

# Ajith Abraham

## 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.

809  
papers

15,750  
citations

58  
h-index

101  
g-index

926  
ext. papers

18,928  
ext. citations

2.8  
avg, IF

7.31  
L-index

#	Paper	IF	Citations
809	Detection of Heavy Sandstorm Regions Using Composite Differential Evolution Algorithm. <i>Studies in Computational Intelligence</i> , <b>2022</b> , 297-313	0.8	0
808	Multi-type skin diseases classification using OP-DNN based feature extraction approach.. <i>Multimedia Tools and Applications</i> , <b>2022</b> , 1-26	2.5	1
807	Differential exponential entropy-based multilevel threshold selection methodology for colour satellite images using equilibrium-cuckoo search optimizer. <i>Engineering Applications of Artificial Intelligence</i> , <b>2022</b> , 109, 104599	7.2	3
806	A cooperative game theory approach for location-routing-inventory decisions in humanitarian relief chain incorporating stochastic planning. <i>Applied Mathematical Modelling</i> , <b>2022</b> , 104, 750-781	4.5	2
805	Fractional-order comprehensive learning marine predators algorithm for global optimization and feature selection. <i>Knowledge-Based Systems</i> , <b>2022</b> , 235, 107603	7.3	3
804	A Case Study on Handwritten Indic Script Classification: Benchmarking of the Results at Page, Block, Text-line, and Word Levels. <i>ACM Transactions on Asian and Low-Resource Language Information Processing</i> , <b>2022</b> , 21, 1-36	1.1	
803	Designing Transportation Problem Under Grey Linear Programming Based on Sensitivity Analysis. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 666-675	0.5	
802	Designing a Humanitarian Supply Chain for Pre and Post Disaster Planning with Transshipment and Considering Perishability of Products. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 601-612	0.5	0
801	The Bi-level Assembly Flow-Shop Scheduling Problem with Batching and Delivery with Capacity Constraint. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 505-516	0.5	
800	Improving Amphetamine-Type Stimulants Drug Classification Using Binary Whale Optimization Algorithm as Relevant Descriptors Selection Technique. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 424-432	0.5	
799	REGION: Relevant Entropy Graph spatio-temporal convolutional Network for Pedestrian Trajectory Prediction. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 150-159	0.5	0
798	Designing Green Routing and Scheduling for Home Health Care. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 491-504	0.5	
797	Addressing Sustainable Supply Chain Network Using Stackelberg Game. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 336-346	0.5	
796	Metaheuristic Methods for Water Distribution Network Considering Routing Decision. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 723-734	0.5	
795	A new modified social engineering optimizer algorithm for engineering applications. <i>Soft Computing</i> , <b>2022</b> , 26, 4333-4361	3.5	0
794	A novel nonlinear time-varying sigmoid transfer function in binary whale optimization algorithm for descriptors selection in drug classification.. <i>Molecular Diversity</i> , <b>2022</b> , 1	3.1	2
793	Long text feature extraction network with data augmentation.. <i>Applied Intelligence</i> , <b>2022</b> , 1-16	4.9	0

792	Automated Detection and Classification of Meningioma Tumor from MR Images Using Sea Lion Optimization and Deep Learning Models. <i>Axioms</i> , <b>2022</b> , 11, 15	1.6	1
791	Improved swarm intelligence algorithms with time-varying modified Sigmoid transfer function for Amphetamine-type stimulants drug classification. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2022</b> , 104574	3.8	1
790	CDPM: A Combinational Data Prediction Model for Data Transmission Reduction in WSN. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	0
789	Preprocessing Approach Using BADF Filter in MRI Images for Brain Tumor Detection. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 558-567	0.5	
788	The Effect of Trust and Price on Satisfaction and Intention to Online Group Buying. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 242-249	0.5	
787	A Novel Type-2 Fuzzy C-Means Clustering for Brain MR Image Segmentation. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 3901-3912	10.2	22
786	An Improved LeNet-Deep Neural Network Model for Alzheimer's Disease Classification Using Brain Magnetic Resonance Images. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	3
785	Enhanced Shuffled Frog Leaping Algorithm with Modified Memplexes. <i>International Journal of Sensors, Wireless Communications and Control</i> , <b>2021</b> , 11, 748-767	0.4	
784	A sustainable-resilience healthcare network for handling COVID-19 pandemic. <i>Annals of Operations Research</i> , <b>2021</b> , 1-65	3.2	14
783	An entropy minimization based multilevel colour thresholding technique for analysis of breast thermograms using equilibrium slime mould algorithm. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 113, 107935	7.5	7
782	Using 3D Hahn Moments as A Computational Representation of ATS Drugs Molecular Structure. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 90-101	0.4	
781	A Prognosis Method for Esophageal Squamous Cell Carcinoma Based on CT Image and Three-Dimensional Convolutional Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 622-631	0.4	
780	X-Ray and Neutron Radiography System Optimization by Means of a Multiobjective Approach and a Simplified Ray-Tracing Method. <i>Nuclear Technology</i> , <b>2021</b> , 207, 147-166	1.4	3
779	A biobjective home health care logistics considering the working time and route balancing: a self-adaptive social engineering optimizer. <i>Journal of Computational Design and Engineering</i> , <b>2021</b> , 8, 452-474	4.6	21
778	Hybridization of ring theory-based evolutionary algorithm and particle swarm optimization to solve class imbalance problem. <i>Complex &amp; Intelligent Systems</i> , <b>2021</b> , 7, 2069	7.1	3
777	A Pragmatic Approach to Understand Hebbian Cell Assembly. <i>International Journal of Cognitive Informatics and Natural Intelligence</i> , <b>2021</b> , 15, 60-82	0.9	1
776	Hybrid meta-heuristic algorithms for a supply chain network considering different carbon emission regulations using big data characteristics. <i>Soft Computing</i> , <b>2021</b> , 25, 7527-7557	3.5	29
775	A Hybrid Metaheuristics Parameter Tuning Approach for Scheduling through Racing and Case-Based Reasoning. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3325	2.6	2

