

# Wenzhong Guo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/759115/publications.pdf>

Version: 2024-02-01

149  
papers

2,907  
citations

201385

27  
h-index

214527

47  
g-index

150  
all docs

150  
docs citations

150  
times ranked

2280  
citing authors

#	ARTICLE	IF	CITATIONS
1	Privacy-preserving smart IoT-based healthcare big data storage and self-adaptive access control system. <i>Information Sciences</i> , 2019, 479, 567-592.	4.0	254
2	A PSO-Optimized Real-Time Fault-Tolerant Task Allocation Algorithm in Wireless Sensor Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2015, 26, 3236-3249.	4.0	128
3	A Pretreatment Workflow Scheduling Approach for Big Data Applications in Multicloud Environments. <i>IEEE Transactions on Network and Service Management</i> , 2016, 13, 581-594.	3.2	122
4	A Survey on Knowledge Graph Embedding: Approaches, Applications and Benchmarks. <i>Electronics (Switzerland)</i> , 2020, 9, 750.	1.8	120
5	Land-Use Classification via Extreme Learning Classifier Based on Deep Convolutional Features. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 704-708.	1.4	105
6	Runtime model based approach to IoT application development. <i>Frontiers of Computer Science</i> , 2015, 9, 540-553.	1.6	101
7	A multi-label classification algorithm based on kernel extreme learning machine. <i>Neurocomputing</i> , 2017, 260, 313-320.	3.5	89
8	A Kernel-Based Compressive Sensing Approach for Mobile Data Gathering in Wireless Sensor Network Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 2315-2327.	5.9	88
9	A PSO-based timing-driven Octilinear Steiner tree algorithm for VLSI routing considering bend reduction. <i>Soft Computing</i> , 2015, 19, 1153-1169.	2.1	80
10	Distributed k-connected fault-tolerant topology control algorithms with PSO in future autonomic sensor systems. <i>International Journal of Sensor Networks</i> , 2012, 12, 53.	0.2	74
11	Design and Analysis of Self-Adapted Task Scheduling Strategies in Wireless Sensor Networks. <i>Sensors</i> , 2011, 11, 6533-6554.	2.1	69
12	A unified algorithm based on HTS and self-adapting PSO for the construction of octagonal and rectilinear SMT. <i>Soft Computing</i> , 2020, 24, 3943-3961.	2.1	69
13	Multi-Source Temporal Data Aggregation in Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2011, 56, 359-370.	1.8	68
14	Sparse Multigraph Embedding for Multimodal Feature Representation. <i>IEEE Transactions on Multimedia</i> , 2017, 19, 1454-1466.	5.2	65
15	A PSO-based intelligent decision algorithm for VLSI floorplanning. <i>Soft Computing</i> , 2010, 14, 1329-1337.	2.1	60
16	Robust co-clustering via dual local learning and high-order matrix factorization. <i>Knowledge-Based Systems</i> , 2017, 138, 176-187.	4.0	57
17	A hybrid multi-objective PSO algorithm with local search strategy for VLSI partitioning. <i>Frontiers of Computer Science</i> , 2014, 8, 203-216.	1.6	48
18	Using High-Bandwidth Networks Efficiently for Fast Graph Computation. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2019, 30, 1170-1183.	4.0	47

