Shoubin Dong

List of Publications by Year
in descending order

88 papers	1,412 citations	430843 18 h-index	395678 33 g-index
90 all docs	90 docs citations	90 times ranked	1328 citing authors

#	Article	IF	Citations
1	A Multi-Objective Optimization Scheduling Method Based on the Ant Colony Algorithm in Cloud Computing. IEEE Access, 2015, 3, 2687-2699.	4.2	275
2	High accuracy digital image correlation powered by GPU-based parallel computing. Optics and Lasers in Engineering, 2015, 69, 7-12.	3.8	86
3	HAGERec: Hierarchical Attention Graph Convolutional Network Incorporating Knowledge Graph for Explainable Recommendation. Knowledge-Based Systems, 2020, 204, 106194.	7.1	62
4	An energy-aware heuristic framework for virtual machine consolidation in Cloud computing. Journal of Supercomputing, 2014, 69, 429-451.	3.6	57
5	ITGO: Invasive tumor growth optimization algorithm. Applied Soft Computing Journal, 2015, 36, 670-698.	7.2	53
6	SIFT-aided path-independent digital image correlation accelerated by parallel computing. Optics and Lasers in Engineering, 2020, 127, 105964.	3.8	44
7	Dynamic VM Consolidation for Energy-Aware and SLA Violation Reduction in Cloud Computing. , 2012, , .		43
8	A Multiqueue Interlacing Peak Scheduling Method Based on Tasksâ€™ Classification in Cloud Computing. IEEE Systems Journal, 2018, 12, 1518-1530.	4.6	43
9	A lÃ©vy flight-based shuffled frog-leaping algorithm and its applications for continuous optimization problems. Applied Soft Computing Journal, 2016, 49, 641-662.	7.2	42
10	A Multi-Objective Hybrid Cloud Resource Scheduling Method Based on Deadline and Cost Constraints. IEEE Access, 2017, 5, 22067-22080.	4.2	39
11	Increasing recommended effectiveness with markov chains and purchase intervals. Neural Computing and Applications, 2014, 25, 1153-1162.	5.6	30
12	A deep learning model incorporating part of speech and self-matching attention for named entity recognition of Chinese electronic medical records. BMC Medical Informatics and Decision Making, 2019, 19, 65.	3.0	30
13	PGO: A parallel computing platform for global optimization based on genetic algorithm. Computers and Geosciences, 2007, 33, 357-366.	4.2	29
14	Evaluation of a Performance Model of Lustre File System. , 2010, , .		24
15	A Multichannel 2D Convolutional Neural Network Model for Task-Evoked fMRI Data Classification. Computational Intelligence and Neuroscience, 2019, 2019, 1-9.	1.7	24
16	Heterogeneous parallel computing accelerated iterative subpixel digital image correlation. Science China Technological Sciences, 2018, 61, 74-85.	4.0	23
17	Multigrid contact detection method. Physical Review E, 2007, 75, 036710.	2.1	22
18	Dynamically Weighted Load Evaluation Method Based on Self-adaptive Threshold in Cloud Computing. Mobile Networks and Applications, 2017, 22, 4-18.	3.3	21

