Xiaoming Wang

List of Publications by Year
in descending order

84	2,296	257450	233421
papers	citations	24	45
		h-index	g-index

84	84	84	2123
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Efficient Approach to Sharing Edge Knowledge in 5G-Enabled Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2023, 19, 930-939.	11.3	16
2	Environmental conditions and mechanisms restricting microbial methanogenesis in the Miquan region of the southern Junggar Basin, NW China. Bulletin of the Geological Society of America, 2023, 135, 420-434.	3.3	7
3	An Efficient Feedback Control Mechanism for Positive/Negative Information Spread in Online Social Networks. IEEE Transactions on Cybernetics, 2022, 52, 87-100.	9.5	27
4	Carbon nanospheres derived from sunflower seed husk composited with anatase TiO_2 used as anode for lithium-ion battery. Ionics, 2022, 28, 1635-1646.	2.4	1
5	Thermodynamics of volatile fatty acid degradation during anaerobic digestion under organic overload stress: The potential to better identify process stability. Water Research, 2022, 214, 118187.	11.3	44
6	Alterations in Intestinal Antioxidant and Immune Function and Cecal Microbiota of Laying Hens Fed on Coated Sodium Butyrate Supplemented Diets. Animals, 2022, 12, 545.	2.3	6
7	Bioaccumulation and Translocation of 6:2 Fluorotelomer Sulfonate, GenX, and Perfluoroalkyl Acids by Urban Spontaneous Plants. ACS ES&T Engineering, 2022, 2, 1169-1178.	7.6	20
8	Multi-scale analysis of the foaming mechanism in anaerobic digestion of food waste: From physicochemical parameter, microbial community to metabolite response. Water Research, 2022, 218, 118482.	11.3	21
9	Intervening Coupling Diffusion of Competitive Information in Online Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 2548-2559.	5.7	20
10	Dynamic Control of Fraud Information Spreading in Mobile Social Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3725-3738.	9.3	44
11	A Knowledge Diffusion Model in Autonomous Learning Under Multiple Networks for Personalized Educational Resource Allocation. IEEE Transactions on Learning Technologies, 2021, 14, 430-444.	3.2	7
12	Dual Attention Network Based onÂKnowledge Graph for News Recommendation. Lecture Notes in Computer Science, 2021, , 364-375.	1.3	1
13	Effects of interactions between macroalgae and seagrass on the distribution of macrobenthic invertebrate communities at the Yellow River Estuary, China. Marine Pollution Bulletin, 2021, 164, 112057.	5.0	5
14	Ratiometric Antifouling Electrochemical Biosensors Based on Multifunctional Peptides and MXene Loaded with Au Nanoparticles and Methylene Blue. ACS Applied Materials & Interfaces, 2021, 13, 20388-20396.	8.0	86
15	Experimental Observations of Gas-sorption-Induced Strain Gradients and their Implications on Permeability Evolution of Shale. Rock Mechanics and Rock Engineering, 2021, 54, 3927-3943.	5.4	10
16	Foaming mechanisms and control strategies during the anaerobic digestion of organic waste: A critical review. Science of the Total Environment, 2021, 779, 146531.	8.0	33
17	Design and synthesis of Î²-carboline derivatives with nitrogen mustard moieties against breast cancer. Bioorganic and Medicinal Chemistry, 2021, 45, 116341.	3.0	7
18	Pollution in the interflow from a simple landfill in a mountainous and hilly area in Southwest China. Science of the Total Environment, 2021, 793, 148656.	8.0	8