#	ARTICLE	IF	CITATIONS
19	XGRouter: high-quality global router in X-architecture with particle swarm optimization. <i>Frontiers of Computer Science</i> , 2015, 9, 576-594.	1.6	46
20	Meta-metric for saliency detection evaluation metrics based on application preference. <i>Multimedia Tools and Applications</i> , 2018, 77, 26351-26369.	2.6	43
21	FH-OAOS. <i>ACM Transactions on Design Automation of Electronic Systems</i> , 2016, 21, 1-31.	1.9	41
22	Efficient Traceable Authorization Search System for Secure Cloud Storage. <i>IEEE Transactions on Cloud Computing</i> , 2018, , 1-1.	3.1	39
23	Drug-drug interaction prediction with Wasserstein Adversarial Autoencoder-based knowledge graph embeddings. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	39
24	Unsupervised deep clustering via contractive feature representation and focal loss. <i>Pattern Recognition</i> , 2022, 123, 108386.	5.1	37
25	A local community detection algorithm based on internal force between nodes. <i>Applied Intelligence</i> , 2020, 50, 328-340.	3.3	36
26	A Survey of Task Allocation: Contrastive Perspectives From Wireless Sensor Networks and Mobile Crowdsensing. <i>IEEE Access</i> , 2019, 7, 78406-78420.	2.6	35
27	Generative adversarial networks based on Wasserstein distance for knowledge graph embeddings. <i>Knowledge-Based Systems</i> , 2020, 190, 105165.	4.0	33
28	Multitask Allocation to Heterogeneous Participants in Mobile Crowd Sensing. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-10.	0.8	32
29	Graph neural networks in node classification: survey and evaluation. <i>Machine Vision and Applications</i> , 2022, 33, 1.	1.7	30
30	Online optimization scheduling for scientific workflows with deadline constraint on hybrid clouds. <i>Concurrency Computation Practice and Experience</i> , 2016, 28, 3079-3095.	1.4	29
31	Data equilibrium based automatic image annotation by fusing deep model and semantic propagation. <i>Pattern Recognition</i> , 2017, 71, 60-77.	5.1	26
32	Timing-Driven Flow-Channel Network Construction for Continuous-Flow Microfluidic Biochips. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2020, 39, 1314-1327.	1.9	24
33	An Unsupervised Detection Approach for Hardware Trojans. <i>IEEE Access</i> , 2020, 8, 158169-158183.	2.6	23
34	PSO-BPNN-Based Prediction of Network Security Situation. , 2008, , .		22
35	Blockchain-Based Verifiable Multi-Keyword Ranked Search on Encrypted Cloud With Fair Payment. <i>IEEE Access</i> , 2019, 7, 140818-140832.	2.6	22
36	A Game Theory Algorithm for Intra-Cluster Data Aggregation in a Vehicular Ad Hoc Network. <i>Sensors</i> , 2016, 16, 245.	2.1	21

#	ARTICLE	IF	CITATIONS
37	Cost-Driven Scheduling for Deadline-Constrained Workflow on Multi-clouds. , 2015, , .		20
38	MiniControl. , 2019, , .		20
39	Physical Synthesis of Flow-Based Microfluidic Biochips Considering Distributed Channel Storage. , 2019, , .		20
40	Overlapping Community Detection Algorithm Based on Coarsening and Local Overlapping Modularity. IEEE Access, 2019, 7, 57943-57955.	2.6	19
41	An Unsupervised Embedding Learning Feature Representation Scheme for Network Big Data Analysis. IEEE Transactions on Network Science and Engineering, 2020, 7, 115-126.	4.1	19
42	MLXR: multi-layer obstacle-avoiding X-architecture Steiner tree construction for VLSI routing. Science China Information Sciences, 2017, 60, 1.	2.7	18
43	A PSO-Optimized Minimum Spanning Tree-Based Topology Control Scheme for Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 985410.	1.3	17
44	Spatial-Temporal Data Collection with Compressive Sensing in Mobile Sensor Networks. Sensors, 2017, 17, 2575.	2.1	17
45	A survey on automatic image annotation. Applied Intelligence, 2020, 50, 3412-3428.	3.3	17
46	Efficient Analysis of Repairable Computing Systems Subject to Scheduled Checkpointing. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 1-14.	3.7	17
47	Computer-aided Design Techniques for Flow-based Microfluidic Lab-on-a-chip Systems. ACM Computing Surveys, 2022, 54, 1-29.	16.1	17
48	Unsupervised discriminative feature representation via adversarial auto-encoder. Applied Intelligence, 2020, 50, 1155-1171.	3.3	15
49	A framework based on sparse representation model for time series prediction in smart city. Frontiers of Computer Science, 2021, 15, 1.	1.6	15
50	A Survey of DMFBs Security: State-of-the-Art Attack and Defense. , 2020, , .		14
51	DPSO-based Rectilinear Steiner Minimal Tree construction considering bend reduction. , 2011, , .		13
52	Region-Aware Image Denoising by Exploring Parameter Preference. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2433-2438.	5.6	13
53	Flow-Based Microfluidic Biochips With Distributed Channel Storage: Synthesis, Physical Design, and Wash Optimization. IEEE Transactions on Computers, 2022, 71, 464-478.	2.4	13
54	Interest prediction in social networks based on Markov chain modeling on clustered users. Concurrency Computation Practice and Experience, 2016, 28, 3895-3909.	1.4	12