774	Heat recovery steam generator (HRSG) three-element drum level control utilizing Fractional order PID and fuzzy controllers. <i>ISA Transactions</i> , <b>2021</b> ,	5.5	2
773	An integrated sustainable medical supply chain network during COVID-19. <i>Engineering Applications of Artificial Intelligence</i> , <b>2021</b> , 100, 104188	7.2	49
772	A novel brightness preserving joint histogram equalization technique for contrast enhancement of brain MR images. <i>Biocybernetics and Biomedical Engineering</i> , <b>2021</b> , 41, 540-553	5.7	1
771	A meta-heuristic density-based subspace clustering algorithm for high-dimensional data. <i>Soft Computing</i> , <b>2021</b> , 25, 10237-10256	3.5	1
770	Improved coral reefs optimization with adaptive (beta )-hill climbing for feature selection. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 6467-6486	4.8	3
769	Bi-heuristic ant colony optimization-based approaches for traveling salesman problem. <i>Soft Computing</i> , <b>2021</b> , 25, 3775-3794	3.5	6
768	Diurnal emotions, valence and the coronavirus lockdown analysis in public spaces. <i>Engineering Applications of Artificial Intelligence</i> , <b>2021</b> , 98, 104122	7.2	3
767	Attention-based learning of self-media data for marketing intention detection. <i>Engineering Applications of Artificial Intelligence</i> , <b>2021</b> , 98, 104118	7.2	7
766	Digital watermarking with improved SMS applied for QR code. <i>Engineering Applications of Artificial Intelligence</i> , <b>2021</b> , 97, 104049	7.2	27
765	A novel evolutionary row class entropy based optimal multi-level thresholding technique for brain MR images. <i>Expert Systems With Applications</i> , <b>2021</b> , 168, 114426	7.8	4
764	An Efficient Blood-Cell Segmentation for the Detection of Hematological Disorders. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	15
763	Tsunami in the last 15 years: a bibliometric analysis with a detailed overview and future directions. <i>Natural Hazards</i> , <b>2021</b> , 106, 139-172	3	5
762	Machine intelligent forecasting based penalty cost minimization in hybrid wind-battery farms. <i>International Transactions on Electrical Energy Systems</i> , <b>2021</b> , 31, e13010	2.2	9
761	Country transition index based on hierarchical clustering to predict next COVID-19 waves. <i>Scientific Reports</i> , <b>2021</b> , 11, 15271	4.9	2
760	Industry 4.0: Latent Dirichlet Allocation and clustering based theme identification of bibliography. <i>Engineering Applications of Artificial Intelligence</i> , <b>2021</b> , 103, 104280	7.2	4
759	Maximum 3D Tsallis entropy based multilevel thresholding of brain MR image using attacking Manta Ray foraging optimization. <i>Engineering Applications of Artificial Intelligence</i> , <b>2021</b> , 103, 104293	7.2	11
758	An opposition equilibrium optimizer for context-sensitive entropy dependency based multilevel thresholding of remote sensing images. <i>Swarm and Evolutionary Computation</i> , <b>2021</b> , 65, 100907	9.8	4
757	Adaptive opposition slime mould algorithm. <i>Soft Computing</i> , <b>2021</b> , 25, 14297	3.5	9

756	A bi-level mathematical model for logistic management considering the evolutionary game with environmental feedbacks. <i>International Journal of Logistics Management</i> , <b>2021</b> , ahead-of-print,	4.5	11
755	Crowd counting based on attention-guided multi-scale fusion networks. <i>Neurocomputing</i> , <b>2021</b> , 451, 12-24	5.4	4
754	Fusion of intelligent learning for COVID-19: A state-of-the-art review and analysis on real medical data. <i>Neurocomputing</i> , <b>2021</b> , 457, 40-66	5.4	5
753	Customer classification: A Mamdani fuzzy inference system standpoint for modifying the failure mode and effect analysis based three dimensional approach. <i>Expert Systems With Applications</i> , <b>2021</b> , 186, 115753	7.8	2
752	A Survey on State-of-the-art Denoising Techniques for Brain Magnetic Resonance Images. <i>IEEE Reviews in Biomedical Engineering</i> , <b>2021</b> , PP,	6.4	3
751	A multi-objective particle swarm for constraint and unconstrained problems. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 11355	4.8	2
750	An Intelligent Monitoring System for Assessing Bee Hive Health. <i>IEEE Access</i> , <b>2021</b> , 9, 89009-89019	3.5	1
749	Normalized square difference based multilevel thresholding technique for multispectral images using leader slime mould algorithm. <i>Journal of King Saud University - Computer and Information Sciences</i> , <b>2020</b> ,	2.5	8
748	The urgent need for integrated science to fight COVID-19 pandemic and beyond. <i>Journal of Translational Medicine</i> , <b>2020</b> , 18, 205	8.5	92
747	Design of optimal low-pass filter by a new Levy swallow swarm algorithm. <i>Soft Computing</i> , <b>2020</b> , 24, 18113-18128	3.5	6
746	A differential evolutionary adaptive Harris hawks optimization for two dimensional practical Masi entropy-based multilevel image thresholding. <i>Journal of King Saud University - Computer and Information Sciences</i> , <b>2020</b> ,	2.5	6
745	A systematic mapping study on solving university timetabling problems using meta-heuristic algorithms. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 17397-17432	4.8	6
744	. <i>IEEE Access</i> , <b>2020</b> , 8, 57317-57334	3.5	6
743	A CLSTM-TMN for marketing intention detection. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 91, 103595	7.2	7
742	Hybrid chaotic firefly decision making model for Parkinson disease diagnosis. <i>International Journal of Distributed Sensor Networks</i> , <b>2020</b> , 16, 155014771989521	1.7	15
741	Selection scheme sensitivity for a hybrid Salp Swarm Algorithm: analysis and applications. <i>Engineering With Computers</i> , <b>2020</b> , 1	4.5	19
740	An adaptive Harris hawks optimization technique for two dimensional grey gradient based multilevel image thresholding. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 95, 106526	7.5	19
739	Differential Evolution: A review of more than two decades of research. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 90, 103479	7.2	124