#	Article	IF	Citations
19	Rapid screening and characterization of glucosinolates in 25 Brassicaceae tissues by UHPLC-Q-exactive orbitrap-MS. Food Chemistry, 2021, 365, 130493.	8.2	19
20	Multi-Round Incentive Mechanism for Cold Start-Enabled Mobile Crowdsensing. IEEE Transactions on Vehicular Technology, 2021, 70, 993-1007.	6.3	31
21	Dual Attention-based Interest Network for Personalized Recommendation System. , 2021, , .		0
22	Adaptive Computation Offloading for Mobile Augmented Reality. , 2021, 5, 1-30.		3
23	Virtual Machines Scheduling in Mobile Edge Computing: A Formal Concept Analysis Approach. IEEE Transactions on Sustainable Computing, 2020, 5, 319-328.	3.1	15
24	Characteristics of in situ stress and its influence on coalbed methane development: A case study in the eastern part of the southern Junggar Basin, NW China. Energy Science and Engineering, 2020, 8, 515-529.	4.0	19
25	Conflict-Aware Participant Recruitment for Mobile Crowdsensing. IEEE Transactions on Computational Social Systems, 2020, 7, 192-204.	4.4	8
26	A novel time-dimension and circadian rhythm-dependent strategy for pharmacodynamic evaluation of Uncaria in the regulation of neurotransmitter circadian metabolic homeostasis in spontaneously hypertensive rats. Biomedicine and Pharmacotherapy, 2020, 131, 110704.	5.6	4
27	An integrated data filtering and identification strategy for rapid profiling of chemical constituents, with Arnebiae Radix as an example. Journal of Chromatography A, 2020, 1629, 461496.	3.7	23
28	Response of process performance and microbial community to ammonia stress in series batch experiments. Bioresource Technology, 2020, 314, 123768.	9.6	25
29	Dam operation altered profiles of per- and polyfluoroalkyl substances in reservoir. Journal of Hazardous Materials, 2020, 393, 122523.	12.4	10
30	The effect of Ag@SiO$_2$ coreâ€shell nanoparticles on the dielectric properties of PVDF based nanocomposites. Polymer Composites, 2020, 41, 2245-2253.	4.6	24
31	An Efficient locationâ€aware routing approach in opportunistic networks. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 704-713.	1.4	4
32	Research on Algorithms for Finding Top-K Nodes in Campus Collaborative Learning Community Under Mobile Social Network. Lecture Notes in Computer Science, 2020, , 30-38.	1.3	0
33	Electrochemical aptasensor based on conductive supramolecular polymer hydrogels for thrombin detection with high selectivity. Talanta, 2019, 205, 120140.	5.5	42
34	Efficient Coupling Diffusion of Positive and Negative Information in Online Social Networks. IEEE Transactions on Network and Service Management, 2019, 16, 1226-1239.	4.9	30
35	Incentive Mechanisms for Crowdblocking Rumors in Mobile Social Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 9220-9232.	6.3	51
36	Hydrogeochemistry signatures of produced waters associated with coalbed methane production in the Southern Junggar Basin, NW China. Environmental Science and Pollution Research, 2019, 26, 31956-31980.	5.3	20

#	Article	IF	Citations
37	A Rumor Blocking Method Based on Tolerance of Users. , 2019, , .		2
38	Dual-Mode Electrochemical Assay of Prostate-Specific Antigen Based on Antifouling Peptides Functionalized with Electrochemical Probes and Internal References. Analytical Chemistry, 2019, 91, 15846-15852.	6.5	73
39	A novel segmented routing algorithm based on the markov decision process in mobile opportunistic networks. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 605-614.	1.4	1
40	A location-sensitive over-the-counter medicines recommender based on tensor decomposition. Journal of Supercomputing, 2019, 75, 1953-1970.	3.6	6
41	High-Quality Learning Resource Dissemination Based on Opportunistic Networks in Campus Collaborative Learning Context. Communications in Computer and Information Science, 2019, , 236-248.	0.5	1
42	Social identity–aware opportunistic routing in mobile social networks. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3297.	3.9	17
43	User social activity-based routing for cognitive radio networks. Personal and Ubiquitous Computing, 2018, 22, 471-487.	2.8	13
44	An on-demand coverage based self-deployment algorithm for big data perception in mobile sensing networks. Future Generation Computer Systems, 2018, 82, 220-234.	7.5	30
45	Anaerobic digestion of food waste: A review focusing on process stability. Bioresource Technology, 2018, 248, 20-28.	9.6	165
46	Hidden Phase Space Reconstruction: A Novel Chaotic Time Series Prediction Method for Speech Signals. Chinese Journal of Electronics, 2018, 27, 1221-1228.	1.5	7
47	A novel energy-efficient probabilistic routing method for mobile opportunistic networks. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	5
48	An Efficient Energy-Aware Probabilistic Routing Approach for Mobile Opportunistic Networks. Lecture Notes in Computer Science, 2018, , 671-682.	1.3	1
49	A novel contact prediction–based routing scheme for DTNs. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2889.	3.9	21
50	A novel approach for inhibiting misinformation propagation in human mobile opportunistic networks. Peer-to-Peer Networking and Applications, 2017, 10, 377-394.	3.9	30
51	A social activity and physical contact-based routing algorithm in mobile opportunistic networks for emergency response to sudden disasters. Enterprise Information Systems, 2017, 11, 597-626.	4.7	13
52	Cost-Efficient Strategies for Restraining Rumor Spreading in Mobile Social Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 2789-2800.	6.3	232
53	Energy–aware congestion control scheme in opportunistic networks. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, 412-419.	1.4	8
54	A controllable multi–replica routing approach for opportunistic networks. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, 589-600.	1.4	5