#	ARTICLE	IF	CITATIONS
55	Service-Oriented Node Scheduling Schemes with Energy Efficiency in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 247173.	1.3	12
56	Participant selection for t-sweep k-coverage crowd sensing tasks. World Wide Web, 2018, 21, 741-758.	2.7	11
57	Reliability Analysis of IoT Networks with Community Structures. IEEE Transactions on Network Science and Engineering, 2020, 7, 304-315.	4.1	11
58	DPSO based Octagonal Steiner Tree algorithm for VLSI routing. , 2012, , .		10
59	Obstacle-Avoiding Octagonal Steiner Tree construction based on Particle Swarm Optimization. , 2013, , .		10
60	Framework for Context-Aware Computation Offloading in Mobile Cloud Computing. , 2016, , .		10
61	Correlation-Aware Stripe Organization for Efficient Writes in Erasure-Coded Storage Systems. , 2017, , .		10
62	ML-KELM: A Kernel Extreme Learning Machine Scheme for Multi-Label Classification of Real Time Data Stream in SloT. IEEE Transactions on Network Science and Engineering, 2022, 9, 1044-1055.	4.1	10
63	Boundary-Aware and Semiautomatic Segmentation of 3-D Object in Point Clouds. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 910-914.	1.4	10
64	Design automation for continuous-flow microfluidic biochips: A comprehensive review. The Integration VLSI Journal, 2022, 82, 48-66.	1.3	10
65	Reliable Adaptive Data Aggregation Route Strategy for a Trade-off between Energy and Lifetime in WSNs. Sensors, 2014, 14, 16972-16993.	2.1	9
66	Towards Model Based Approach to Hadoop Deployment and Configuration. , 2015, , .		9
67	Fast obstacle-avoiding octilinear steiner minimal tree construction algorithm for VLSI design. , 2015, , .		9
68	MiniDelay: Multi-Strategy Timing-Aware Layer Assignment for Advanced Technology Nodes. , 2020, , .		9
69	PathDriver+: Enhanced Path-Driven Architecture Design for Flow-Based Microfluidic Biochips. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 2185-2198.	1.9	9
70	A New Strategy of Acceleration Coefficients for Particle Swarm Optimization. , 2006, , .		8
71	Solving Multi-criteria Minimum Spanning Tree Problem with Discrete Particle Swarm Optimization. , 2007, , .		8
72	Data Replication Placement Strategy Based On Bidding Mode for Cloud Storage Cluster. , 2014, , .		8

#	ARTICLE	IF	CITATIONS
73	Dense small face detection based on regional cascade multi-scale method. IET Image Processing, 2019, 13, 2796-2804.	1.4	8
74	Dual Traceable Distributed Attribute-Based Searchable Encryption and Ownership Transfer. IEEE Transactions on Cloud Computing, 2023, 11, 247-262.	3.1	8
75	Design and Analysis of a MST-Based Topology Control Scheme with PSO for Wireless Sensor Networks. , 2011, , .		7
76	Popular Topic Detection in Chinese Micro-Blog Based on the Modified LDA Model. , 2015, , .		7
77	Multi-scale saliency detection via inter-regional shortest colour path. IET Computer Vision, 2015, 9, 290-299.	1.3	7
78	Clustering based interest prediction in social networks. Multimedia Tools and Applications, 2019, 78, 32755-32774.	2.6	7
79	A Unified Scheme for Distance Metric Learning and Clustering via Rank-Reduced Regression. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-12.	5.9	7
80	Privacy-Preserving Compressive Sensing for Real-Time Traffic Monitoring in Urban City. IEEE Transactions on Vehicular Technology, 2020, 69, 14510-14522.	3.9	7
81	Network representation learning based on community-aware and adaptive random walk for overlapping community detection. Applied Intelligence, 2022, 52, 9919-9937.	3.3	7
82	Self-Learning MapReduce Scheduler in Multi-job Environment. , 2013, , .		6
83	Efficient Regular Language Search for Secure Cloud Storage. IEEE Transactions on Cloud Computing, 2018, , 1-1.	3.1	6
84	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.	1.4	6
85	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.	4.0	6
86	Blockchain-Based Incentive Announcement System for Internet of Vehicles. , 2019, , .		6
87	VLSI floorplanning based on Particle Swarm Optimization. , 2008, , .		5
88	Topology control in wireless sensor networks based on discrete particle swarm optimization. , 2009, , .		5
89	Energy-balanced Sleep Scheduling Based on Particle Swarm Optimization in Wireless Sensor Network. , 2012, , .		5
90	Evaluation of visual saliency analysis algorithms in noisy images. Machine Vision and Applications, 2016, 27, 915-927.	1.7	5