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19	Spherical search optimizer: a simple yet efficient meta-heuristic approach. Neural Computing and Applications, 2020, 32, 9777-9808.	5.6	21
20	A multi-strategy collaborative prediction model for the runtime ofÂonline tasks in computing cluster/grid. Cluster Computing, 2011, 14, 199-210.	5.0	20
21	Drug-drug interaction relation extraction with deep convolutional neural networks. , 2017, , .		20
22	3D SIFT aided path independent digital volume correlation and its GPU acceleration. Optics and Lasers in Engineering, 2021, 136, 106323.	3.8	20
23	GFE: General Knowledge Enhanced Framework for Explainable Sequential Recommendation. Knowledge-Based Systems, 2021, 230, 107375.	7.1	17
24	GAT-LI: a graph attention network based learning and interpreting method for functional brain network classification. BMC Bioinformatics, 2021, 22, 379.	2.6	16
25	A Complex Virtual Screening Computing Platform Based on SOA. , 2007, , .		15
26	Hybrid glowworm swarm optimization for task scheduling in the cloud environment. Engineering Optimization, 2018, 50, 949-964.	2.6	15
27	Interpretable Learning Approaches in Resting-State Functional Connectivity Analysis: The Case of Autism Spectrum Disorder. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-12.	1.3	15
28	Path independent stereo digital image correlation with high speed and analysis resolution. Optics and Lasers in Engineering, 2022, 149, 106812.	3.8	15
29	A multi-modal fusion framework based on multi-task correlation learning for cancer prognosis prediction. Artificial Intelligence in Medicine, 2022, 126, 102260.	6.5	15
30	Personalized news recommendation based on articles chain building. Neural Computing and Applications, 2016, 27, 1263-1272.	5.6	14
31	Initiative movement prediction assisted adaptive handover trigger scheme in fast MIPv6. Computer Communications, 2012, 35, 1272-1282.	5.1	12
32	A three-dimensional collagen-fiber network model of the extracellular matrix for the simulation of the mechanical behaviors and micro structures. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 991-1003.	1.6	12
33	RACRec: Review Aware Cross-Domain Recommendation for Fully-Cold-Start User. IEEE Access, 2020, 8, 55032-55041.	4.2	12
34	Intrusive tumor growth inspired optimization algorithm for data clustering. Neural Computing and Applications, 2016, 27, 349-374.	5.6	11
35	iBGP: A Bipartite Graph Propagation Approach for Mobile Advertising Fraud Detection. Mobile Information Systems, 2017, 2017, 1-12.	0.6	10
36	PipeMEM: A Framework to Speed Up BWA-MEM in Spark with Low Overhead. Genes, 2019, 10, 886.	2.4	9

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37	A multi-omics supervised autoencoder for pan-cancer clinical outcome endpoints prediction. BMC Medical Informatics and Decision Making, 2020, 20, 129.	3.0	9
38	A Vascular Invasive Tumor Growth Optimization Algorithm for Multi-Objective Optimization. IEEE Access, 2020, 8, 29467-29488.	4.2	9
39	A TPSAC Model and Its Application to Mechanical Cloud Simulation. International Journal of Security and Its Applications, 2014, 8, 45-56.	0.8	9
40	A stability-based multipath routing algorithm for ad hoc networks. , 0, , .		8
41	Energy-Aware Framework for Virtual Machine Consolidation in Cloud Computing. , 2013, , .		8
42	Information retrieval: a view from the Chinese IR community. Frontiers of Computer Science, 2021, 15, 1.	2.4	8
43	A Cloud Resource Evaluation Model Based on Entropy Optimization and Ant Colony Clustering. Computer Journal, 2015, 58, 1254-1266.	2.4	7
44	Memetic quantum evolution algorithm for global optimization. Neural Computing and Applications, 2020, 32, 9299-9329.	5.6	7
45	GFD: A Weighted Heterogeneous Graph Embedding Based Approach for Fraud Detection in Mobile Advertising. Security and Communication Networks, 2020, 2020, 1-12.	1.5	7
46	Multi-granularity sequential neural network for document-level biomedical relation extraction. Information Processing and Management, 2021, 58, 102718.	8.6	7
47	A review of fusion methods for omics and imaging data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, PP, 1-1.	3.0	7
48	A Hybrid Parallel Framework for the Cellular Potts Model Simulations. , 2009, , .		6
49	SIMULATION OF GROWTH AND DIVISION OF 3D CELLS BASED ON FINITE ELEMENT METHOD. International Journal of Applied Mechanics, 2014, 06, 1450041.	2.2	6
50	A two-stage quantum-behaved particle swarm optimization with skipping search rule and weight to solve continuous optimization problem. Neural Computing and Applications, 2016, 27, 2429-2440.	5.6	6
51	Reverse Auction-Based Grid Resources Allocation. Lecture Notes in Computer Science, 2006, , 150-161.	1.3	6
52	Personalized search based on learning user click history. , 2010, , .		5
53	An Effective News Recommendation Method for Microblog User. Scientific World Journal, The, 2014, 2014, 1-14.	2.1	5
54	ADS-HCSpark: A scalable HaplotypeCaller leveraging adaptive data segmentation to accelerate variant calling on Spark. BMC Bioinformatics, 2019, 20, 76.	2.6	5

