

# Wei Pang

## List of Publications by Year in descending order

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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	Multiscale increment entropy: An approach for quantifying the physiological complexity of biomedical time series. <i>Information Sciences</i> , 2022, 586, 279-293.	4.0	11
2	Identification of a prognostic signature in colorectal cancer using combinatorial algorithm-driven analysis. <i>Journal of Pathology: Clinical Research</i> , 2022, , .	1.3	1
3	From transparency to accountability of intelligent systems: Moving beyond aspirations. <i>Data &amp; Policy</i> , 2022, 4, .	1.0	5
4	An improved density peak clustering algorithm guided by pseudo labels. <i>Knowledge-Based Systems</i> , 2022, 252, 109374.	4.0	10
5	A Multi-View Clustering Algorithm for Mixed Numeric and Categorical Data. <i>IEEE Access</i> , 2021, 9, 24913-24924.	2.6	6
6	A Genetic Algorithm with Tree-structured Mutation for Hyperparameter Optimisation of Graph Neural Networks. , 2021, , .		6
7	An Immune-Inspired Approach to Macro-Level Neural Ensemble Search. , 2021, , .		0
8	A systematic comparison study on hyperparameter optimisation of graph neural networks for molecular property prediction. , 2021, , .		8
9	Which hyperparameters to optimise?. , 2021, , .		1
10	Minimum Distribution Support Vector Clustering. <i>Entropy</i> , 2021, 23, 1473.	1.1	2
11	Explainable Artificial Intelligence in Healthcare: Opportunities, Gaps and Challenges and a Novel Way to Look at the Problem Space. <i>Lecture Notes in Computer Science</i> , 2021, , 333-342.	1.0	3
12	Self-adaptive parameter and strategy based particle swarm optimization for large-scale feature selection problems with multiple classifiers. <i>Applied Soft Computing Journal</i> , 2020, 88, 106031.	4.1	105
13	GANs-Based Data Augmentation for Citrus Disease Severity Detection Using Deep Learning. <i>IEEE Access</i> , 2020, 8, 172882-172891.	2.6	79
14	Inferring structure and parameters of dynamic system models simultaneously using swarm intelligence approaches. <i>Memetic Computing</i> , 2020, 12, 267-282.	2.7	6
15	Evolutionary Learning for Soft Margin Problems: A Case Study on Practical Problems with Kernels. , 2020, , .		1
16	Mammographic image classification with deep fusion learning. <i>Scientific Reports</i> , 2020, 10, 14361.	1.6	25
17	An Efficient $v$ -Minimum Absolute Deviation Distribution Regression Machine. <i>IEEE Access</i> , 2020, 8, 85533-85551.	2.6	3
18	Goods Consumed During Transit in Split Delivery Vehicle Routing Problems: Modeling and Solution. <i>IEEE Access</i> , 2020, 8, 110336-110350.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Deep Ensemble Learning for Human Action Recognition in Still Images. Complexity, 2020, 2020, 1-23.	0.9	34
20	Clustering Mixed Numeric and Categorical Data With Cuckoo Search. IEEE Access, 2020, 8, 30988-31003.	2.6	14
21	McDPC: multi-center density peak clustering. Neural Computing and Applications, 2020, 32, 13465-13478.	3.2	45
22	A systematic density-based clustering method using anchor points. Neurocomputing, 2020, 400, 352-370.	3.5	15
23	Spatial imputation for air pollutants data sets via low rank matrix completion algorithm. Environment International, 2020, 139, 105713.	4.8	24
24	DeepSwarm: Optimising Convolutional Neural Networks Using Swarm Intelligence. Advances in Intelligent Systems and Computing, 2020, , 119-130.	0.5	18
25	A Multi-Modal Deep Learning Approach to the Early Prediction of Mild Cognitive Impairment Conversion to Alzheimer's Disease. , 2020, , .		5
26	Cancer genotypes prediction and associations analysis from imaging phenotypes: a survey on radiogenomics. Biomarkers in Medicine, 2020, 14, 1151-1164.	0.6	3
27	Swarm Inspired Approaches for K-prototypes Clustering. Advances in Intelligent Systems and Computing, 2020, , 201-209.	0.5	0
28	TCPModel: A Short-Term Traffic Congestion Prediction Model Based on Deep Learning. Communications in Computer and Information Science, 2019, , 66-79.	0.4	2
29	Towards machine learning approaches for predicting the self-healing efficiency of materials. Computational Materials Science, 2019, 168, 180-187.	1.4	15
30	FREDPC: A Feasible Residual Error-Based Density Peak Clustering Algorithm With the Fragment Merging Strategy. IEEE Access, 2019, 7, 89789-89804.	2.6	28
31	A physarum-inspired competition algorithm for solving discrete multi-objective optimization problems. , 2019, , .		2
32	Inferring structure and parameters of dynamic systems using particle swarm optimization. , 2019, , .		0
33	LatinPSO: An algorithm for simultaneously inferring structure and parameters of ordinary differential equations models. BioSystems, 2019, 182, 8-16.	0.9	12
34	Explosion gravitation field algorithm with dust sampling for unconstrained optimization. Applied Soft Computing Journal, 2019, 81, 105500.	4.1	3
35	Towards Real-Time Detection of Squamous Pre-Cancers from Oesophageal Endoscopic Videos. , 2019, , .		4
36	Physarum Inspired Connectivity and Restoration for Wireless Sensor and Actor Networks. Advances in Intelligent Systems and Computing, 2019, , 327-338.	0.5	1

