Satyanarayana Katla

List of Publications by Year
in descending order

16 papers	740 citations

1040056

9 h-index

1199594

12 g-index

16 all docs	16 docs citations

16 times ranked	984 citing authors

#	Article	IF	Citations
1	Millimeter-Wave Communications: Physical Channel Models, Design Considerations, Antenna Constructions, and Link-Budget. IEEE Communications Surveys and Tutorials, 2018, 20, 870-913.	39.4	456
2	Hybrid Beamforming Design for Full-Duplex Millimeter Wave Communication. IEEE Transactions on Vehicular Technology, 2019, 68, 1394-1404.	6.3	97
3	Deep Learning Aided Fingerprint-Based Beam Alignment for mmWave Vehicular Communication. IEEE Transactions on Vehicular Technology, 2019, 68, 10858-10871.	6.3	46
4	Dual-Function Hybrid Beamforming and Transmit Diversity Aided Millimeter Wave Architecture. IEEE Transactions on Vehicular Technology, 2018, 67, 2798-2803.	6.3	28
5	Multi-User Hybrid Beamforming Relying on Learning-Aided Link-Adaptation for mmWave Systems. IEEE Access, 2019, 7, 23197-23209.	4.2	18
6	Millimeter Wave Hybrid Beamforming with DFT-MUB Aided Precoder Codebook Design. , 2017, , .		15
7	Multi-User Full Duplex Transceiver Design for mmWave Systems Using Learning-Aided Channel Prediction. IEEE Access, 2019, 7, 66068-66083.	4.2	15
8	Analogue Wireless Beamforming Exploiting the Fiber-Nonlinearity of Radio Over Fiber-Based C-<roman>RANs</roman>. IEEE Transactions on Vehicular Technology, 2019, 68, 2802-2813.	6.3	14
9	Analogue Radio Over Fiber Aided MIMO Design for the Learning Assisted Adaptive C-RAN Downlink. IEEE Access, 2019, 7, 21359-21371.	4.2	13
10	Deep Learning Assisted Detection for Index Modulation Aided mmWave Systems. IEEE Access, 2020, 8, 202738-202754.	4.2	10
11	Adaptive Transceiver Design for C-RAN in mmWave Communications. IEEE Access, 2018, 6, 16770-16782.	4.2	9
12	Soft-Decoding for Multi-Set Space-Time Shift-Keying mmWave Systems: A Deep Learning Approach. IEEE Access, 2020, 8, 49584-49595.	4.2	8
13	Hybrid beamforming design for dualâ€polarised millimetre wave MIMO systems. Electronics Letters, 2018, 54, 1257-1258.	1.0	7
14	Effects of Mutual Coupling on Lattice Reduction-Aided Millimeter Wave Hybrid Beamforming. , 2018, , .		2
15	Deep Q-Network-Aided Adaptive mmWave Multi-User NOMA Selection and Detection. , 2021, , .		2
16	MBER Transmit Precoding for the Rank-Deficient MIMO-Aided Internet of Things. , 2018, , .		0