738	An improved dynamic deployment technique based-on genetic algorithm (IDDT-GA) for maximizing coverage in wireless sensor networks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2020</b> , 11, 4177-4194	3.7	22
737	A bibliometric analysis and cutting-edge overview on fuzzy techniques in Big Data. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 92, 103625	7.2	16
736	Cloud customers service selection scheme based on improved conventional cat swarm optimization. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 14817-14838	4.8	3
735	Cryptography and Digital Image Steganography Techniques. <i>Intelligent Systems Reference Library</i> , <b>2020</b> , 33-48	0.8	1
734	Improving Nearest Neighbor Partitioning Neural Network Classifier Using Multi-layer Particle Swarm Optimization. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 360-369	0.4	
733	Heuristics and Metaheuristic Optimization Algorithms. <i>Intelligent Systems Reference Library</i> , <b>2020</b> , 49-61	0.8	
732	Kernel Based Chaotic Firefly Algorithm for Diagnosing Parkinson Disease. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 176-188	0.4	2
731	Nature or Science: what Google Trends says. <i>Scientometrics</i> , <b>2020</b> , 124, 1367-1385	3	3
730	An analysis of security solutions for ARP poisoning attacks and its effects on medical computing. <i>International Journal of Systems Assurance Engineering and Management</i> , <b>2020</b> , 11, 1-14	1.3	4
729	Machine intelligence-based algorithms for spam filtering on document labeling. <i>Soft Computing</i> , <b>2020</b> , 24, 9625-9638	3.5	24
728	Controlling wheeled mobile robot considering the effects of uncertainty with neuro-fuzzy cognitive map. <i>ISA Transactions</i> , <b>2020</b> , 100, 454-468	5.5	11
727	Estimating cement compressive strength using three-dimensional microstructure images and deep belief network. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 88, 103378	7.2	10
726	Heart disease detection using hybrid of bacterial foraging and particle swarm optimization. <i>Evolving Systems</i> , <b>2020</b> , 11, 15-28	2.1	10
725	A novel region-based multimodal image fusion technique using improved dictionary learning. <i>International Journal of Imaging Systems and Technology</i> , <b>2020</b> , 30, 558-576	2.5	
724	Fuzzy mutation embedded hybrids of gravitational search and Particle Swarm Optimization methods for engineering design problems. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 95, 103847	7.2	7
723	Rough computing A review of abstraction, hybridization and extent of applications. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 96, 103924	7.2	8
722	Deep learning in electrical utility industry: A comprehensive review of a decade of research. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 96, 104000	7.2	34
721	A Hybrid Coral Reefs Optimization Variable Neighborhood Search Approach for the Unequal Area Facility Layout Problem. <i>IEEE Access</i> , <b>2020</b> , 8, 134042-134050	3.5	4



7 <sup>20</sup>	Modified Social Group Optimization meta-heuristic algorithm to solve short-term hydrothermal scheduling. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 95, 106524	7.5	21
7 <sup>19</sup>	A novel interdependence based multilevel thresholding technique using adaptive equilibrium optimizer. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 94, 103836	7.2	19
7 <sup>18</sup>	Novel fuzzy clustering-based bias field correction technique for brain magnetic resonance images. <i>IET Image Processing</i> , <b>2020</b> , 14, 1929-1936	1.7	6
7 <sup>17</sup>	Semantic assessment of smart healthcare ontology. <i>International Journal of Web Information Systems</i> , <b>2020</b> , 16, 475-491	0.9	7
7 <sup>16</sup>	Emerging Standards and the Hybrid Model for Organizing Scientific Events During and After the COVID-19 Pandemic. <i>Disaster Medicine and Public Health Preparedness</i> , <b>2020</b> , 1-6	2.8	14
7 <sup>15</sup>	Did They Sense it Coming? A Pipelined Approach for Tsunami Prediction Based on Aquatic Behavior Using Ensemble Clustering and Fuzzy Rule-Based Classification. <i>IEEE Access</i> , <b>2020</b> , 8, 166922-166939	3.5	1
7 <sup>14</sup>	A novel automated absolute intensity difference based technique for optimal MR brain image thresholding. <i>Journal of King Saud University - Computer and Information Sciences</i> , <b>2020</b> , 32, 1045-1054	2.5	2
7 <sup>13</sup>	Adversarial neural networks for playing hide-and-search board game Scotland Yard. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 3149-3164	4.8	2
7 <sup>12</sup>	Detecting tumours by segmenting MRI images using transformed differential evolution algorithm with Kapur thresholding. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 6139-6149	4.8	7
7 <sup>11</sup>	Hierarchical fuzzy design by a multi-objective evolutionary hybrid approach. <i>Soft Computing</i> , <b>2020</b> , 24, 3615-3630	3.5	1
7 <sup>10</sup>	A wrapper-filter feature selection technique based on ant colony optimization. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 7839-7857	4.8	38
7 <sup>09</sup>	Artificial bee colony with enhanced food locations for solving mechanical engineering design problems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2020</b> , 11, 267-290	3.7	20
7 <sup>08</sup>	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 4688-4696	7.3	7
7 <sup>07</sup>	Text-line extraction from handwritten document images using GAN. <i>Expert Systems With Applications</i> , <b>2020</b> , 140, 112916	7.8	15
7 <sup>06</sup>	A Review of Automated Methods for the Detection of Sickle Cell Disease. <i>IEEE Reviews in Biomedical Engineering</i> , <b>2020</b> , 13, 309-324	6.4	20
7 <sup>05</sup>	Emotional, affective and biometrical states analytics of a built environment. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 91, 103621	7.2	8
7 <sup>04</sup>	A novel multi-objective Interactive Coral Reefs Optimization algorithm for the Unequal Area Facility Layout Problem. <i>Swarm and Evolutionary Computation</i> , <b>2020</b> , 55, 100688	9.8	9
7 <sup>03</sup>	Proficient 3-class classification model for confident overlap value based fuzzified aquatic information extracted tsunami prediction. <i>Intelligent Decision Technologies</i> , <b>2019</b> , 13, 295-303	0.7	1

