Muhammad Basit Shahab

List of Publications by Year
in descending order

29 papers	802 citations	1040056 9 h-index	996975 15 g-index
29 all docs	29 docs citations	29 times ranked	737 citing authors

#	Article	IF	Citations
1	Enabling transmission status detection in grant‑free power domain non‑orthogonal multiple access for massive Internet of Things. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	3.9	3
2	NOMA Joint Channel Estimation and Signal Detection Using Rotational Invariant Codes and GMM-Based Clustering. IEEE Communications Letters, 2022, 26, 2485-2489.	4.1	5
3	Receiver Design for Uplink Power Domain NOMA With Discontinuous Transmissions. IEEE Communications Letters, 2021, 25, 2738-2742.	4.1	9
4	Role switching and power allocation technique for mobile users in non-orthogonal multiple access. Physical Communication, 2020, 43, 101179.	2.1	6
5	Index Modulation Aided Uplink NOMA for Massive Machine Type Communications. IEEE Wireless Communications Letters, 2020, 9, 2159-2162.	5.0	23
6	Virtual user pairing based non‑orthogonal multiple access in downlink coordinated multipoint transmissions. IET Communications, 2020, 14, 1910-1917.	2.2	2
7	Grant-Free Non-Orthogonal Multiple Access for IoT: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 1805-1838.	39.4	212
8	Clustering-based Joint Channel Estimation and Signal Detection for Grant-free NOMA. , 2020, , .		8
9	User Pairing and Power Allocation for Capacity Maximization in Uplink NOMA. , 2019, , .		10
10	On the performance of non-orthogonal multiple access considering backward compatibility. Physical Communication, 2019, 37, 100838.	2.1	0
11	Non-orthogonal multiple access for a full-duplex cooperative network with virtually paired users. Computer Communications, 2018, 120, 1-9.	5.1	17
12	A User Gaze Detection Based Approach to Squeeze Idle Video Traffic in Communication Networks. , 2018, , .		0
13	User pairing and power allocation for non-orthogonal multiple access: Capacity maximization under data reliability constraints. Physical Communication, 2018, 30, 132-144.	2.1	21
14	Time Shared Half/Full-Duplex Cooperative NOMA With Clustered Cell Edge Users. IEEE Communications Letters, 2018, 22, 1794-1797.	4.1	20
15	Exploiting Non-Orthogonal Multiple Access in Cooperative Relay Sharing. IEEE Communications Letters, 2017, 21, 1159-1162.	4.1	145
16	Cooperative spectrum sharing with energy harvesting best secondary user selection and non-orthogonal multiple access. , 2017, , .		26
17	On the performance of a virtual user pairing scheme to efficiently utilize the spectrum of unpaired users in NOMA. Physical Communication, 2017, 25, 492-501.	2.1	16
18	Bandwidth Adaptation by Squeezing Idle Traffic in Browsers: An Active Window Detection Based Approach for Next Generation Networks. IEEE Communications Letters, 2017, 21, 310-313.	4.1	5

#	Article	IF	Citations
19	A Time Sharing Based Approach to Accommodate Similar Gain Users in NOMA for 5G Networks. , 2017, , .		17
20	Performance comparison of DFT and DWPT based OFDM system using 64 DAPSK. , 2016, , .		0
21	Simulink implementation of non-orthogonal multiple access over AWGN and Rayleigh fading channels. , 2016, , .		5
22	Spatial multiplexing using walsh-hadamard transform. , 2016, , .		2
23	On the power allocation of non-orthogonal multiple access for 5G wireless networks. , 2016, , .		30
24	User pairing schemes for capacity maximization in non-orthogonal multiple access systems. Wireless Communications and Mobile Computing, 2016, 16, 2884-2894.	1.2	116
25	A Virtual User Pairing Scheme to Optimally Utilize the Spectrum of Unpaired Users in Non-orthogonal Multiple Access. IEEE Signal Processing Letters, 2016, 23, 1766-1770.	3.6	81
26	Efficient channel quality indicator reporting schemes in LTE with reduced signaling overhead. , 2015, , .		5
27	Downlink resource scheduling technique for maximized throughput with improved fairness and reduced BLER in LTE. , 2015, , .		7
28	Smart grid traffic modeling and scheduling using 3GPP LTE for efficient communication with reduced RAN delays. , 2013, , .		7
29	Neural networks based Physical Cell Identity assignment for self organized 3GPP Long Term Evolution. , 2012, , .		4