XuRenhui

List of Publications by Year
in descending order

29 papers	**227** citations

1307594

7
h-index

1199594

12
g-index

29 all docs	**29** docs citations

29
times ranked

242
citing authors

#	Article	IF	Citations
1	A precoding scheme for DFT-based OFDM to suppress sidelobes. IEEE Communications Letters, 2009, 13, 776-778.	4.1	52
2	Radar mutual information and communication channel capacity of integrated radar-communication system using MIMO. ICT Express, 2015, 1, 102-105.	4.8	26
3	Fusion of radar sensing and wireless communications by embedding communication signals into the radar transmit waveform. IET Radar, Sonar and Navigation, 2018, 12, 632-640.	1.8	24
4	A Neighbor Discovery Algorithm in Network of Radar and Communication Integrated System. , 2014, , .		14
5	Joint Optimization of AoI, SINR, Completeness, and Energy in UAV-Aided SDCNs: Coalition Formation Game and Cooperative Order. IEEE Transactions on Green Communications and Networking, 2022, 6, 265-280.	5.5	13
6	On the out-of-band radiation of DFT-based OFDM using pulse shaping. , 2009, , .		9
7	Neighbor discovery in three-dimensional mobile ad hoc networks with directional antennas. , 2016, , .		9
8	LTEâ€based multistatic passive radar system for UAV detection. IET Radar, Sonar and Navigation, 2020, 14, 1088-1097.	1.8	9
9	Spectral Leakage Suppression for DFT-Based OFDM via Adjacent Subcarriers Correlative Coding. , 2008, , .		8
10	Spectrum sidelobe suppression for discrete Fourier transformation-based orthogonal frequency division multiplexing using adjacent subcarriers correlative coding. IET Communications, 2012, 6, 1374.	2.2	7
11	Pairwise subcarriers weighting for suppressing outâ€ofâ€band radiation of OFDM. International Journal of Communication Systems, 2012, 25, 16-29.	2.5	7
12	Game-Based Channel Access for AoI-Oriented Data Transmission Under Dynamic Attack. IEEE Internet of Things Journal, 2022, 9, 8820-8837.	8.7	6
13	Cognitive Neighbor Discovery With Directional Antennas in Self-Organizing IoT Networks. IEEE Internet of Things Journal, 2021, 8, 6865-6877.	8.7	6
14	Performance Improvement of OFDM System with the Spectrum-Sidelobe-Suppressed Precoding. , 2010, , .		5
15	A neighbor discovery algorithm for full duplex Ad Hoc networks with directional antennas. , 2015, , .		5
16	An all-to-all broadcast protocol for variable packet sizes using directional antennas. , 2016, , .		5
17	Report the sensing results using OFDMA in cooperative spectrum sensing. , 2010, , .		4
18	A Unitary Precoder for Optimizing Spectrum and PAPR Characteristic of OFDMA Signal. IEEE Transactions on Broadcasting, 2018, 64, 293-306.	3.2	4

#	Article	IF	Citations
19	An All-to-All-Broadcast Oriented MAC Protocol Using Directional Antennas in Ad Hoc Networks. , 2014, , .		3
20	An all-to-all broadcasting protocol using directional antennas in multi-hop wireless networks. , 2015, , .		3
21	On the Flow Classification Thresholds of FD-MAC Protocol. , 2011, , .		2
22	Reliability analysis for a data flow in event-driven wireless sensor networks using a multiple sending transmission approach. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	2
23	Matrix division multiple access for mini centralized network. , 2014, , .		2
24	Density Function of the Received Signal in OFDM-based Distributed Detection Fusion System. International Journal of Wireless Information Networks, 2015, 22, 357-368.	2.7	1
25	Precoding for joint spectral sidelobes suppression and PAPR reduction in OFDM system. , 2017, , .		1
26	Research on video coding parameters affecting object tracking. , 2015, , .		0
27	On the channel capacity of MIMO-radar-based communications. , 2015, , .		0
28	A max-group coloring-based gossiping mechanism using double-face phased array radar for wireless multi-hop networks. , 2017, , .		0
29	A novel windowing scheme to suppress spectral sidelobes for OFDMA system. , 2017, , .		0