702	Heuristic design of fuzzy inference systems: A review of three decades of research. <i>Engineering Applications of Artificial Intelligence</i> , <b>2019</b> , 85, 845-864	7.2	33
701	Adaptive memetic method of multi-objective genetic evolutionary algorithm for backpropagation neural network. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 4945-4962	4.8	14
700	Overlap Function Based Fuzzified Aquatic Behaviour Information Extracted Tsunami Prediction Model. <i>International Journal of Distributed Systems and Technologies</i> , <b>2019</b> , 10, 56-81	0.3	2
699	A novel joint histogram equalization based image contrast enhancement. <i>Journal of King Saud University - Computer and Information Sciences</i> , <b>2019</b> ,	2.5	18
698	A novel quantum inspired algorithm for sparse fuzzy cognitive maps learning. <i>Applied Intelligence</i> , <b>2019</b> , 49, 3652-3667	4.9	5
697	Solving the travelling salesman problem using fuzzy and simplified variants of ant supervised by PSO with local search policy, FAS-PSO-LS, SAS-PSO-LS. <i>International Journal of Hybrid Intelligent Systems</i> , <b>2019</b> , 15, 17-26	0.9	3
696	A survey on region based image fusion methods. <i>Information Fusion</i> , <b>2019</b> , 48, 119-132	16.7	89
695	Fuzzy logic-based FMEA robust design: a quantitative approach for robustness against groupthink in group/team decision-making. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 1331-1344	7.8	24
694	Secure Semantic Smart HealthCare (S3HC). <i>Journal of Web Engineering</i> , <b>2019</b> , 17, 617-646	1.2	10
693	A new possibilistic classifier for mixed categorical and numerical data based on a bi-module possibilistic estimation and the generalized minimum-based algorithm. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2019</b> , 36, 3513-3523	1.6	4
692	Engineering applications of artificial intelligence: A bibliometric analysis of 30 years (1988-2018). <i>Engineering Applications of Artificial Intelligence</i> , <b>2019</b> , 85, 517-532	7.2	41
691	A Novel Optimal Gabor Algorithm for Face Classification. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 821-832	0.4	1
690	Interpreting Context of Images Using Scene Graphs. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 427-438	0.9	
689	Clustering Wireless Sensor Networks Using ImDE Algorithm With LEACH Protocol <b>2019</b> ,		1
688	Metaheuristics and Data Clustering. <i>Intelligent Systems Reference Library</i> , <b>2019</b> , 7-55	0.8	1
687	Industry 4.0: A bibliometric analysis and detailed overview. <i>Engineering Applications of Artificial Intelligence</i> , <b>2019</b> , 78, 218-235	7.2	200
686	A novel fuzzy rule extraction approach using Gaussian kernel-based granular computing. <i>Knowledge and Information Systems</i> , <b>2019</b> , 61, 821-846	2.4	6
685	Segmentation of weather radar image based on hazard severity using RDE: reconstructed mutation strategy for differential evolution algorithm. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 1253-1261	4.8	6



684	Knowledge building through optimized classification rule set generation using genetic based elitist multi objective approach. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 845-855	4.8	3
683	FSDE-Forced Strategy Differential Evolution used for data clustering. <i>Journal of King Saud University - Computer and Information Sciences</i> , <b>2019</b> , 31, 52-61	2.5	14
682	CHAOS: a parallelization scheme for training convolutional neural networks on Intel Xeon Phi. <i>Journal of Supercomputing</i> , <b>2019</b> , 75, 197-227	2.5	12
681	Evolutionary static and dynamic clustering algorithms based on multi-verse optimizer. <i>Engineering Applications of Artificial Intelligence</i> , <b>2018</b> , 72, 54-66	7.2	45
680	Edge Detection for Cement Images Based on Interactive Genetic Algorithm. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 41-50	0.4	0
679	Neural network and fuzzy system for the tuning of Gravitational Search Algorithm parameters. <i>Expert Systems With Applications</i> , <b>2018</b> , 102, 234-244	7.8	35
678	Design of optimal high pass and band stop FIR filters using adaptive Cuckoo search algorithm. <i>Engineering Applications of Artificial Intelligence</i> , <b>2018</b> , 70, 67-80	7.2	20
677	A Beta basis function Interval Type-2 Fuzzy Neural Network for time series applications. <i>Engineering Applications of Artificial Intelligence</i> , <b>2018</b> , 71, 259-274	7.2	31
676	Neurodegenerative Diseases Detection Through Voice Analysis. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 213-223	0.4	3
675	Manufacturing Services Classification in a Decentralized Supply Chain Using Text Mining. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 186-193	0.4	2
674	Preparation of ATS Drugs 3D Molecular Structure for 3D Moment Invariants-Based Molecular Descriptors. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 252-261	0.4	3
673	Wavelet Convolutional Neural Networks for Handwritten Digits Recognition. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 305-310	0.4	3
672	Perturbation Based Efficient Crow Search Optimized FLANN for System Identification: A Novel Approach. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 204-212	0.4	2
671	ssFPA/DE: an efficient hybrid differential evolution flower pollination algorithm based approach. <i>International Journal of Systems Assurance Engineering and Management</i> , <b>2018</b> , 9, 216-229	1.3	3
670	Predictive modeling of die filling of the pharmaceutical granules using the flexible neural tree. <i>Neural Computing and Applications</i> , <b>2018</b> , 29, 467-481	4.8	6
669	Security and service assurance issues in Cloud environment. <i>International Journal of Systems Assurance Engineering and Management</i> , <b>2018</b> , 9, 194-207	1.3	22
668	Rough setBPSO model for predicting vitamin D deficiency in apparently healthy Kuwaiti women based on hair mineral analysis. <i>Neural Computing and Applications</i> , <b>2018</b> , 29, 329-344	4.8	1
667	Elitist teaching learning-based optimization (ETLBO) with higher-order Jordan Pi-sigma neural network: a comparative performance analysis. <i>Neural Computing and Applications</i> , <b>2018</b> , 30, 1445-1468	4.8	8

