Ming Xia

List of Publications by Year
in descending order

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23 papers	172 citations	1307594 7 h-index	1125743 13 g-index
23 all docs	23 docs citations	23 times ranked	166 citing authors

#	Article	IF	Citations
1	Minimization of Transmission Completion Time in Wireless Powered Communication Networks. IEEE Internet of Things Journal, 2017, 4, 1671-1683.	8.7	58
2	SSA-Net: Spatial self-attention network for COVID-19 pneumonia infection segmentation with semi-supervised few-shot learning. Medical Image Analysis, 2022, 79, 102459.	11.6	39
3	Capacity analysis for diffusive molecular communication with ISI channel. Nano Communication Networks, 2017, 13, 43-50.	2.9	12
4	Performance Analysis of Diffusive Mobile Multiuser Molecular Communication With Drift. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2018, 4, 237-247.	2.1	10
5	MC 2. ACM Transactions on Sensor Networks, 2014, 10, 1-30.	3.6	9
6	Distributed Beacon Drifting Detection for Localization in Unstable Environments. Mathematical Problems in Engineering, 2013, 2013, 1-8.	1.1	8
7	Entropy-Based Maximally Stable Extremal Regions for Robust Feature Detection. Mathematical Problems in Engineering, 2012, 2012, 1-7.	1.1	7
8	Cascaded residual U-net for fully automatic segmentation of 3D carotid artery in high-resolution multi-contrast MR images. Physics in Medicine and Biology, 2021, 66, 045033.	3.0	7
9	Palâ€Net: A modified Uâ€Net of reducing semantic gap for surgical instrument segmentation. IET Image Processing, 2021, 15, 2959-2969.	2.5	5
10	Automatic Carotid Artery Detection Using Attention Layer Region-Based Convolution Neural Network. International Journal of Humanoid Robotics, 2019, 16, 1950015.	1.1	3
11	Energy efficiency analysis of multi-hop mobile diffusive molecular communication. Nano Communication Networks, 2020, 26, 100313.	2.9	3
12	Multimodal MR image registration using weakly supervised constrained affine network. Journal of Modern Optics, 2021, 68, 679-688.	1.3	3
13	PACE: Physically-Assisted Channel Estimation. IEEE Transactions on Wireless Communications, 2020, 19, 3769-3781.	9.2	2
14	Mode-oriented hybrid programming of sensor network nodes for supporting rapid and flexible utility assembly. Computer Networks, 2019, 158, 77-97.	5.1	1
15	Leveraging Wrist-Mounted Wearables for Lane-Change Detection. International Journal of Humanoid Robotics, 2019, 16, 1950014.	1.1	1
16	INSIGHT: An AR-Enabled User Interface for Vision-Based Markerless Interaction with IoT Nodes. , 2021, , .		1
17	Mobile Two-Way Molecular Communication via Diffusion Using Amplify-and-Forward and Analog Network Coding. IEEE Transactions on Nanobioscience, 2022, 21, 273-285.	3.3	1
18	Sum capacity analysis of mobile broadcast diffusive molecular communication. Nano Communication Networks, 2020, 26, 100314.	2.9	1

#	Article	IF	Citations
19	Optimization of Decision Thresholds in Two-Way Molecular Communication via Diffusion With Network Coding. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2022, 8, 249-262.	2.1	1
20	Network coding gain estimation for reliable multicast in wireless networks. , 2012, , .		0
21	Fast unsupervised texture segmentation using Texel similarity map. Journal of Modern Optics, 2015, 62, 1211-1222.	1.3	0
22	Environment-adaptive road traffic measurement with single wireless geomagnetic sensor node. , 2016, , .		0
23	Multi-Sequence MRI Registration of Atherosclerotic Carotid Arteries Based on Cross-Scale Siamese Network. Frontiers in Cardiovascular Medicine, 2021, 8, 785523.	2.4	0