Bo Yuan

List of Publications by Year
in descending order

90 papers	1,334 citations	567281 15 h-index	501196 28 g-index
95 all docs	95 docs citations	95 times ranked	1316 citing authors

#	Article	IF	Citations
1	On the Optimal Robot Routing Problem in Wireless Sensor Networks. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 1252-1261.	5.7	173
2	User oriented trajectory search for trip recommendation. , 2012, , .		136
3	A general-purpose tunable landscape generator. IEEE Transactions on Evolutionary Computation, 2006, 10, 590-603.	10.0	78
4	On the importance of diversity maintenance in estimation of distribution algorithms. , 2005, , .		55
5	Learning From a Complementary-Label Source Domain: Theory and Algorithms. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7667-7681.	11.3	50
6	Dense registration of fingerprints. Pattern Recognition, 2017, 63, 87-101.	8.1	43
7	Experimental Results for the Special Session on Real-Parameter Optimization at CEC 2005: A Simple, Continuous EDA. , 0, , .		41
8	Mixed Active/Passive Robust Fault Detection and Isolation Using Set-Theoretic Unknown Input Observers. IEEE Transactions on Automation Science and Engineering, 2018, 15, 863-871.	5.2	40
9	Generalized set‑theoretic unknown input observer for LPV systems with application to state estimation and robust fault detection. International Journal of Robust and Nonlinear Control, 2017, 27, 3812-3832.	3.7	38
10	Active learning via query synthesis and nearest neighbour search. Neurocomputing, 2015, 147, 426-434.	5.9	36
11	Finding the most accessible locations. , 2011, , .		35
12	PNN query processing on compressed trajectories. GeoInformatica, 2012, 16, 467-496.	2.7	35
13	Statistical Racing Techniques for Improved Empirical Evaluation of Evolutionary Algorithms. Lecture Notes in Computer Science, 2004, , 172-181.	1.3	34
14	Statics of Continuum Space Manipulators With Nonconstant Curvature via Pseudorigid-Body 3R Model. IEEE Access, 2018, 6, 70854-70865.	4.2	31
15	Density-based hierarchical clustering for streaming data. Pattern Recognition Letters, 2012, 33, 641-645.	4.2	27
16	Real-time hand gesture recognition with Kinect for playing racing video games. , 2014, , .		27
17	Robust Fault Detection and Set-Theoretic UIO for Discrete-Time LPV Systems With State and Output Equations Scheduled by Inexact Scheduling Variables. IEEE Transactions on Automatic Control, 2019, 64, 4982-4997.	5.7	25
18	Combining Meta-EAs and Racing for Difficult EA Parameter Tuning Tasks. , 2007, , 121-142.		25

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19	Vibration suppression control of free-floating space robots with flexible appendages for autonomous target capturing. Acta Astronautica, 2018, 151, 904-918.	3.2	22
20	A novel design of unknown input observers using set-theoretic methods for robust fault detection. , 2016, , .		21
21	Playing in continuous spaces: some analysis and extension of population-based incremental learning. , 0, , .		18
22	Extending a class of continuous estimation of distribution algorithms to dynamic problems. Optimization Letters, 2008, 2, 433-443.	1.6	18
23	Local correlation detection with linearity enhancement in streaming data. , 2013, , .		18
24	Efficient distributed clustering using boundary information. Neurocomputing, 2018, 275, 2355-2366.	5.9	18
25	Rare Class Mining: Progress and Prospect. , 2009, , .		16
26	Anti-Windup Robust Backstepping Control for an Underactuated Reusable Launch Vehicle. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1492-1502.	9.3	15
27	Visualizing MOOC User Behaviors: A Case Study on XuetangX. Lecture Notes in Computer Science, 2016, , 89-98.	1.3	14
28	A highly scalable clustering scheme using boundary information. Pattern Recognition Letters, 2017, 89, 1-7.	4.2	14
29	Accelerating BIRCH for Clustering Large Scale Streaming Data Using CUDA Dynamic Parallelism. Lecture Notes in Computer Science, 2013, , 409-416.	1.3	14
30	Density-Based Multiscale Analysis for Clustering in Strong Noise Settings With Varying Densities. IEEE Access, 2018, 6, 25861-25873.	4.2	12
31	Approaching optimal compression with fast update for large scale routing tables. , 2012, , .		11
32	Vision Based Hand Gesture Recognition. , 2013, , .		11
33	Identity-Preserving Face Hallucination via Deep Reinforcement Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4796-4809.	8.3	11
34	Finding the Optimal Path in 3D Spaces Using EDAs â€" The Wireless Sensor Networks Scenario. Lecture Notes in Computer Science, 2007, , 536-545.	1.3	11
35	A Hybrid Approach to Parameter Tuning in Genetic Algorithms. , 0, , .		10
36	Sampling + reweighting: Boosting the performance of AdaBoost on imbalanced datasets. , 2012, , .		10