#	ARTICLE	IF	CITATIONS
91	100+FPS detector of personal protective equipment for worker safety: A deep learning approach for green edge computing. Peer-to-Peer Networking and Applications, 2022, 15, 950-972.	2.6	5
92	MiniControl 2.0: Co-Synthesis of Flow and Control Layers for Microfluidic Biochips With Strictly Constrained Control Ports. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 5449-5463.	1.9	5
93	BigIntegr: One-Pass Architectural Synthesis for Continuous-Flow Microfluidic Lab-on-a-Chip Systems. , 2021, , .		5
94	Joint Sample Enhancement and Instance-Sensitive Feature Learning for Efficient Person Search. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7924-7937.	5.6	5
95	Obstacle-avoiding rectilinear Steiner minimum tree construction based on Discrete Particle Swarm Optimization. , 2011, , .		4
96	Social-Aware Task Allocation in Mobile Crowd Sensing. Wireless Communications and Mobile Computing, 2020, 2020, 1-15.	0.8	4
97	Object Tracking by the Least Spatiotemporal Searches. IEEE Internet of Things Journal, 2021, 8, 12934-12946.	5.5	4
98	SGAE: Stacked Graph Autoencoder for Deep Clustering. IEEE Transactions on Big Data, 2023, 9, 254-266.	4.4	4
99	A Multisensor Data Fusion Model for Semantic Segmentation in Aerial Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	4
100	A Multi-Agent-Based Adaptive Task Allocation Algorithm in Wireless Sensor Networks. , 2009, , .		3
101	A General P2P Scheme for Constructing Large-Scale Virtual Environments. , 2014, , .		3
102	A Model-Based Autonomous Engine for Application Runtime Environment Configuration and Deployment in PaaS Cloud. , 2014, , .		3
103	Multi-scale salient region and relevant visual keywords based model for automatic image annotation. Multimedia Tools and Applications, 2016, 75, 12477-12498.	2.6	3
104	MiniDeviation: An Efficient Multi-Stage Bus-Aware Global Router. , 2020, , .		3
105	Multimedia access control with secure provenance in fog-cloud computing networks. Multimedia Tools and Applications, 2020, 79, 10701-10716.	2.6	3
106	Three-Dimensional Object Co-Localization From Mobile LiDAR Point Clouds. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1996-2007.	4.7	3
107	Discovering Overlapping Communities in Dynamic Networks Based on Cascade Information Diffusion. IEEE Transactions on Computational Social Systems, 2022, 9, 794-806.	3.2	3
108	Learning deep convolutional descriptor aggregation for efficient visual tracking. Neural Computing and Applications, 2022, 34, 3745-3765.	3.2	3