666	Multiobjective Programming for Type-2 Hierarchical Fuzzy Inference Trees. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 915-936	8.3	11
665	Orthogonal Taguchi-based cat algorithm for solving task scheduling problem in cloud computing. <i>Neural Computing and Applications</i> , <b>2018</b> , 30, 1845-1863	4.8	26
664	A Fuzzy Filter Based Hybrid ARIMA-ANN Model for Time Series Forecasting. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 592-601	0.4	1
663	Nested cross-validation based adaptive sparse representation algorithm and its application to pathological brain classification. <i>Expert Systems With Applications</i> , <b>2018</b> , 114, 313-321	7.8	22
662	A Scientometric Study of Neurocomputing Publications (1992-2018): An Aerial Overview of Intrinsic Structure. <i>Publications</i> , <b>2018</b> , 6, 32	1.7	18
661	Enhanced Asynchronous Differential Evolution Using Trigonometric Mutation. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 386-397	0.4	3
660	Decision Quality Enhancement in Minimum-Based Possibilistic Classification for Numerical Data. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 634-643	0.4	4
659	RDE - Reconstructed Mutation Strategy for Differential Evolution Algorithm. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 76-85	0.4	1
658	Toward Real-Time High-Frequency Stock Monitoring System Using Node.js. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 1-10	0.4	
657	Accelerating nearest neighbor partitioning neural network classifier based on CUDA. <i>Engineering Applications of Artificial Intelligence</i> , <b>2018</b> , 68, 53-62	7.2	6
656	BULLET: Particle Swarm Optimization Based Scheduling Technique for Provisioned Cloud Resources. <i>Journal of Network and Systems Management</i> , <b>2018</b> , 26, 361-400	2.1	44
655	Data clustering using eDE, an enhanced differential evolution algorithm with fuzzy c-means technique. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , <b>2018</b> , 26, 867-881	0.9	
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653	ACO-PSO Optimization for Solving TSP Problem with GPU Acceleration. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 559-569	0.4	
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650	Metaheuristic design of feedforward neural networks: A review of two decades of research. <i>Engineering Applications of Artificial Intelligence</i> , <b>2017</b> , 60, 97-116	7.2	239
649	Optimal breast cancer classification using Gauss-Newton representation based algorithm. <i>Expert Systems With Applications</i> , <b>2017</b> , 85, 134-145	7.8	52

648	An evolutionary single Gabor kernel based filter approach to face recognition. <i>Engineering Applications of Artificial Intelligence</i> , <b>2017</b> , 62, 286-301	7.2	26
647	State-of-the-Art Methods for Brain Tissue Segmentation: A Review. <i>IEEE Reviews in Biomedical Engineering</i> , <b>2017</b> , 10, 235-249	6.4	41
646	Intelligent Decision Support Systems for Sustainable Computing. <i>Studies in Computational Intelligence</i> , <b>2017</b> , 1-6	0.8	2
645	A new classifier for categorical data based on a possibilistic estimation and a novel generalized minimum-based algorithm. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2017</b> , 33, 1723-1731	1.6	6
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643	ATS drugs molecular structure representation using refined 3D geometric moment invariants. <i>Journal of Mathematical Chemistry</i> , <b>2017</b> , 55, 1951-1963	2.1	3
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640	Cohort Intelligence for Solving Travelling Salesman Problems. <i>Intelligent Systems Reference Library</i> , <b>2017</b> , 75-86	0.8	2
639	Solution to 0/1 Knapsack Problem Using Cohort Intelligence Algorithm. <i>Intelligent Systems Reference Library</i> , <b>2017</b> , 55-74	0.8	3
638	Cohort Intelligence: A Socio-inspired Optimization Method. <i>Intelligent Systems Reference Library</i> , <b>2017</b> ,	0.8	24
637	Ensemble of heterogeneous flexible neural trees using multiobjective genetic programming. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 52, 909-924	7.5	20
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631	Artificial Neural Network Based Real-Time Urban Road Traffic State Estimation Framework. <i>Studies in Computational Intelligence</i> , <b>2017</b> , 73-97	0.8	3

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629	A Modified Naïve Bayes Style Possibilistic Classifier for the Diagnosis of Lymphatic Diseases. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 479-488	0.4	4
628	Using Data Clustering on ssFPA/DE- a Search Strategy Flower Pollination Algorithm with Differential Evolution. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 539-550	0.4	1
627	A Modified Naïve Possibilistic Classifier for Numerical Data. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 417-426	0.4	5
626	Forecasting Using Elman Recurrent Neural Network. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 488-497	0.4	3
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623	Solution to the Selection of Cross-Border Shippers (SCBS) Problem. <i>Intelligent Systems Reference Library</i> , <b>2017</b> , 117-129	0.8	
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620	Granular transfer learning using type-2 fuzzy HMM for text sequence recognition. <i>Neurocomputing</i> , <b>2016</b> , 214, 126-133	5.4	5
619	Multi-agent architecture for Multi-objective optimization of Flexible Neural Tree. <i>Neurocomputing</i> , <b>2016</b> , 214, 307-316	5.4	6
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617	An Ensemble of Neuro-Fuzzy Model for Assessing Risk in Cloud Computing Environment. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 27-36	0.4	
616	Ensemble of Flexible Neural Trees for Predicting Risk in Grid Computing Environment. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 151-161	0.4	2
615	Gravitational Search Algorithm to Solve Open Vehicle Routing Problem. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 93-103	0.4	6
614	A self adaptive harmony search based functional link higher order ANN for non-linear data classification. <i>Neurocomputing</i> , <b>2016</b> , 179, 69-87	5.4	28
613	Real-Time Vehicle Emission Monitoring and Location Tracking Framework. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 211-221	0.4	

