Integrated Multi-sensor Monitoring Robot for Inpatient Rooms in Hospital Environment. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 117-126	0.4	2
512	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
511	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
510	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
509	An exploration-enhanced elephant herding optimization. <i>Engineering Computations</i> , 2019 , 36, 3029-3046	0.4	4
508	Deep bacteria: robust deep learning data augmentation design for limited bacterial colony dataset. <i>International Journal of Reasoning-based Intelligent Systems</i> , 2019 , 11, 256	0.4	8
507	Automatic Counting of Infected White Blood Cells Using Multi-Level Thresholding 2019 ,		1
506	A Robust 3D Mesh Watermarking Approach Based on Genetic Algorithm 2019 ,		1

505	2019,			1
504	Anomaly detection of satellite telemetry based on optimized extreme learning machine. <i>Journal of Space Safety Engineering</i> , 2019 , 6, 291-298		0.9	5
503	IoT-based intensive care secure framework for patient monitoring and tracking. <i>International Journal of Grid and Utility Computing</i> , 2019 , 10, 475		1.1	4
502	Chaotic Bird Swarm Optimization Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 294-303		0.4	4
501	Spherical Local Search for Global Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 304-312		0.4	
500	Aquarium Family Fish Species Identification System Using Deep Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 347-356		0.4	8
499	Personal Identification Based on Mobile-Based Keystroke Dynamics. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 457-466		0.4	1
498	A Novel Rough Sets Positive Region Based Parallel Multi-reduction Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 515-524		0.4	
497	Spiking neural P grey wolf optimization system: Novel strategies for solving non-determinism problems. <i>Expert Systems With Applications</i> , 2019 , 121, 204-220		7.8	6
496	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
495	Blockchains for Smart Cities: A Survey. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2019 , 193-210		0.3	8
494	A movable damped wave algorithm for solving global optimization problems. <i>Evolutionary Intelligence</i> , 2019 , 12, 49-72		1.7	10
493	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
492	A novel PSO algorithm for dynamic wireless sensor network multiobjective optimization problem. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019 , 30, e3523		1.9	11
491	Biomechanics of artificial intervertebral disc with different materials using finite element method. <i>Soft Computing</i> , 2019 , 23, 9215-9236		3.5	2
490	Optimizing Support Vector Machine Parameters Using Bat Optimization Algorithm. <i>Studies in Computational Intelligence</i> , 2019 , 351-374		0.8	2
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478	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
477	Dental Age Estimation in East Asian Population with Least Squares Regression. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 653-660	0.4	1
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468	Modified cuckoo search algorithm with rough sets for feature selection. <i>Neural Computing and Applications</i> , 2018 , 29, 925-934	4.8	103
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466	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
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464	An Efficient Scheme for Video Delivery in Wireless Networks. <i>Studies in Big Data</i> , 2018 , 207-225	0.9	2
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461	Optimizing K-coverage of mobile WSNs. <i>Expert Systems With Applications</i> , 2018 , 92, 142-153	7.8	96
460	Evaluating Swarm Optimization Algorithms for Segmentation of Liver Images. <i>Studies in Computational Intelligence</i> , 2018 , 41-62	0.8	7
459	Quantum Computing and Cryptography: An Overview. <i>Studies in Big Data</i> , 2018 , 63-100	0.9	1
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439	Color Image Segmentation of Fishes with Complex Background in Water. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 634-643	0.4	1
438	A Review of Vessel Segmentation Methodologies and Algorithms 2018 , 1-17		
437	Enhanced Breast Cancer Diagnosis System Using Fuzzy Clustering Means Approach in Digital Mammography 2018 , 1968-1984		
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435	NRCS: Neutrosophic Rule-Based Classification System. <i>Lecture Notes in Networks and Systems</i> , 2018 , 627-639	6.39	3
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428	Modified Optimal Foraging Algorithm for Parameters Optimization of Support Vector Machine. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 23-32	0.4	7
427	An Optimized K-Nearest Neighbor Algorithm for Extending Wireless Sensor Network Lifetime. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 506-515	0.4	6
426	Classification of Toxicity Effects of Biotransformed Hepatic Drugs Using Optimized Support Vector Machine. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 161-170	0.4	
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393	A New Hybrid Cryptosystem for Internet of Things Applications. <i>Intelligent Systems Reference Library</i> , 2017 , 365-380	0.8	6
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391	Group Impact: Local Influence Maximization in Social Networks. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 447-455	0.4	1
390	Controlling Rumor Cascade over Social Networks. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 456-466	0.4	2
389	Plant Recommender System Based on Multi-label Classification. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 825-835	0.4	
388	An Adaptive Approach for Community Detection Based on Chicken Swarm Optimization Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 281-288	0.4	4
387	Automatically Human Age Estimation Approach via Two-Dimensional Facial Image Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 491-501	0.4	
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375	A hybrid flower pollination optimization based modified multi-scale retinex for blood cell microscopic image enhancement 2017,		3
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373	Linear discriminant analysis: A detailed tutorial. <i>AI Communications</i> , 2017 , 30, 169-190	0.8	272
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364	Feature Detectors and Descriptors Generations with Numerous Images and Video Applications. <i>Advances in Multimedia and Interactive Technologies Book Series</i> , 2017 , 36-65	0.2	9
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360	Secure Image Processing and Transmission Schema in Cluster-Based Wireless Sensor Network. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2017 , 1022-1040	0.4	10
359	Color Invariant Representation and Applications. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2017 , 1041-1061	0.4	1
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353	A Review of Vessel Segmentation Methodologies and Algorithms. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2017 , 187-203	0.4	
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332	A Fish Detection Approach Based on BAT Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 273-283	0.4	7
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328	Enzyme Function Classification Based on Borda Count Ranking Aggregation Method. <i>Studies in Big Data</i> , 2016 , 75-85	0.9	3
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319	GNRCS: Hybrid Classification System based on Neutrosophic Logic and Genetic Algorithm 2016 ,		5
318	Loan portfolio optimization using Genetic Algorithm: A case of credit constraints 2016 ,		32
317	A hybrid scheme for Automated Essay Grading based on LVQ and NLP techniques 2016 ,		8
316	An automated information system to ensure quality in higher education institutions 2016 ,		12
315	Grey wolf optimizer-based back-propagation neural network algorithm 2016 ,		7
314	Historic handwritten manuscript binarisation using whale optimisation 2016 ,		11
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254	Automated zebrafish-based toxicity test using Bat optimization and AdaBoost classifier 2015 ,		6

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- 1 Diagnosis and Prediction Model for COVID-19 Patient's Response to Treatment based on Convolutional Neural Networks and Whale Optimization Algorithm Using CT Images