#	Article	IF	Citations
55	Spectrum-Availability Based Routing for Cognitive Sensor Networks. IEEE Access, 2017, 5, 4448-4457.	4.2	32
56	A social‐aware probabilistic routing approach for mobile opportunistic social networks. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3230.	3.9	9
57	MPLB: A Load Balance Scheme of Joint Resource Scheduling in Heterogeneous Wireless Network. , 2017, , .		1
58	CPC: A novel content popularity compensation algorithm for intelligent wireless router in user centric network. , 2017, , .		2
59	An Edge Correlation Based Differentially Private Network Data Release Method. Security and Communication Networks, 2017, 2017, 1-14.	1.5	3
60	Truthful Incentive Mechanisms for Social Cost Minimization in Mobile Crowdsourcing Systems. Sensors, 2016, 16, 481.	3.8	46
61	The Relationship between Jurassic Coal Measures and Sandstone‐type Uranium Deposits in the Northeastern Ordos Basin, China. Acta Geologica Sinica, 2016, 90, 2117-2132.	1.4	38
62	A mesophilic anaerobic digester for treating food waste: process stability and microbial community analysis using pyrosequencing. Microbial Cell Factories, 2016, 15, 65.	4.0	83
63	FakeMask: A Novel Privacy Preserving Approach for Smartphones. IEEE Transactions on Network and Service Management, 2016, 13, 335-348.	4.9	88
64	Energy Efficient Forwarding Algorithm in Opportunistic Networks. Chinese Journal of Electronics, 2016, 25, 957-964.	1.5	7
65	An efficient privacy preserving data aggregation approach for mobile sensing. Security and Communication Networks, 2016, 9, 3844-3853.	1.5	21
66	Higher-Load Data Transmitting in Opportunistic Networks Based on Probability Analysis of Communicating Capabilities. , 2016, , .		2
67	Primary and Secondary Social Activity Aware Routing for Cognitive Radio Networks. , 2016, , .		1
68	Computational models and optimal control strategies for emotion contagion in the human population in emergencies. Knowledge-Based Systems, 2016, 109, 35-47.	7.1	36
69	Approximate aggregation for tracking quantiles and range countings in wireless sensor networks. Theoretical Computer Science, 2015, 607, 381-390.	0.9	143
70	Decomposition and carbon storage of selected paper products in laboratory-scale landfills. Science of the Total Environment, 2015, 532, 70-79.	8.0	33
71	The impact of node velocity diversity on mobile opportunistic network performance. Journal of Network and Computer Applications, 2015, 55, 47-58.	9.1	13
72	Dynamics of microbial community in a mesophilic anaerobic digester treating food waste: Relationship between community structure and process stability. Bioresource Technology, 2015, 189, 113-120.	9.6	185

#	Article	IF	Citations
73	Modeling Propagation Dynamics and Developing Optimized Countermeasures for Rumor Spreading in Online Social Networks. , 2015, , .		67
74	Mobility-aware routing in delay tolerant networks. Personal and Ubiquitous Computing, 2015, 19, 1111-1123.	2.8	31
75	Signal power random fading based interference-aware routing for wireless sensor networks. Wireless Networks, 2014, 20, 1715-1727.	3.0	11
76	Fuzzy random multi-objective optimization based routing for wireless sensor networks. Soft Computing, 2014, 18, 981-994.	3.6	20
77	Reaction-diffusion modeling of malware propagation in mobile wireless sensor networks. Science China Information Sciences, 2013, 56, 1-18.	4.3	20
78	Interference-aware probabilistic routing for wireless sensor networks. Tsinghua Science and Technology, 2012, 17, 575-585.	6.1	9
79	FUZZY RANDOM EXPECTED VALUE MODEL BASED MULTI-OBJECTIVE OPTIMIZATION ROUTING FOR WIRELESS SENSOR NETWORKS. , 2012, , .		1
80	CMPR: COST-AWARE MULTIPATH ROUTING ALGORITHM FOR MOBILE WIRELESS SENSOR NETWORKS. , 2012, , .		0
81	EiSIRS: a formal model to analyze the dynamics ofÂworm propagation in wireless sensor networks. Journal of Combinatorial Optimization, 2010, 20, 47-62.	1.3	48
82	Construction of Anti-Collusion Codes Based on Cover-Free Families. , 2009, , .		7
83	Real time clustering of sensory data in wireless sensor networks. , 2009, , .		9
84	p-Percent Coverage Schedule in Wireless Sensor Networks. , 2008, , .		9