612	Modeling Insurance Fraud Detection Using Imbalanced Data Classification. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 117-127	0.4	14
611	A Neural Network Model for Road Traffic Flow Estimation. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 305-314	0.4	3
610	Applying Design Science Research to Design and Evaluate Real-Time Road Traffic State Estimation Framework. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 223-233	0.4	
609	Neuro-Fuzzy Model for Assessing Risk in Cloud Computing Environment. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 137-145	0.4	1
608	Neuro-Fuzzy Risk Prediction Model for Computational Grids. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 127-136	0.4	2
607	Ensemble of Heterogeneous Flexible Neural Tree for the Approximation and Feature-Selection of Poly (Lactic-co-glycolic Acid) Micro- and Nanoparticle. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 155-165	0.4	4
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604	Automatic Discovery and Recommendation for Telecommunication Package Using Particle Swarm Optimization. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 97-104	0.4	0
603	Soft granular computing based classification using hybrid fuzzy-KNN-SVM. <i>Intelligent Decision Technologies</i> , <b>2016</b> , 10, 115-128	0.7	3
602	Evolutionary hierarchical fuzzy modeling of Interval Type-2 Beta Fuzzy Systems <b>2016</b> ,		2
601	A new Stable Election-based routing algorithm to preserve aliveness and energy in fog-supported wireless sensor networks <b>2016</b> ,		12
600	Evolving flexible beta basis function neural tree using extended genetic programming & Hybrid Artificial Bee Colony. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 47, 653-668	7.5	11
599	Probability Collectives. <i>Intelligent Systems Reference Library</i> , <b>2015</b> ,	0.8	4
598	Introduction to Optimization. <i>Intelligent Systems Reference Library</i> , <b>2015</b> , 1-13	0.8	
597	Probability Collectives: A Distributed Optimization Approach. <i>Intelligent Systems Reference Library</i> , <b>2015</b> , 15-35	0.8	1
596	A Resource-Efficient Integrity Monitoring and Response Approach for Cloud Computing Environment. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 335-349	0.4	
595	Co-FQL: Anomaly detection using cooperative fuzzy Q-learning in network. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2015</b> , 28, 1345-1357	1.6	8

594	Risk Assessment for Grid Computing Using Meta-Learning Ensembles. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 251-260	0.4	
593	Comparing Measurement and State Vector Data Fusion Algorithms for Mobile Phone Tracking Using A-GPS and U-TDOA Measurements. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 592-604	0.9	3
592	A Harmony Search Based Gradient Descent Learning-FLANN (HS-GDL-FLANN) for Classification. <i>Smart Innovation, Systems and Technologies</i> , <b>2015</b> , 525-539	0.5	8
591	A tractable multiple agents protocol and algorithm for resource allocation under price rigidities. <i>Applied Intelligence</i> , <b>2015</b> , 43, 564-577	4.9	1
590	Evolutionary multi-objective optimization for evolving hierarchical fuzzy system <b>2015</b> ,		5
589	Modeling Cloud Computing Risk Assessment Using Ensemble Methods. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 261-274	0.4	2
588	Negotiation process for bi-objective multi-agent flexible neural tree model <b>2015</b> ,		1
587	A Novel Diagnostic Approach Based on Support Vector Machine with Linear Kernel for Classifying the Erythematous-Squamous Disease <b>2015</b> ,		12
586	A Comparative Study of 2D UMI and 3D Zernike Shape Descriptor for ATS Drugs Identification. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 237-249	0.4	1
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584	Group-enhanced ranking. <i>Neurocomputing</i> , <b>2015</b> , 150, 99-105	5.4	3
583	An efficient meta-heuristic algorithm for grid computing. <i>Journal of Combinatorial Optimization</i> , <b>2015</b> , 30, 413-434	0.9	41
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574	Road traffic state estimation framework based on hybrid assisted global positioning system and uplink time difference of arrival data collection methods <b>2015</b> ,		2
573	A Hybrid Approach Based on Particle Swarm Optimization for Echo State Network Initialization <b>2015</b> ,		7
572	Interval Type-2 Beta Fuzzy Basis Functions: Some Properties and their First-Order Derivatives <b>2015</b> ,		4
571	Cellular Network Based Real-Time Urban Road Traffic State Estimation Framework Using Neural Network Model Estimation <b>2015</b> ,		3
570	Modeling Cloud Computing Risk Assessment Using Machine Learning. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 315-325	0.4	4
569	Data Mining Approach for Modeling Risk Assessment in Computational Grid. <i>Smart Innovation, Systems and Technologies</i> , <b>2015</b> , 673-684	0.5	1
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566	Ensemble Neurocomputing Based Oil Price Prediction. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 293-302	0.4	2
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529	Using personas for supporting user modeling on scheduling systems <b>2014</b> ,		8
528	A hybrid framework for supporting scheduling in extended manufacturing environments <b>2014</b> ,		2
527	A rough set multi-knowledge extraction algorithm and its formal concept analysis <b>2014</b> ,		1
526	GELS-GA: Hybrid metaheuristic algorithm for solving Multiple Travelling Salesman Problem <b>2014</b> ,		11
525	Designing of Beta Basis Function Neural Network for optimization using cuckoo search (CS) <b>2014</b> ,		1
524	Hybrid parallel approach for personalized literature recommendation system <b>2014</b> ,		3
523	ACO for continuous function optimization: A performance analysis <b>2014</b> ,		10

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520	PSO-based update memory for Improved Harmony Search algorithm to the evolution of FBBFNT' parameters <b>2014</b> ,		2
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504	An optimal design of coordinated PI based PSS with TCSC controller using modified Teaching Learning based Optimization <b>2013</b> ,		8
503	Hyper-heuristic Based Resource Scheduling in Grid Environment <b>2013</b> ,		1
502	Hybridization of Fuzzy PSO and Fuzzy ACO applied to TSP <b>2013</b> ,		10
501	Towards Scheduling Optimization through Artificial Bee Colony Approach <b>2013</b> ,		2
500	An Alternative to SOCIFS Writer Identification Framework for Handwritten Authorship <b>2013</b> ,		1
499	A Rough-fuzzy C-means using information entropy for discretized violent crimes data <b>2013</b> ,		1
498	Fuzzy modeling system based on hybrid evolutionary approach <b>2013</b> ,		5
497	Forecasting FTSE Bursa Malaysia KLCI trend with Hybrid Particle Swarm Optimization and Support Vector Machine technique <b>2013</b> ,		4
496	Blend of local and global variant of PSO in ABC <b>2013</b> ,		3
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398	Self adaptive cluster based and weed inspired differential evolution algorithm for real world optimization <b>2011,</b>		6
397	Fractal order speed control of DC motor using levy mutated Artificial Bee Colony Algorithm <b>2011,</b>		5

