Rui Mao

List of Publications by Year
in descending order

43 papers	529 citations

933447

10 h-index	22 g-index

677142

43 all docs	43 docs citations	43 times ranked	549 citing authors

#	Article	IF	Citations
1	Dynamic Set Similarity Join: An Update Log Based Approach. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 3727-3741.	5.7	3
2	Tidal-Tree-Mem: Toward Read-Intensive Key-Value Stores With Tidal Structure Based on LSM-Tree. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2023, 42, 423-436.	2.7	1
3	vChecker: an application-level demand-based co-scheduler for improving the performance of parallel jobs in Xen. Wireless Networks, 2022, 28, 1313-1319.	3.0	1
4	PVSensing: A Process-Variation-Aware Space Allocation Strategy for 3D NAND Flash Memory. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 1302-1315.	2.7	7
5	Semisupervised Feature Selection via Structured Manifold Learning. IEEE Transactions on Cybernetics, 2022, 52, 5756-5766.	9.5	10
6	MU-RMW: Minimizing Unnecessary RMW Operations in the Embedded Flash with SMR Disk. , 2022, , .		3
7	SAFA: A Semi-Asynchronous Protocol for Fast Federated Learning With Low Overhead. IEEE Transactions on Computers, 2021, 70, 655-668.	3.4	142
8	A new deep learning method for displacement tracking from ultrasound RF signals of vascular walls. Computerized Medical Imaging and Graphics, 2021, 87, 101819.	5.8	11
9	Core Decomposition on Uncertain Graphs Revisited. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	5
10	LolliRAM: A Cross-Layer Design to Exploit Data Locality in Oblivious RAM. , 2021, , .		1
11	FarSpot: Optimizing Monetary Cost for HPC Applications in the Cloud Spot Market. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1.	5.6	4
12	A novel transcranial ultrasound imaging method with diverging wave transmission and deep learning approach. Computer Methods and Programs in Biomedicine, 2020, 186, 105308.	4.7	6
13	Dismantling complex networks based on the principal eigenvalue of the adjacency matrix. Chaos, 2020, 30, 083118.	2.5	6
14	I/O-Efficient Algorithms for Degeneracy Computation on Massive Networks. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	5.7	1
15	Towards Read-Intensive Key-Value Stores with Tidal Structure Based on LSM-Tree. , 2020, , .		4
16	Temperature-Aware Persistent Data Management for LSM-Tree on 3-D NAND Flash Memory. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2020, 39, 4611-4622.	2.7	11
17	Accelerating Federated Learning over Reliability-Agnostic Clients in Mobile Edge Computing Systems. IEEE Transactions on Parallel and Distributed Systems, 2020, , 1-1.	5.6	42
18	A Deep Concept-aware Model for predicting and explaining restaurant future status. , 2020, , .		1

#	Article	IF	Citations
19	Viscoelasticity Measurements of knee Muscles with Simulated Knee Osteoarthritis Treated by Novel Chinese Medicine: A Preliminary Study. , 2019, , .		0
20	Towards Cross-Platform Inference on Edge Devices with Emerging Neuromorphic Architecture. , 2019, , .		3
21	PATCH: Process-Variation-Resilient Space Allocation for Open-Channel SSD with 3D Flash. , 2019, , .		9
22	Privacy Regulation Aware Process Mapping in Geo-Distributed Cloud Data Centers. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 1872-1888.	5.6	23
23	A Performance Model for GPU Architectures that Considers On-Chip Resources: Application to Medical Image Registration. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 1947-1961.	5.6	6
24	FPGA-Based Parallel Multi-Core GZIP Compressor in HDFS. , 2019, , .		1
25	RNC: Reliable Network Property Classifier Based on Graph Embedding. , 2019, , .		0
26	Passivity-Based Leader-Following Consensus Control for Nonlinear Multi-Agent Systems with Fixed and Switching Topologies. IEEE Transactions on Network Science and Engineering, 2019, 6, 844-856.	6.4	23
27	Efficient Structural Clustering on Probabilistic Graphs. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1954-1968.	5.7	20
28	Optimally Removing Synchronization Overhead for CNNs in Three-Dimensional Neuromorphic Architecture. IEEE Transactions on Industrial Electronics, 2018, 65, 8973-8981.	7.9	4
29	éšå½¢ACK:ç‰‡ä¸Šç½‘ç»œACKåŒ…çš„éšå½¢ä¼è¾“. Science China Information Sciences, 2017, 60, 1.	4.3	1
30	Finding influential communities in massive networks. VLDB Journal, 2017, 26, 751-776.	4.1	35
31	Efficient distance-based representative skyline computation in 2D space. World Wide Web, 2017, 20, 621-638.	4.0	5
32	SLC25A36 and ZFAND5 Expression Levels Altered by the Interaction of EtOH Dosage and Exposure Time in Human Dental Pulp Stem Cells. , 2017, , .		1
33	Alcohol-Induced Differential Variable Genes. , 2017, , .		0
34	Semianalytical Solution for the Deformation of an Elastic Layer under an Axisymmetrically Distributed Power-Form Load: Application to Fluid-Jet-Induced Indentation of Biological Soft Tissues. BioMed Research International, 2017, 2017, 1-10.	1.9	1
35	Index Based Hidden Outlier Detection in Metric Space. Scientific Programming, 2016, 2016, 1-14.	0.7	1
36	Closest neighbors excluded outlier detection. , 2016, , .		1

#	Article	IF	Citations
37	Pivot selection for metric-space indexing. International Journal of Machine Learning and Cybernetics, 2016, 7, 311-323.	3.6	31
38	The Edge Weight Computation with MapReduce for Extracting Weighted Graphs. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 3659-3672.	5.6	3
39	Fine-Grained Localization for Multiple Transceiver-Free Objects by using RF-Based Technologies. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1464-1475.	5.6	76
40	Speed Up Distance-Based Similarity Query Using Multiple Threads. , 2014, , .		1
41	Localization Algorithm Based on Maximum a Posteriori in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2012, 8, 260302.	2.2	14
42	Approximation algorithm for minimizing relay node placement in wireless sensor networks. Science China Information Sciences, 2010, 53, 2332-2342.	4.3	10
43	A Novel Model and a Simulation Tool for Churn of P2P Network. , 2010, , .		1