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37	Graph-Based Substructure Pattern Mining Using CUDA Dynamic Parallelism. Lecture Notes in Computer Science, 2013, , 342-349.	1.3	10
38	A Measure Oriented Training Scheme for Imbalanced Classification Problems. Lecture Notes in Computer Science, 2012, , 293-303.	1.3	10
39	Face Segmentor-Enhanced Deep Feature Learning for Face Recognition. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2019, 1, 223-237.	4.4	9
40	Dynamic Weighting Ensembles for Incremental Learning. , 2009, , .		8
41	On building a principled framework for evaluating and testing evolutionary algorithms: a continuous landscape generator. , 0, , .		7
42	DBSVEC: Density-Based Clustering Using Support Vector Expansion. , 2019, , .		7
43	Parallel Frequent Pattern Mining without Candidate Generation on GPUs. , 2014, , .		6
44	A Parallel GPU-Based Approach to Clustering Very Fast Data Streams. , 2015, , .		6
45	A Predictive Model for Identifying Possible MCI to AD Conversions in the ADNI Database. , 2009, , .		5
46	Mining Massive-Scale Spatiotemporal Trajectories in Parallel: A Survey. Lecture Notes in Computer Science, 2015, , 41-52.	1.3	5
47	Robust state estimation and fault detection combining unknown input observer and set-membership approach. , 2016, , .		5
48	Convergence analysis of UMDAC with finite populations. , 2009, , .		4
49	Parallel edge-based visual assessment of cluster tendency on GPU. International Journal of Data Science and Analytics, 2018, 6, 287-295.	4.1	4
50	An improved small-sample statistical test for comparing the success rates of evolutionary algorithms. , 2009, , .		3
51	Querying representative points from a pool based on synthesized queries. , 2012, , .		3
52	An efficient parallel ISODATA algorithm based on Kepler GPUs. , 2014, , .		3
53	Analysis of set-theoretic unknown input observer and interval observer in robust fault detection. , 2016, , .		3
54	Sequence-Aware Recommendation with Long-Term and Short-Term Attention Memory Networks. , 2019, , .		3