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308	Differential Evolution with Laplace mutation operator		2009, 16
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304	Clustering categorical data using a swarm-based method <b>2009</b> ,		4
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275	Design Methodology of a Fault Aware Controller Using an Incipient Fault Diagonizer <b>2009</b> ,		2
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273	Metaheuristic Pattern Clustering [An Overview]. <i>Studies in Computational Intelligence</i> , <b>2009</b> , 1-62	0.8	18
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262	Analyzing Social Networks Using FCA: Complexity Aspects <b>2009</b> ,		15
261	A Replication-Based Approach for the Improvement of the Online Learning Experience in Distributed Environments <b>2009</b> ,		1
260	Convergence analysis of swarm algorithm <b>2009</b> ,		3
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252	Searching for quasigroups for hash functions with genetic algorithms <b>2009</b> ,		7
251	A simple adaptive Differential Evolution algorithm <b>2009</b> ,		9
250	Comparison of Heuristics for Scheduling Independent Tasks on Heterogeneous Distributed Environments <b>2009</b> ,		42
249	Autonomous SPY $\square$ : Intelligent Web proxy caching detection using neurocomputing and Particle Swarm Optimization <b>2009</b> ,		2
248	IWO with Increased Deviation and Stochastic Selection (IWO-ID-SS) for global optimization of noisy fitness functions <b>2009</b> ,		2
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241	Pattern Clustering Using a Swarm Intelligence Approach <b>2009</b> , 469-504		
240	A Bacterial Evolutionary Algorithm for automatic data clustering <b>2009</b> ,		25
239	A Novel Particle Swarm Optimization Approach for Grid Job Scheduling. <i>Communications in Computer and Information Science</i> , <b>2009</b> , 100-109	0.3	28
238	Rough Web Caching. <i>Studies in Computational Intelligence</i> , <b>2009</b> , 187-211	0.8	3
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236	Rough Sets in Medical Informatics Applications. <i>Advances in Intelligent and Soft Computing</i> , <b>2009</b> , 23-30		7
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226	Optimizing Information Retrieval Using Evolutionary Algorithms and Fuzzy Inference System. <i>Studies in Computational Intelligence</i> , <b>2009</b> , 299-324	0.8	
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223	Swarm Intelligence Algorithms for Data Clustering <b>2008</b> , 279-313		69
222	Hardware Software Partitioning Problem in Embedded System Design Using Particle Swarm Optimization Algorithm <b>2008</b> ,		12
221	Particle Swarm Scheduling for Work-Flow Applications in Distributed Computing Environments. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 327-342	0.8	9
220	Meta-heuristics for Grid Scheduling Problems. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 1-37	0.8	34
219	Tuning Struggle Strategy in Genetic Algorithms for Scheduling in Computational Grids <b>2008</b> ,		25
218	An overview of rough-hybrid approaches in image processing <b>2008</b> ,		6
217	Automatic Clustering Using an Improved Differential Evolution Algorithm. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2008</b> , 38, 218-237		496

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215	Survey: Using Genetic Algorithm Approach in Intrusion Detection Systems Techniques <b>2008</b> ,	14
214	Building Multiobjective Resilient Networks (Invited Paper) <b>2008</b> ,	2
213	Towards a Suitable Reconciliation of the Findings in Collaborative Fuzzy Clustering <b>2008</b> ,	6
212	<b>2008</b> ,	5
211	An Adaptive Particle Swarm Optimizer Using Balanced Explorative and Exploitative Behaviors <b>2008</b> ,	1
210	Swarm intelligence based rough set reduction scheme for support vector machines <b>2008</b> ,	3
209	<b>2008</b> ,	12
208	The population dynamics of Differential Evolution: A mathematical model <b>2008</b> ,	5
207	Matrix Factorization Approach for Feature Deduction and Design of Intrusion Detection Systems <b>2008</b> ,	6
206	. <i>IEEE Intelligent Systems</i> , <b>2008</b> , 23, 19-25	4.2 130
205	Automatic Circle Detection on Images with Annealed Differential Evolution <b>2008</b> ,	5
204	An Implementation of Rough Set in Optimizing Mobile Web Caching Performance (Invited Paper) <b>2008</b> ,	10
203	Implicit User Modelling Using Hybrid Meta-Heuristics <b>2008</b> ,	3
202	Adaptive Computational Chemotaxis in Bacterial Foraging Algorithm <b>2008</b> ,	17
201	Evolution Induced Secondary Immunity: An Artificial Immune System Based Intrusion Detection System <b>2008</b> ,	9
200	Scheduling in Multiprocessor System Using Genetic Algorithms <b>2008</b> ,	4
199	<b>2008</b> ,	22

198	Particle Swarm Based Meta-Heuristics for Function Optimization and Engineering Applications <b>2008,</b>		8
197	Fuzzy Online Risk Assessment for Distributed Intrusion Prediction and Prevention Systems <b>2008,</b>		16
196	HiNFRA: Hierarchical Neuro-Fuzzy Learning for Online Risk Assessment <b>2008,</b>		3
195	Evolving Turbo Code Interleavers by Genetic Algorithms <b>2008,</b>		1
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193	Population-variance and explorative power of Harmony Search: An analysis <b>2008,</b>		30
192	Particle Swarm Optimization Using Adaptive Mutation <b>2008,</b>		21
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186	Inertia-Adaptive Particle Swarm Optimizer for Improved Global Search <b>2008,</b>		23
185	A multi-swarm approach for neighbor selection in peer-to-peer networks <b>2008,</b>		3
184	Stability of the chemotactic dynamics in bacterial foraging optimization algorithm <b>2008,</b>		4
183	Improved Particle Swarm Optimization with low-discrepancy sequences <b>2008,</b>		25
182	Optimization of a Kraft Pulping System: Using Particle Swarm Optimization and Differential Evolution <b>2008,</b>		4
181	Nature Inspired Online Real Risk Assessment Models for Security Systems. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 3-3	0.9	

