Wei Pang

List of Publications by Year
in descending order

94 papers	1,348 citations	516215 16 h-index	476904 29 g-index
96 all docs	96 docs citations	96 times ranked	1257 citing authors

#	Article	IF	Citations
1	Particle swarm optimization for traveling salesman problem. , 0, , .		144
2	A fuzzy k-prototype clustering algorithm for mixed numeric and categorical data. Knowledge-Based Systems, 2012, 30, 129-135.	4.0	124
3	Self-adaptive parameter and strategy based particle swarm optimization for large-scale feature selection problems with multiple classifiers. Applied Soft Computing Journal, 2020, 88, 106031.	4.1	105
4	Hete-CF: Social-Based Collaborative Filtering Recommendation Using Heterogeneous Relations. , 2014, , .		89
5	Combinatorial stresses kill pathogenic *Candida* species. Medical Mycology, 2012, 50, 699-709.	0.3	79
6	GANs-Based Data Augmentation for Citrus Disease Severity Detection Using Deep Learning. IEEE Access, 2020, 8, 172882-172891.	2.6	79
7	Fuzzy discrete particle swarm optimization for solving traveling salesman problem. , 0, , .		61
8	McDPC: multi-center density peak clustering. Neural Computing and Applications, 2020, 32, 13465-13478.	3.2	45
9	Deep Ensemble Learning for Human Action Recognition in Still Images. Complexity, 2020, 2020, 1-23.	0.9	34
10	An Evolutionary Computation Based Feature Selection Method for Intrusion Detection. Security and Communication Networks, 2018, 2018, 1-10.	1.0	30
11	FREDPC: A Feasible Residual Error-Based Density Peak Clustering Algorithm With the Fragment Merging Strategy. IEEE Access, 2019, 7, 89789-89804.	2.6	28
12	Essential protein identification based on essential protein–protein interaction prediction by Integrated Edge Weights. Methods, 2015, 83, 51-62.	1.9	25
13	Mammographic image classification with deep fusion learning. Scientific Reports, 2020, 10, 14361.	1.6	25
14	Spatial imputation for air pollutants data sets via low rank matrix completion algorithm. Environment International, 2020, 139, 105713.	4.8	24
15	Semi-supervised Clustering on Heterogeneous Information Networks. Lecture Notes in Computer Science, 2014, , 548-559.	1.0	24
16	A Novel Artificial Bee Colony Based Clustering Algorithm for Categorical Data. PLoS ONE, 2015, 10, e0127125.	1.1	20
17	A Self-Adaptive Fireworks Algorithm for Classification Problems. IEEE Access, 2018, 6, 44406-44416.	2.6	20
18	A decision support system using soft computing for modern international container transportation services. Applied Soft Computing Journal, 2010, 10, 1087-1095.	4.1	19

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19	DeepSwarm: Optimising Convolutional Neural Networks Using Swarm Intelligence. Advances in Intelligent Systems and Computing, 2020, , 119-130.	0.5	18
20	Modified particle swarm optimization based on space transformation for solving traveling salesman problem. , 0, , .		17
21	Sherlock: A Semi-automatic Framework for Quiz Generation Using a Hybrid Semantic Similarity Measure. Cognitive Computation, 2015, 7, 667-679.	3.6	16
22	An Initialization Method for Clustering Mixed Numeric and Categorical Data Based on the Density and Distance. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1550024.	0.7	15
23	Towards machine learning approaches for predicting the self-healing efficiency of materials. Computational Materials Science, 2019, 168, 180-187.	1.4	15
24	A systematic density-based clustering method using anchor points. Neurocomputing, 2020, 400, 352-370.	3.5	15
25	A link density clustering algorithm based on automatically selecting density peaks for overlapping community detection. International Journal of Modern Physics B, 2016, 30, 1650167.	1.0	14
26	Clustering Mixed Numeric and Categorical Data With Cuckoo Search. IEEE Access, 2020, 8, 30988-31003.	2.6	14
27	Learning Qualitative Differential Equation models: a survey of algorithms and applications. Knowledge Engineering Review, 2010, 25, 69-107.	2.1	13
28	LatinPSO: An algorithm for simultaneously inferring structure and parameters of ordinary differential equations models. BioSystems, 2019, 182, 8-16.	0.9	12
29	Tensor Discriminant Analysis With Multiscale Features for Action Modeling and Categorization. IEEE Signal Processing Letters, 2012, 19, 95-98.	2.1	11
30	Incremental multi-linear discriminant analysis using canonical correlations for action recognition. Neurocomputing, 2012, 83, 56-63.	3.5	11
31	Multiscale increment entropy: An approach for quantifying the physiological complexity of biomedical time series. Information Sciences, 2022, 586, 279-293.	4.0	11
32	An improved density peak clustering algorithm guided by pseudo labels. Knowledge-Based Systems, 2022, 252, 109374.	4.0	10
33	Modified clonal selection algorithm for learning qualitative compartmental models of metabolic systems. , 2007, , .		8
34	A systematic comparison study on hyperparameter optimisation of graph neural networks for molecular property prediction. , 2021, , .		8
35	An immune-inspired approach to qualitative system identification of biological pathways. Natural Computing, 2011, 10, 189-207.	1.8	7
36	QML-AiNet: An immune network approach to learning qualitative differential equation models. Applied Soft Computing Journal, 2015, 27, 148-157.	4.1	7