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37	Data-driven two-layer visual dictionary structure learning. Journal of Electronic Imaging, 2019, 28, 1.	0.5	1
38	A General Framework for Accelerating Swarm Intelligence Algorithms on FPGAs, GPUs and Multi-Core CPUs. IEEE Access, 2018, 6, 72327-72344.	2.6	7
39	Density propagation based adaptive multi-density clustering algorithm. PLoS ONE, 2018, 13, e0198948.	1.1	6
40	An Evolutionary Computation Based Feature Selection Method for Intrusion Detection. Security and Communication Networks, 2018, 2018, 1-10.	1.0	30
41	CLEMI-Imputation Evaluation. , 2018, , .		1
42	An Improved EMD-Based Dissimilarity Metric for Unsupervised Linear Subspace Learning. Complexity, 2018, 2018, 1-24.	0.9	3
43	A Self-Adaptive Fireworks Algorithm for Classification Problems. IEEE Access, 2018, 6, 44406-44416.	2.6	20
44	$\epsilon$ - $\mu$ -Distance Weighted Support Vector Regression. Lecture Notes in Computer Science, 2018, , 209-220.	1.0	2
45	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
46	Gravitation field algorithm with optimal detection for unconstrained optimization. , 2017, , .		1
47	Large margin distribution machine recursive feature elimination. , 2017, , .		6
48	A Novel Diversity Measure for Understanding Movie Ranks in Movie Collaboration Networks. Lecture Notes in Computer Science, 2017, , 750-761.	1.0	0
49	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
50	FdDCA. , 2016, , .		1
51	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
52	Multimodal Action Recognition. , 2016, , 71-85.		0
53	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
54	PUEPro: A Computational Pipeline for Prediction of Urine Excretory Proteins. Lecture Notes in Computer Science, 2016, , 714-725.	1.0	7