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179	Analysis of reproduction operator in Bacterial Foraging Optimization Algorithm <b>2008</b> ,		14
178	Towards an automatic real-time assessment of online discussions in Computer-Supported Collaborative Learning practices <b>2008</b> ,		2
177	Automatic kernel clustering with a Multi-Elitist Particle Swarm Optimization Algorithm. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 688-699	4.7	141
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173	Soft Computing Paradigms and Regression Trees in Decision Support Systems <b>2008</b> , 1011-1035		3
172	Distributed Intrusion Detection Systems <b>2008</b> , 1639-1659		
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170	Measurement of Level-of-Satisfaction of Decision Maker in Intelligent Fuzzy-MCDM Theory: A Generalized Approach. <i>Springer Optimization and Its Applications</i> , <b>2008</b> , 235-261	0.4	1
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161	Analysis of Dynamic Source Routing and Destination-Sequenced Distance-Vector Protocols for Different Mobility Models <b>2007</b> ,		9
160	A Particle Swarm Optimization Algorithm for Neighbor Selection in Peer-to-Peer Networks <b>2007</b> ,		6
159	Kernel based automatic clustering using modified particle swarm optimization algorithm <b>2007</b> ,		12
158	Stability analysis of the ant system dynamics with non-uniform pheromone deposition rules <b>2007</b> ,		5
157	DIPS: A Framework for Distributed Intrusion Prediction and Prevention Using Hidden Markov Models and Online Fuzzy Risk Assessment <b>2007</b> ,		17
156	A Hybrid Genetic Algorithm and Bacterial Foraging Approach for Global Optimization and Robust Tuning of PID Controller with Disturbance Rejection. <i>Studies in Computational Intelligence</i> , <b>2007</b> , 171-199	9.8	8
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147	Modeling intrusion detection system using hybrid intelligent systems. <i>Journal of Network and Computer Applications</i> , <b>2007</b> , 30, 114-132	7.9	239
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139	A Novel Improvement of Neural Network Classification Using Further Division of Partition Space. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 214-223	0.9	2
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137	Computational chemotaxis in ants and bacteria over dynamic environments <b>2007</b> ,		2
136	An LSB Data Hiding Technique Using Natural Number Decomposition <b>2007</b> ,		4
135	Hybrid Genetic: Particle Swarm Optimization Algorithm. <i>Studies in Computational Intelligence</i> , <b>2007</b> , 147-170	1.80	5
134	A Particle Swarm Approach to Quadratic Assignment Problems <b>2007</b> , 213-222		11
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125	Evolving Neural Networks for Pharmaceutical Research <b>2006</b> ,		4
124	Decision Support Systems Using Ensemble Genetic Programming. <i>Journal of Information and Knowledge Management</i> , <b>2006</b> , 05, 303-313	0.9	2
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121	Evolving Intrusion Detection Systems <b>2006</b> , 57-79		10
120	Stock Index Modeling Using Hierarchical Radial Basis Function Networks. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 398-405	0.9	5
119	Swarm Intelligence: Foundations, Perspectives and Applications <b>2006</b> , 3-25		94
118	Stock Market Modeling Using Genetic Programming Ensembles <b>2006</b> , 131-146		13
117	Engineering Drug Design Using a Multi-Input Multi-Output Neuro-Fuzzy System <b>2006</b> ,		4
116	A Hybrid Rough Set--Particle Swarm Algorithm for Image Pixel Classification <b>2006</b> ,		9
115	Spatial Information Based Image Segmentation Using a Modified Particle Swarm Optimization Algorithm <b>2006</b> ,		17
114	Programming Hierarchical TS Fuzzy Systems <b>2006</b> ,		6
113	Scheduling Jobs on Computational Grids Using Fuzzy Particle Swarm Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 500-507	0.9	33
112	Swarm Intelligence in Data Mining. <i>Studies in Computational Intelligence</i> , <b>2006</b> , 1-20	0.8	44
111	Exchange Rate Forecasting Using Flexible Neural Trees. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 518-523.	0.9	6
110	EvoPOL: a framework for optimising social regulation policies. <i>Kybernetes</i> , <b>2006</b> , 35, 814-824	2	1
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107	Gene Expression Profiling Using Flexible Neural Trees. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 1121-1128		6
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104	Role of Chaos in Swarm Intelligence [A Preliminary Analysis]. <i>Advances in Intelligent and Soft Computing</i> , <b>2006</b> , 383-392		2
103	Improving kNN Text Categorization by Removing Outliers from Training Set. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 563-566	0.9	12
102	Self Organizing Sensor Networks Using Intelligent Clustering. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 40-49	0.9	11
101	Hierarchical Radial Basis Function Neural Networks for Classification Problems. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 873-879	0.9	7
100	Meta-Learning Evolutionary Artificial Neural Network for Selecting Flexible Manufacturing Systems. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 891-897	0.9	2
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95	Evolutionary Method for Nonlinear Systems of Equations. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 283-293		2
94	Stock Market Prediction Using Multi Expression Programming <b>2005</b> ,		8
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77	Fuzzy adaptive turbulent particle swarm optimization <b>2005</b> ,		6
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75	IDEAS: intrusion detection based on emotional ants for sensors <b>2005</b> ,		18
74	Rule-Based Expert Systems <b>2005</b> ,		40
73	Evolutionary Multiobjective Optimization <b>2005</b> , 1-6		29

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68	A CONCURRENT NEURAL NETWORK - GENETIC PROGRAMMING MODEL FOR DECISION SUPPORT SYSTEMS <b>2005</b> ,		2
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19	Swarms on continuous data		9

18	Estimating genome reversal distance by genetic algorithm		4
17	Web usage mining using artificial ant colony clustering and linear genetic programming		43
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14	EvoNF: a framework for optimization of fuzzy inference systems using neural network learning and evolutionary computation		10
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10	Multiagent Based Product Data Communication System for Computer Supported Collaborative Design	208-241	
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