Atul Kumar

List of Publications by Year
in descending order

16 papers	114 citations	1684188 5 h-index	1474206 9 g-index
16 all docs	16 docs citations	16 times ranked	123 citing authors

#	Article	IF	Citations
1	Physical Layer Abstraction for Multi-Connectivity Communications: Modeling and Analysis. IEEE Transactions on Wireless Communications, 2022, 21, 1779-1793.	9.2	4
2	Physical Layer Performance Modeling of Modern Multicarrier Modulation Techniques. IEEE Transactions on Communications, 2022, 70, 3725-3741.	7.8	4
3	Upper Bound on Side Lobe Levels for mMIMO Antennas to Evaluate the Beam Steering Capability. IEEE Communications Letters, 2021, 25, 289-293.	4.1	1
4	PHY Abstraction Techniques for V2X Enabling Technologies: Modeling and Analysis. IEEE Transactions on Vehicular Technology, 2021, 70, 1501-1517.	6.3	20
5	Design of DGT-based linear and non-linear equalizers for GFDM transmission. Physical Communication, 2020, 42, 101144.	2.1	4
6	On the Modeling of Inter-Sub-Symbol Interference in GFDM Transmission. IEEE Communications Letters, 2019, 23, 1730-1734.	4.1	7
7	Symbol Error Rate Analysis of OFDM System with CFO Over TWDP Fading Channel. Wireless Personal Communications, 2019, 109, 2187-2198.	2.7	6
8	Impact of Pulse Shaping Design on OOB Emission and Error Probability of GFDM. , 2019, , .		8
9	2D Active Antenna Array Design for mMIMO to Improve Spectral and Energy Efficiency. , 2019, , .		2
10	Fault Recovery in Time-Synchronized Mission Critical ZigBee-Based Wireless Sensor Networks. International Journal of Wireless Information Networks, 2017, 24, 268-277.	2.7	11
11	Improving GFDM Symbol Error Rate Performance using â€œBetter than Nyquistâ€•Pulse Shaping Filters. IEEE Latin America Transactions, 2017, 15, 1244-1249.	1.6	11
12	Exact SER Analysis of DFrFT-Based QPSK OFDM System over Frequency Selective Rayleigh Fading Channel with CFO. Journal of Computer Networks and Communications, 2016, 2016, 1-7.	1.6	5
13	A novel technique for ZigBee coordinator failure recovery and its impact on timing synchronization. , 2016, , .		8
14	An exact SER expression for QPSK OFDM system in presence of residual CFO and STO. , 2016, , .		0
15	Improved Nyquist pulse shaping filters for generalized frequency division multiplexing. , 2016, , .		20
16	Closed form relations for ICI and BER in FRFT based OFDM system. , 2013, , .		3