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37	A General Framework for Accelerating Swarm Intelligence Algorithms on FPGAs, GPUs and Multi-Core CPUs. IEEE Access, 2018, 6, 72327-72344.	2.6	7
38	PUEPro: A Computational Pipeline for Prediction of Urine Excretory Proteins. Lecture Notes in Computer Science, 2016, , 714-725.	1.0	7
39	Automatically Predicting Quiz Difficulty Level Using Similarity Measures. , 2015, , .		6
40	Large margin distribution machine recursive feature elimination. , 2017, , .		6
41	Density propagation based adaptive multi-density clustering algorithm. PLoS ONE, 2018, 13, e0198948.	1.1	6
42	Inferring structure and parameters of dynamic system models simultaneously using swarm intelligence approaches. Memetic Computing, 2020, 12, 267-282.	2.7	6
43	A Multi-View Clustering Algorithm for Mixed Numeric and Categorical Data. IEEE Access, 2021, 9, 24913-24924.	2.6	6
44	A Genetic Algorithm with Tree-structured Mutation for Hyperparameter Optimisation of Graph Neural Networks. , 2021, , .		6
45	An integrative top-down and bottom-up qualitative model construction framework for exploration of biochemical systems. Soft Computing, 2015, 19, 1595-1610.	2.1	5
46	Goods Consumed During Transit in Split Delivery Vehicle Routing Problems: Modeling and Solution. IEEE Access, 2020, 8, 110336-110350.	2.6	5
47	A Multi-Modal Deep Learning Approach to the Early Prediction of Mild Cognitive Impairment Conversion to Alzheimer's Disease. , 2020, , .		5
48	From transparency to accountability of intelligent systems: Moving beyond aspirations. Data & Policy, 2022, 4, .	1.0	5
49	QML-Morven: A novel framework for learning qualitative differential equation models using both symbolic and evolutionary approaches. Journal of Computational Science, 2014, 5, 795-808.	1.5	4
50	Towards Real-Time Detection of Squamous Pre-Cancers from Oesophageal Endoscopic Videos. , 2019, , .		4
51	A Novel Spatio-Temporal Data Storage and Index Method for ARM-Based Hadoop Server. Lecture Notes in Computer Science, 2016, , 206-216.	1.0	4
52	Clonal Selection Algorithm for Solving Permutation Optimisation Problems: A Case Study of Travelling Salesman Problem. , 0, , .		4
53	Specific Biomarkers: Detection of Cancer Biomarkers Through High-Throughput Transcriptomics Data. Cognitive Computation, 2015, 7, 652-666.	3.6	3
54	Qualitative, semi-quantitative, and quantitative simulation of the osmoregulation system in yeast. BioSystems, 2015, 131, 40-50.	0.9	3