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55	LCQS: an efficient lossless compression tool of quality scores with random access functionality. BMC Bioinformatics, 2020, 21, 109.	2.6	5
56	A Hierarchical Graph Convolution Network for Representation Learning of Gene Expression Data. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3219-3229.	6.3	5
57	Research on the Performance of xVM Virtual Machine Based on HPCC. , 2009, , .		4
58	A Trust Aware Grid Access Control Architecture Based on ABAC. , 2010, , .		4
59	A New Replication Scheduling Strategy for Grid Workflow Applications. , 2011, , .		4
60	A velocity and neighbor density-based broadcast scheme in mobile ad hoc networks. Journal of High Speed Networks, 2015, 21, 221-235.	0.8	4
61	GPU accelerated parallel reliability-guided digital volume correlation with automatic seed selection based on 3D SIFT. Parallel Computing, 2021, 108, 102824.	2.1	4
62	Document-Level Biomedical Relation Extraction Leveraging Pretrained Self-Attention Structure and Entity Replacement: Algorithm and Pretreatment Method Validation Study. JMIR Medical Informatics, 2020, 8, e17644.	2.6	4
63	Service-oriented grid computation for large-scale parameter estimation in complex environmental modeling. , 2006, , .		3
64	A hybrid mathematical model of tumor-induced angiogenesis with blood perfusion. Tsinghua Science and Technology, 2014, 19, 648-657.	6.1	3
65	Multimedia event detection with â„“2-regularized logistic Gaussian mixture regression. Neural Computing and Applications, 2015, 26, 1561-1574.	5.6	3
66	A neighbor knowledge and velocity-based broadcast scheme for wireless ad hoc networks. International Journal of Distributed Sensor Networks, 2017, 13, 155014771774369.	2.2	3
67	GSGCP-FEM: A General Service-Oriented Grid Computing Platform for FEM-Based Simulations. , 2006, , .		2
68	Application of Collocation to Spam Filtering. , 2008, , .		2
69	Trust-GSM: A Trust Aware Security Model for Multi-domain Grid. , 2010, , .		2
70	Two-tier policy-based consolidation control for workload with soft deadline constrain in virtualized data center. , 2013, , .		2
71	LCTD: A lossless compression tool of FASTQ file based on transformation of original file distribution. , 2016, , .		2
72	A hybrid bipartite graph based recommendation algorithm for mobile games. , 2017, , .		2

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73	ALL-CQS: Adaptive locality-based lossy compression of quality scores. , 2017, , .		2
74	A Syntax-enhanced model based on category keywords for biomedical relation extraction. Journal of Biomedical Informatics, 2022, 132, 104135.	4.3	2
75	NKBM: A neighbor knowledge-based multicast scheme for dense wireless mesh networks. , 2015, , .		1
76	A lossless FASTQ Quality Scores file compression algorithm based on linear combination prediction. , 2016, , .		1
77	Numerical Model for Formation and Evolution of the Bleb. International Journal of Applied Mechanics, 2021, 13, 2150009.	2.2	1
78	Evaluation of Cellâ€™s Passability in the ECM Network. Biophysical Journal, 2020, 119, 1056-1064.	0.5	1
79	Graph Learning Approaches for Graph with Noise: Application to Disease Prediction in Population Graph. , 2020, , .		1
80	Parallel Multi-objective GA Based Rotamer Optimization on Grid. , 2008, , .		0
81	Design Consideration and Implementation of Portscan Detection Module on NP-Based IDS. , 2010, , .		0
82	A Label Quality-Oriented Method for Chinese Web Search Results Clustering. , 2010, , .		0
83	Job Scheduling Optimization of High Performance Computing in Biological Gene Sequencing Based on Workload Analysis. , 2017, , .		0
84	Variant-Kudu: An Efficient Tool kit Leveraging Distributed Bitmap Index for Analysis of Massive Genetic Variation Datasets. Journal of Computational Biology, 2020, 27, 1350-1360.	1.6	0
85	Spark-ITGO: a parallel invasive tumor growth optimization algorithm on spark. Cluster Computing, 0, , 1.	5.0	0
86	A Dynamic Self-adaptive Resource-Load Evaluation Method in Cloud Computing. , 2015, , .		0
87	Enriching Pre-trained Language Model with Dependency Syntactic Information for Chemical-Protein Interaction Extraction. Lecture Notes in Computer Science, 2020, , 58-69.	1.3	0
88	A Complex Virtual Screening Computing Platform Based on SOA. , 2007, , .		0