Ruo-Hong Huan

List of Publications by Year
in descending order

34 papers	225 citations	1307594 7 h-index	1199594 12 g-index
34 all docs	34 docs citations	34 times ranked	213 citing authors

#	Article	IF	Citations
1	Realâ€time lossless ECG compression for lowâ€power wearable medical devices based on adaptive region prediction. Electronics Letters, 2014, 50, 1904-1906.	1.0	34
2	Video multimodal emotion recognition based on Bi-GRU and attention fusion. Multimedia Tools and Applications, 2021, 80, 8213-8240.	3.9	26
3	A three-dimension localization algorithm for wireless sensor network nodes based on SVM. , 2010, , .		15
4	A lightweight piecewise linear synthesis method for standard 12-lead ECG signals based on adaptive region segmentation. PLoS ONE, 2018, 13, e0206170.	2.5	15
5	A Spectralâ€“Temporal Patch-Based Missing Area Reconstruction for Time-Series Images. Remote Sensing, 2018, 10, 1560.	4.0	14
6	SAR image target recognition based on NMF feature extraction and Bayesian decision fusion. , 2010, , .		12
7	Human Complex Activity Recognition With Sensor Data Using Multiple Features. IEEE Sensors Journal, 2022, 22, 757-775.	4.7	12
8	Optimized Electrode Locations for Wearable Single-Lead ECG Monitoring Devices: A Case Study Using WFEES Modules based on the LANS Method. Sensors, 2019, 19, 4458.	3.8	10
9	Standard 12-lead ECG synthesis using a GA optimized BP neural network. , 2015, , .		9
10	Antiâ€occlusion particle filter objectâ€tracking method based on feature fusion. IET Image Processing, 2018, 12, 1529-1540.	2.5	9
11	Human action recognition based on HOIRM feature fusion and AP clustering BOW. PLoS ONE, 2019, 14, e0219910.	2.5	7
12	Gridding place recognition for fast loop closure detection on mobile platforms. Electronics Letters, 2019, 55, 931-933.	1.0	7
13	Robust Heartbeat Classification for Wearable Single-Lead ECG via Extreme Gradient Boosting. Sensors, 2021, 21, 5290.	3.8	6
14	A hybrid CNN and BLSTM network for human complex activity recognition with multi-feature fusion. Multimedia Tools and Applications, 2021, 80, 36159-36182.	3.9	6
15	Hierarchical Resampling Algorithm and Architecture for Distributed Particle Filters. Journal of Signal Processing Systems, 2013, 71, 237-246.	2.1	5
16	Real-Time Infrastructureless Indoor Tracking for Pedestrian Using a Smartphone. IEEE Sensors Journal, 2019, 19, 10782-10795.	4.7	5
17	SAR Target Recognition with the Fusion of LDA and ICA. , 2009, , .		4
18	Privacy-Aware Fuzzy Range Query Processing Over Distributed Edge Devices. IEEE Transactions on Fuzzy Systems, 2022, 30, 1421-1435.	9.8	4

#	Article	IF	Citations
19	Utilization of Semantic Planes: Improved Localization and Dense Semantic Map for Monocular SLAM in Urban Environment. IEEE Robotics and Automation Letters, 2021, 6, 6108-6115.	5.1	4
20	SAR multiâ€target interactive motion recognition based on convolutional neural networks. IET Image Processing, 2020, 14, 2567-2578.	2.5	4
21	Hierarchical resampling architecture for distributed particle filters. , 2012, , .		3
22	Semantic-Direct Visual Odometry. IEEE Robotics and Automation Letters, 2022, 7, 6718-6725.	5.1	3
23	A general communication performance evaluation model based on routing path decomposition. Journal of Zhejiang University: Science C, 2011, 12, 561-573.	0.7	2
24	DART: Distributed Particle Filter Algorithm with Resampling Tree for Ultimate Real-Time Capability. Journal of Signal Processing Systems, 2017, 88, 29-42.	2.1	2
25	Fewâ€shot action recognition using taskâ€adaptive parameters. Electronics Letters, 2021, 57, 848-850.	1.0	2
26	Moving target detection under complex background based on code book. , 2011, , .		1
27	Cost effective hardware based demosaicking algorithm for embedded system. , 2013, , .		1
28	New structure for multi-aspect SAR image target recognition with multi-level joint consideration. Multimedia Tools and Applications, 2016, 75, 7519-7540.	3.9	1
29	Method and VLSI implementation of lossyâ€toâ€lossless LTM ECG compression framework. Electronics Letters, 2019, 55, 70-72.	1.0	1
30	PLSAV: Parallel loop searching and verifying for loop closure detection. IET Intelligent Transport Systems, 2021, 15, 683-698.	3.0	1
31	Behavioral modeling of direct sampling mixer. , 2011, , .		0
32	An on-line reconfigurable four-ary tree-based network on chip for distributed particle filters. , 2012, , .		0
33	Weight sorting based scheme and architecture for distributed particle filters. , 2012, , .		0
34	Particle state compression scheme for centralized memory-efficient particle filters. , 2013, , .		0