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55	Recommending People to Follow Using Asymmetric Factor Models with Social Graphs. Advances in Intelligent Systems and Computing, 2014, , 265-276.	0.6	3
56	Towards Solving TSPN with Arbitrary Neighborhoods: A Hybrid Solution. Lecture Notes in Computer Science, 2017, , 204-215.	1.3	3
57	Deterministic crowding, recombination and self-similarity. , 0, , .		2
58	The Effect of Distance Metrics on Boosting with Dynamic Weighting Schemes. , 2009, , .		2
59	Experience on Applying Push Model to Packet Processors in High Performance Routers. , 2010, , .		2
60	Density-Based Multiscale Analysis for Clustering in Strong Noise Settings. Lecture Notes in Computer Science, 2017, , 27-38.	1.3	2
61	Context-Dependent Sentiment Classification Using Antonym Pairs and Double Expansion. Lecture Notes in Computer Science, 2014, , 711-722.	1.3	2
62	Parallel Visual Assessment of Cluster Tendency on GPU. Lecture Notes in Computer Science, 2017, , 429-440.	1.3	2
63	Training a Pac-Man Player with Minimum Domain Knowledge and Basic Rationality. Communications in Computer and Information Science, 2010, , 169-177.	0.5	2
64	Robust Fingertip Tracking with Improved Kalman Filter. Lecture Notes in Computer Science, 2014, , 619-629.	1.3	2
65	A Novel Two-Phase Method for the Classification of Incomplete Data. , 2009, , .		1
66	Improving the throughput and delay performance of network processors by applying push model. , 2012, , .		1
67	Measure oriented training: a targeted approach to imbalanced classification problems. Frontiers of Computer Science, 2012, 6, 489.	2.4	1
68	Cyberinfrastructure: Applications and challenges. , 2014, , .		1
69	Improved Post-Processing for Human Detection in Railroad Surveillance. , 2014, , .		1
70	Community structure analysis using label propagation and flow-based ensemble learning. , 2016, , .		1
71	ACO-iRBA: A Hybrid Approach to TSPN with Overlapping Neighborhoods. Lecture Notes in Computer Science, 2017, , 87-96.	1.3	1
72	Next-Item Recommendation With Deep Adaptable Co-Embedding Neural Networks. IEEE Signal Processing Letters, 2021, 28, 1220-1224.	3.6	1

#	ARTICLE	IF	CITATIONS
73	Understanding the Top Grass Roots in Sina-Weibo. Lecture Notes in Computer Science, 2013, , 17-24.	1.3	1
74	Ubiquitous Robot: A New Paradigm for Intelligence. Lecture Notes in Computer Science, 2016, , 202-211.	1.3	1
75	Supervised Online Dictionary Learning for Image Separation Using OMP. Lecture Notes in Computer Science, 2016, , 557-568.	1.3	1
76	Multi-task Control for a Quadruped Robot with Changeable Leg Configuration. , 2020, , .		1
77	Heterogeneous Multidomain Recommender System Through Adversarial Learning. IEEE Transactions on Neural Networks and Learning Systems, 2022, PP, 1-13.	11.3	1
78	Catastrophic Interference in Reinforcement Learning: A Solution Based on Context Division and Knowledge Distillation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9925-9939.	11.3	1
79	MRI magnet design. , 2005, , .		0
80	Enhancing Software Search with Semantic Information from Wikipedia. Springer Proceedings in Complexity, 2013, , 1-9.	0.3	0
81	A Decision Support System Based on SSH and DWR for the Retail Industry. , 2013, , .		0
82	Corpus analysis and automatic detection of emotion-including keywords. Proceedings of SPIE, 2013, , .	0.8	0
83	Cooperative Mechanism of Local Memory and Cache in Network Processors. Applied Mechanics and Materials, 2013, 380-384, 1969-1972.	0.2	0
84	Mining Human Attractiveness from Chinese Dating Game Show If You are the One. , 2013, , .		0
85	GPU-Accelerated Standard and Multi-population Cultural Algorithms. , 2013, , .		0
86	Design and Integration of a Reconfiguration Robot. Lecture Notes in Computer Science, 2019, , 339-350.	1.3	0
87	An Empirical Study of the Convergence of RegionBoost. Lecture Notes in Computer Science, 2009, , 527-535.	1.3	0
88	Vision Based Multi-pedestrian Tracking Using Adaptive Detection and Clustering. Lecture Notes in Computer Science, 2013, , 58-66.	1.3	0
89	Music Recommendation Based on Label Correlation. Springer Proceedings in Complexity, 2013, , 143-152.	0.3	0
90	Detecting emotional diction in texts: a context-aware approach. WIT Transactions on Information and Communication Technologies, 2014, , .	0.0	0