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55	An Improved EMD-Based Dissimilarity Metric for Unsupervised Linear Subspace Learning. Complexity, 2018, 2018, 1-24.	0.9	3
56	Explosion gravitation field algorithm with dust sampling for unconstrained optimization. Applied Soft Computing Journal, 2019, 81, 105500.	4.1	3
57	An Efficient v-Minimum Absolute Deviation Distribution Regression Machine. IEEE Access, 2020, 8, 85533-85551.	2.6	3
58	QML-AiNet: An Immune-Inspired Network Approach to Qualitative Model Learning. Lecture Notes in Computer Science, 2010, , 223-236.	1.0	3
59	Cancer genotypes prediction and associations analysis from imaging phenotypes: a survey on radiogenomics. Biomarkers in Medicine, 2020, 14, 1151-1164.	0.6	3
60	GUV-Net for high fidelity shoeprint generation. Complex & Intelligent Systems, 0, , 1.	4.0	3
61	Explainable Artificial Intelligence in Healthcare: Opportunities, Gaps and Challenges and a Novel Way to Look at the Problem Space. Lecture Notes in Computer Science, 2021, , 333-342.	1.0	3
62	A Novel Object Tracking Algorithm Based on Compressed Sensing and Entropy of Information. Mathematical Problems in Engineering, 2015, 2015, 1-18.	0.6	2
63	An Integrated Qualitative and Quantitative Biochemical Model Learning Framework Using Evolutionary Strategy and Simulated Annealing. Cognitive Computation, 2015, 7, 637-651.	3.6	2
64	Link community detection based on line graphs with a novel link similarity measure. International Journal of Modern Physics B, 2016, 30, 1650023.	1.0	2
65	TCPModel: A Short-Term Traffic Congestion Prediction Model Based on Deep Learning. Communications in Computer and Information Science, 2019, , 66-79.	0.4	2
66	A physarum-inspired competition algorithm for solving discrete multi-objective optimization problems. , 2019, , .		2
67	Partitioning Clustering Based on Support Vector Ranking. Lecture Notes in Computer Science, 2016, , 726-737.	1.0	2
68	$$varepsilon $$Îµ-Distance Weighted Support Vector Regression. Lecture Notes in Computer Science, 2018, , 209-220.	1.0	2
69	Minimum Distribution Support Vector Clustering. Entropy, 2021, 23, 1473.	1.1	2
70	Learning Qualitative Metabolic Models Using Evolutionary Methods. , 2010, , .		1
71	Stepwise modelling of biochemical pathways based on qualitative model learning. , 2013, , .		1
72	Building Recognition on Subregionâ€™s Multiscale Gist Feature Extraction and Corresponding Columns Information Based Dimensionality Reduction. Journal of Applied Mathematics, 2014, 2014, 1-10.	0.4	1

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73	Dimension Reduction Using Samplesâ€™ Inner Structure Based Graph for Face Recognition. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	1
74	Essential protein identification based on essential protein-protein interaction prediction by integrated edge weights. , 2014, , .		1
75	An immune network approach to learning qualitative models of biological pathways. , 2014, , .		1
76	FdDCA. , 2016, , .		1
77	Gravitation field algorithm with optimal detection for unconstrained optimization. , 2017, , .		1
78	CLEMI-Imputation Evaluation. , 2018, , .		1
79	Physarum Inspired Connectivity and Restoration for Wireless Sensor and Actor Networks. Advances in Intelligent Systems and Computing, 2019, , 327-338.	0.5	1
80	Evolutionary Learning for Soft Margin Problems: A Case Study on Practical Problems with Kernels. , 2020, , .		1
81	Which hyperparameters to optimise?. , 2021, , .		1
82	Mode-Driven Volume Analysis Based on Correlation of Time Series. Lecture Notes in Computer Science, 2015, , 818-833.	1.0	1
83	Data-driven two-layer visual dictionary structure learning. Journal of Electronic Imaging, 2019, 28, 1.	0.5	1
84	Physarum Inspired Model for Mobile Sensor Nodes Deployment in the Presence of Obstacles. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 153-160.	0.2	1
85	Identification of a prognostic signature in colorectal cancer using combinatorial algorithmâ€driven analysis. Journal of Pathology: Clinical Research, 2022, , .	1.3	1
86	Extended kernel subset analysis for qualitative model learning. , 2012, , .		0
87	Fuzzy qualitative simulation with multivariate constraints. , 2014, , .		0
88	Multimodal Action Recognition. , 2016, , 71-85.		0
89	Inferring structure and parameters of dynamic systems using particle swarm optimization. , 2019, , .		0
90	An Immune-Inspired Approach to Macro-Level Neural Ensemble Search. , 2021, , .		0

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91	An Evolution Computation Based Approach to Synthesize Video Texture. Lecture Notes in Computer Science, 2006, , 223-230.	1.0	0
92	An Immune-Inspired Approach to Qualitative System Identification of the Detoxification Pathway of Methylglyoxal. Lecture Notes in Computer Science, 2009, , 151-164.	1.0	0
93	A Novel Diversity Measure for Understanding Movie Ranks in Movie Collaboration Networks. Lecture Notes in Computer Science, 2017, , 750-761.	1.0	0
94	Swarm Inspired Approaches for K-prototypes Clustering. Advances in Intelligent Systems and Computing, 2020, , 201-209.	0.5	0