#	ARTICLE	IF	CITATIONS
109	Toward Evaluating the Reliability of Deep-Neural-Network-Based IoT Devices. IEEE Internet of Things Journal, 2022, 9, 17002-17013.	5.5	3
110	Design Automation for Continuous-Flow Lab-on-a-Chip Systems: A One-Pass Paradigm. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2023, 42, 327-331.	1.9	3
111	The Component Diagnosability of General Networks. International Journal of Foundations of Computer Science, 2022, 33, 67-89.	0.8	3
112	A GEP-Based Anomaly Detection Scheme in Wireless Sensor Networks. , 2009, , .		2
113	A New Task Allocation Algorithm Based on Dynamic Coalition in WSNs. , 2012, , .		2
114	A coevolutionary multi-objective PSO algorithm for VLSI floorplanning. , 2012, , .		2
115	A Game Theoretical Fault-Tolerant Task Scheduling Algorithm for Wireless Sensor Network. , 2013, , .		2
116	Privacy-Preserving Compressive Sensing for Traffic Estimation. , 2019, , .		2
117	Pairwise Learning to Rank for Image Quality Assessment. IEEE Access, 2020, 8, 192352-192367.	2.6	2
118	Contour Accentuation for Transfer Learning-Based Ship Recognition Method. , 2020, , .		2
119	A Research and Application of Continuous Attributes Discretization Based on Cloud Model and Information Entropy. , 2009, , .		1
120	A brief review: Groupware evaluation by performance of specific tasks. , 2013, , .		1
121	A Runtime Architecture Based Framework Managing Hybrid Clouds. , 2015, , .		1
122	Unsupervised deep feature representation using adversarial auto-encoder. , 2019, , .		1
123	Stacked Sparse Auto-Encoder for Deep Clustering. , 2019, , .		1
124	Timing-Driven X-architecture Steiner Minimum Tree Construction Based on Social Learning Multi-Objective Particle Swarm Optimization. , 2021, , .		1
125	XGRouter: high-quality global router in X-architecture with particle swarm optimization. Frontiers of Computer Science, 2015, 9, 576.	1.6	1
126	Combating False Sense of Security: Breaking the Defense of Adversarial Training Via Non-Gradient Adversarial Attack. , 2022, , .		1



#	ARTICLE	IF	CITATIONS
127	PSO-FNN-based extraction of security situation element. , 2008, , .		0
128	GEP-Based Temporal Data Aggregation in Wireless Sensor Networks. , 2009, , .		0
129	Cyberspace Situation Prediction Based on Gene Expression Programming. , 2009, , .		0
130	A Dynamic-alliance-based Adaptive Task Allocation Algorithm in Wireless Sensor Networks. , 2010, , .		0
131	A hardware upgrade control strategy in weighted scale-free networks. , 2011, , .		0
132	A Secure and Hierarchical Architecture for P2PSIP Session Initiation. , 2012, , .		0
133	A system architecture for accessing residential multimedia services. , 2012, , .		0
134	Optimization Scheduling for Scientific Applications with Different Priorities across Multiple Clouds. , 2014, , .		0
135	A Background Prior Based Saliency Detection for JPEG Image. , 2014, , .		0
136	A Distributed Speech Algorithm for Large Scale Data Communication Systems. , 2014, , .		0
137	The Empirical Research of Virtual Enterprise Knowledge Transfer's Effectiveness Faced to the Independent Innovation Ability. , 2014, , .		0
138	Design and Implementation of Electric Charge Arrears Prediction System. , 2015, , .		0
139	Model transferring for unsupervised object localization. , 2019, , .		0
140	Recurrent Enhancement of Visual Comfort for Casual Stereoscopic Photography. , 2020, , .		0
141	Reliability Evaluation of Generalized Exchanged $X$ -Cubes Based on the Condition of $g$ -Good-Neighbor. Wireless Communications and Mobile Computing, 2020, 2020, 1-16.	0.8	0
142	Recurrent Enhancement of Visual Comfort for Casual Stereoscopic Photography. , 2020, , .		0
143	Discrete-Time Optimal Control of Double Integrators and its Application in Maglev Train. IEEJ Journal of Industry Applications, 2021, , .	0.9	0
144	ALIFRouter: A Practical Architecture-Level Inter-FPGA Router for Logic Verification. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
145	VarDefense: Variance-Based Defense against Poison Attack. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-9.	0.8	0
146	X-architecture Steiner Tree Algorithm with Limited Routing Length inside Obstacle. , 2021, , .		0
147	Two-Stage Competitive Particle Swarm Optimization Based Timing-Driven X-Routing for IC Design Under Smart Manufacturing. <i>ACM Transactions on Management Information Systems</i> , 2022, 13, 1-26.	2.1	0
148	Network Embedding Based on Biased Random Walk for Community Detection in Attributed Networks. <i>IEEE Transactions on Computational Social Systems</i> , 2023, 10, 2279-2290.	3.2	0
149	Minimizing the Cost of Spatiotemporal Searches Based on Reinforcement Learning with Probabilistic States. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-14.	0.8	0