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55	Partitioning Clustering Based on Support Vector Ranking. Lecture Notes in Computer Science, 2016, , 726-737.	1.0	2
56	Automatically Predicting Quiz Difficulty Level Using Similarity Measures. , 2015, , .		6
57	Sherlock: A Semi-automatic Framework for Quiz Generation Using a Hybrid Semantic Similarity Measure. Cognitive Computation, 2015, 7, 667-679.	3.6	16
58	A Novel Artificial Bee Colony Based Clustering Algorithm for Categorical Data. PLoS ONE, 2015, 10, e0127125.	1.1	20
59	A Novel Object Tracking Algorithm Based on Compressed Sensing and Entropy of Information. Mathematical Problems in Engineering, 2015, 2015, 1-18.	0.6	2
60	An Integrated Qualitative and Quantitative Biochemical Model Learning Framework Using Evolutionary Strategy and Simulated Annealing. Cognitive Computation, 2015, 7, 637-651.	3.6	2
61	QML-AiNet: An immune network approach to learning qualitative differential equation models. Applied Soft Computing Journal, 2015, 27, 148-157.	4.1	7
62	Specific Biomarkers: Detection of Cancer Biomarkers Through High-Throughput Transcriptomics Data. Cognitive Computation, 2015, 7, 652-666.	3.6	3
63	Qualitative, semi-quantitative, and quantitative simulation of the osmoregulation system in yeast. BioSystems, 2015, 131, 40-50.	0.9	3
64	Essential protein identification based on essential proteinâ€™protein interaction prediction by Integrated Edge Weights. Methods, 2015, 83, 51-62.	1.9	25
65	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
66	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
67	Mode-Driven Volume Analysis Based on Correlation of Time Series. Lecture Notes in Computer Science, 2015, , 818-833.	1.0	1
68	Fuzzy qualitative simulation with multivariate constraints. , 2014, , .		0
69	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
70	Dimension Reduction Using Samplesâ€™ Inner Structure Based Graph for Face Recognition. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	1
71	Essential protein identification based on essential protein-protein interaction prediction by integrated edge weights. , 2014, , .		1
72	Hete-CF: Social-Based Collaborative Filtering Recommendation Using Heterogeneous Relations. , 2014, , .		89

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73	An immune network approach to learning qualitative models of biological pathways. , 2014, , .		1
74	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
75	Semi-supervised Clustering on Heterogeneous Information Networks. Lecture Notes in Computer Science, 2014, , 548-559.	1.0	24
76	Stepwise modelling of biochemical pathways based on qualitative model learning. , 2013, , .		1
77	Combinatorial stresses kill pathogenic <i>Candida</i> species. Medical Mycology, 2012, 50, 699-709.	0.3	79
78	Tensor Discriminant Analysis With Multiscale Features for Action Modeling and Categorization. IEEE Signal Processing Letters, 2012, 19, 95-98.	2.1	11
79	Extended kernel subset analysis for qualitative model learning. , 2012, , .		0
80	A fuzzy k-prototype clustering algorithm for mixed numeric and categorical data. Knowledge-Based Systems, 2012, 30, 129-135.	4.0	124
81	Incremental multi-linear discriminant analysis using canonical correlations for action recognition. Neurocomputing, 2012, 83, 56-63.	3.5	11
82	An immune-inspired approach to qualitative system identification of biological pathways. Natural Computing, 2011, 10, 189-207.	1.8	7
83	A decision support system using soft computing for modern international container transportation services. Applied Soft Computing Journal, 2010, 10, 1087-1095.	4.1	19
84	Learning Qualitative Metabolic Models Using Evolutionary Methods. , 2010, , .		1
85	Learning Qualitative Differential Equation models: a survey of algorithms and applications. Knowledge Engineering Review, 2010, 25, 69-107.	2.1	13
86	QML-AiNet: An Immune-Inspired Network Approach to Qualitative Model Learning. Lecture Notes in Computer Science, 2010, , 223-236.	1.0	3
87	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
88	Modified clonal selection algorithm for learning qualitative compartmental models of metabolic systems. , 2007, , .		8
89	An Evolution Computation Based Approach to Synthesize Video Texture. Lecture Notes in Computer Science, 2006, , 223-230.	1.0	0
90	Particle swarm optimization for traveling salesman problem. , 0, , .		144

#	ARTICLE	IF	CITATIONS
91	Modified particle swarm optimization based on space transformation for solving traveling salesman problem. , 0, , .		17
92	Fuzzy discrete particle swarm optimization for solving traveling salesman problem. , 0, , .		61
93	Clonal Selection Algorithm for Solving Permutation Optimisation Problems: A Case Study of Travelling Salesman Problem. , 0, , .		4
94	GUV-Net for high fidelity shoeprint generation. Complex & Intelligent Systems, 0, , 1.	4.0	3