Wen-Zhong Guo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62 papers	800 citations	16 h-index	26 g-index
67 ext. papers	1,055 ext. citations	4.2 avg, IF	5.12 L-index

#	Paper	IF	Citations
62	A Survey on Security of Digital Microfluidic Biochips: Technology, Attack, and Defense. *ACM Transactions on Design Automation of Electronic Systems*, **2022**, 27, 1-33	1.5	1
61	Unsupervised deep clustering via contractive feature representation and focal loss. *Pattern Recognition*, **2022**, 123, 108386	7.7	3
60	Design automation for continuous-flow microfluidic biochips: A comprehensive review. *The Integration VLSI Journal*, **2022**, 82, 48-66	1.4	2
59	Network Embedding Based on Biased Random Walk for Community Detection in Attributed Networks. *IEEE Transactions on Computational Social Systems*, **2022**, 1-12	4.5	
58	Boundary-Aware graph Markov neural network for semiautomated object segmentation from point clouds. *International Journal of Applied Earth Observation and Geoinformation*, **2021**, 104, 102564	7.3	1
57	Three-Dimensional Object Co-Localization From Mobile LiDAR Point Clouds. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 1996-2007	6.1	0
56	Boundary-Aware and Semiautomatic Segmentation of 3-D Object in Point Clouds. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 18, 910-914	4.1	4
55	Computer-aided Design Techniques for Flow-based Microfluidic Lab-on-a-chip Systems. *ACM Computing Surveys*, **2021**, 54, 1-29	13.4	8
54	Efficient Analysis of Repairable Computing Systems Subject to Scheduled Checkpointing. *IEEE Transactions on Dependable and Secure Computing*, **2021**, 18, 1-14	3.9	16
53	HDR-GAN: HDR Image Reconstruction From Multi-Exposed LDR Images With Large Motions. *IEEE Transactions on Image Processing*, **2021**, 30, 3885-3896	8.7	13
52	Template Enhancement and Mask Generation for Siamese Tracking. *IEEE Signal Processing Letters*, **2021**, 28, 279-283	3.2	
51	PathDriver+: Enhanced Path-Driven Architecture Design for Flow-Based Microfluidic Biochips. *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*, **2021**, 1-1	2.5	3
50	An X-Architecture SMT Algorithm Based on Competitive Swarm Optimizer. *Lecture Notes in Computer Science*, **2021**, 393-404	0.9	0
49	. *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*, **2021**, 1-1	2.5	4
48	ML-KELM: A Kernel Extreme Learning Machine Scheme for Multi-Label Classification of Real Time Data Stream in SIoT. *IEEE Transactions on Network Science and Engineering*, **2021**, 1-1	4.9	2
47	Object Tracking by the Least Spatiotemporal Searches. *IEEE Internet of Things Journal*, **2021**, 8, 12934-12946	10.7	1
46	Flow-Based Microfluidic Biochips with Distributed Channel Storage: Synthesis, Physical Design, and Wash Optimization. *IEEE Transactions on Computers*, **2021**, 1-1	2.5	6

45	Discovering Overlapping Communities in Dynamic Networks Based on Cascade Information Diffusion. *IEEE Transactions on Computational Social Systems*, **2021**, 1-13	4.5	2
44	BigIntegr: One-Pass Architectural Synthesis for Continuous-Flow Microfluidic Lab-on-a-Chip Systems **2021**,		3
43	Multimedia access control with secure provenance in fog-cloud computing networks. *Multimedia Tools and Applications*, **2020**, 79, 10701-10716	2.5	2
42	Cyber-Physical-Social-Mediated Communication. *IT Professional*, **2020**, 22, 60-66	1.9	3
41	PathDriver **2020**,		4
40	Privacy-Preserving Compressive Sensing for Real-Time Traffic Monitoring in Urban City. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 14510-14522	6.8	3
39	An Unsupervised Detection Approach for Hardware Trojans. *IEEE Access*, **2020**, 8, 158169-158183	3.5	7
38	A Survey of DMFBs Security: State-of-the-Art Attack and Defense **2020**,		6
37	Boundary-aware RGBD Salient Object Detection with Cross-modal Feature Sampling. *IEEE Transactions on Image Processing*, **2020**, PP,	8.7	4
36	Pairwise Learning to Rank for Image Quality Assessment. *IEEE Access*, **2020**, 8, 192352-192367	3.5	1
35	Cross-Rack-Aware Single Failure Recovery for Clustered File Systems. *IEEE Transactions on Dependable and Secure Computing*, **2020**, 17, 248-261	3.9	11
34	Reliability Analysis of IoT Networks with Community Structures. *IEEE Transactions on Network Science and Engineering*, **2020**, 7, 304-315	4.9	5
33	Timing-Driven Flow-Channel Network Construction for Continuous-Flow Microfluidic Biochips. *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*, **2020**, 39, 1314-1327	2.5	13
32	An Unsupervised Embedding Learning Feature Representation Scheme for Network Big Data Analysis. *IEEE Transactions on Network Science and Engineering*, **2020**, 7, 115-126	4.9	13
31	Two Projection Neural Networks With Reduced Model Complexity for Nonlinear Programming. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 2020-2029	10.3	18
30	3-D Object Classification in Heterogeneous Point Clouds via Bag-of-Words and Joint Distribution Adaption. *IEEE Geoscience and Remote Sensing Letters*, **2019**, 16, 1909-1913	4.1	4
29	A Locating Method for Multi-Purposes HTs Based on the Boundary Network. *IEEE Access*, **2019**, 7, 110936-110950	3.5	7
28	. *IEEE Access*, **2019**, 7, 23628-23639	3.5	26

