

# Xuewen Qian

## List of Publications by Year in descending order

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14  
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#	ARTICLE	IF	CITATIONS
1	MIMO Interference Channels Assisted by Reconfigurable Intelligent Surfaces: Mutual Coupling Aware Sum-Rate Optimization Based on a Mutual Impedance Channel Model. IEEE Wireless Communications Letters, 2021, 10, 2624-2628.	5.0	32
2	Mutual Coupling and Unit Cell Aware Optimization for Reconfigurable Intelligent Surfaces. IEEE Wireless Communications Letters, 2021, 10, 1183-1187.	5.0	34
3	K-Means Clustering-Aided Non-Coherent Detection for Molecular Communications. IEEE Transactions on Communications, 2021, 69, 5456-5470.	7.8	9
4	Reconfigurable Intelligent Surfaces vs. Relaying: Differences, Similarities, and Performance Comparison. IEEE Open Journal of the Communications Society, 2020, 1, 798-807.	6.9	445
5	Molecular Communications: Model-Based and Data-Driven Receiver Design and Optimization. IEEE Access, 2019, 7, 53555-53565.	4.2	16
6	Model-Aided Wireless Artificial Intelligence: Embedding Expert Knowledge in Deep Neural Networks for Wireless System Optimization. IEEE Vehicular Technology Magazine, 2019, 14, 60-69.	3.4	120
7	Synchronisation algorithm for OFDM/OQAM systems based on zero autocorrelation code. IET Communications, 2018, 12, 283-289.	2.2	1
8	Joint Synchronization and Channel Estimation of ACO-OFDM Systems With Simplified Transceiver. IEEE Photonics Technology Letters, 2018, 30, 383-386.	2.5	12
9	Sparse PTS scheme based on TR schemes for PAPR reduction in FBMC-OQAM systems. IET Communications, 2018, 12, 1722-1727.	2.2	11
10	Receiver Design in Molecular Communications: An Approach Based on Artificial Neural Networks. , 2018, , .		16
11	Peak-to-average power ratio reduction in orthogonal frequency division multiplexing-based visible light communication systems using a modified partial transmit sequence technique. Optical Engineering, 2018, 57, 1.	1.0	2
12	Synchronisation algorithm based on zero correlation code pair for OFDM-based VLC systems. IET Communications, 2017, 11, 205-210.	2.2	16
13	Pilot-based parametric channel estimation algorithm for DCO-OFDM-based visual light communications. Optics Communications, 2017, 400, 150-155.	2.1	12
14	Channel estimation scheme based on compressed sensing and parameter estimation for an orthogonal frequency division multiplexing visible light communications system. Optical Engineering, 2016, 55, 116109.	1.0	7