

# Rui Mao

## List of Publications by Year in descending order

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43  
papers

529  
citations

933447

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h-index

677142

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all docs

43  
docs citations

43  
times ranked

549  
citing authors

#	ARTICLE	IF	CITATIONS
1	SAFA: A Semi-Asynchronous Protocol for Fast Federated Learning With Low Overhead. IEEE Transactions on Computers, 2021, 70, 655-668.	3.4	142
2	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
3	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
4	Finding influential communities in massive networks. VLDB Journal, 2017, 26, 751-776.	4.1	35
5	Pivot selection for metric-space indexing. International Journal of Machine Learning and Cybernetics, 2016, 7, 311-323.	3.6	31
6	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
7	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
8	Efficient Structural Clustering on Probabilistic Graphs. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1954-1968.	5.7	20
9	Localization Algorithm Based on Maximum a Posteriori in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2012, 8, 260302.	2.2	14
10	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
11	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
12	Approximation algorithm for minimizing relay node placement in wireless sensor networks. Science China Information Sciences, 2010, 53, 2332-2342.	4.3	10
13	Semisupervised Feature Selection via Structured Manifold Learning. IEEE Transactions on Cybernetics, 2022, 52, 5756-5766.	9.5	10
14	PATCH: Process-Variation-Resilient Space Allocation for Open-Channel SSD with 3D Flash. , 2019, , .		9
15	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
16	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
17	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
18	Dismantling complex networks based on the principal eigenvalue of the adjacency matrix. Chaos, 2020, 30, 083118.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Efficient distance-based representative skyline computation in 2D space. World Wide Web, 2017, 20, 621-638.	4.0	5
20	Core Decomposition on Uncertain Graphs Revisited. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	5
21	Optimally Removing Synchronization Overhead for CNNs in Three-Dimensional Neuromorphic Architecture. IEEE Transactions on Industrial Electronics, 2018, 65, 8973-8981.	7.9	4
22	Towards Read-Intensive Key-Value Stores with Tidal Structure Based on LSM-Tree. , 2020, , .		4
23	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
24	The Edge Weight Computation with MapReduce for Extracting Weighted Graphs. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 3659-3672.	5.6	3
25	Towards Cross-Platform Inference on Edge Devices with Emerging Neuromorphic Architecture. , 2019, , .		3
26	Dynamic Set Similarity Join: An Update Log Based Approach. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 3727-3741.	5.7	3
27	MU-RMW: Minimizing Unnecessary RMW Operations in the Embedded Flash with SMR Disk. , 2022, , .		3
28	A Novel Model and a Simulation Tool for Churn of P2P Network. , 2010, , .		1
29	Speed Up Distance-Based Similarity Query Using Multiple Threads. , 2014, , .		1
30	Index Based Hidden Outlier Detection in Metric Space. Scientific Programming, 2016, 2016, 1-14.	0.7	1
31	Closest neighbors excluded outlier detection. , 2016, , .		1
32	éšâ½ÇACK;ç%o†ă,Šç½'ç»œACKâĈE...çš,,éšâ½Çă½4è¾¼“. Science China Information Sciences, 2017, 60, 1.	4.3	1
33	SLC25A36 and ZFAND5 Expression Levels Altered by the Interaction of EtOH Dosage and Exposure Time in Human Dental Pulp Stem Cells. , 2017, , .		1
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	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
36	FPGA-Based Parallel Multi-Core GZIP Compressor in HDFS. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
37	I/O-Efficient Algorithms for Degeneracy Computation on Massive Networks. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	5.7	1
38	LolliRAM: A Cross-Layer Design to Exploit Data Locality in Oblivious RAM. , 2021, , .		1
39	A Deep Concept-aware Model for predicting and explaining restaurant future status. , 2020, , .		1
40	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
41	Alcohol-Induced Differential Variable Genes. , 2017, , .		0
42	Viscoelasticity Measurements of knee Muscles with Simulated Knee Osteoarthritis Treated by Novel Chinese Medicine: A Preliminary Study. , 2019, , .		0
43	RNC: Reliable Network Property Classifier Based on Graph Embedding. , 2019, , .		0