27	Correlation-Aware Stripe Organization for Efficient Writes in Erasure-Coded Storage: Algorithms and Evaluation. *IEEE Transactions on Parallel and Distributed Systems*, **2019**, 30, 1552-1564	3.7	3
26	An Overview of Unsupervised Deep Feature Representation for Text Categorization. *IEEE Transactions on Computational Social Systems*, **2019**, 6, 504-517	4.5	16
25	Addressing Imbalance in Weakly Supervised Multi-Label Learning. *IEEE Access*, **2019**, 7, 37463-37472	3.5	1
24	Dual-Search Artificial Bee Colony Algorithm for Engineering Optimization. *IEEE Access*, **2019**, 7, 24571-24584	3.5	10
23	A Survey of Task Allocation: Contrastive Perspectives From Wireless Sensor Networks and Mobile Crowdsensing. *IEEE Access*, **2019**, 7, 78406-78420	3.5	20
22	MiniControl **2019**,		12
21	The Sensitivity Design of Piezoresistive Acceleration Sensor in Industrial IoT. *IEEE Access*, **2019**, 7, 16952-16963	3.5	9
20	A machine-learning-based hardware-Trojan detection approach for chips in the Internet of Things. *International Journal of Distributed Sensor Networks*, **2019**, 15, 155014771988809	1.7	12
19	Privacy-Preserving Compressive Sensing for Traffic Estimation **2019**,		2
18	Physical Synthesis of Flow-Based Microfluidic Biochips Considering Distributed Channel Storage **2019**,		14
17	A Unified Scheme for Distance Metric Learning and Clustering via Rank-Reduced Regression. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 1-12	7.3	4
16	. *IEEE Transactions on Intelligent Transportation Systems*, **2019**, 20, 2157-2170	6.1	37
15	Using High-Bandwidth Networks Efficiently for Fast Graph Computation. *IEEE Transactions on Parallel and Distributed Systems*, **2019**, 30, 1170-1183	3.7	30
14	A Kernel-Based Compressive Sensing Approach for Mobile Data Gathering in Wireless Sensor Network Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 2315-2327	7.3	68
13	Efficient Traceable Authorization Search System for Secure Cloud Storage. *IEEE Transactions on Cloud Computing*, **2018**, 1-1	3.3	31
12	Efficient Regular Language Search for Secure Cloud Storage. *IEEE Transactions on Cloud Computing*, **2018**, 1-1	3.3	4
11	Image Quality Assessment for Color Correction Based on Color Contrast Similarity and Color Value Difference. *IEEE Transactions on Circuits and Systems for Video Technology*, **2018**, 28, 849-862	6.4	25
10	Region-Aware Image Denoising by Exploring Parameter Preference. *IEEE Transactions on Circuits and Systems for Video Technology*, **2018**, 28, 2433-2438	6.4	9

List of Publications

9	Encoding-Aware Data Placement for Efficient Degraded Reads in XOR-Coded Storage Systems: Algorithms and Evaluation. *IEEE Transactions on Parallel and Distributed Systems*, **2018**, 29, 2757-2770	3.7	23
8	Cost-Driven Scheduling for Deadline-Based Workflow Across Multiple Clouds. *IEEE Transactions on Network and Service Management*, **2018**, 15, 1571-1585	4.8	25
7	. *IEEE Transactions on Multimedia*, **2017**, 19, 1454-1466	6.6	53
6	A multi-label classification algorithm based on kernel extreme learning machine. *Neurocomputing*, **2017**, 260, 313-320	5.4	75
5	Spatial-Temporal Data Collection with Compressive Sensing in Mobile Sensor Networks. *Sensors*, **2017**, 17,	3.8	16
4	Correlation-Aware Stripe Organization for Efficient Writes in Erasure-Coded Storage Systems **2017**,		2
3	Robust co-clustering via dual local learning and high-order matrix factorization. *Knowledge-Based Systems*, **2017**, 138, 176-187	7.3	52
2	Encoding-Aware Data Placement for Efficient Degraded Reads in XOR-Coded Storage Systems **2016**,		6
1	A hybrid multi-objective PSO algorithm with local search strategy for VLSI partitioning. *Frontiers of Computer Science*, **2014**, 8, 203-216	2.2	45