Saad Muhammed al-Ahmadi

List of Publications by Year
in descending order

22 papers	947 citations	1307594 7 h-index	1199594 12 g-index
22 all docs	22 docs citations	22 times ranked	879 citing authors

#	Article	IF	Citations
1	A New Formula for the BER of Binary Modulations with Dual-Branch Selection over Generalized-K Composite Fading Channels. IEEE Transactions on Communications, 2011, 59, 2654-2658.	7.8	348
2	A Survey of Rate-Optimal Power Domain NOMA With Enabling Technologies of Future Wireless Networks. IEEE Communications Surveys and Tutorials, 2020, 22, 2192-2235.	39.4	234
3	On the approximation of the generalized-Îš distribution by a gamma distribution for modeling composite fading channels. IEEE Transactions on Wireless Communications, 2010, 9, 706-713.	9.2	166
4	Multi-User Visible Light Communications: State-of-the-Art and Future Directions. IEEE Access, 2018, 6, 70555-70571.	4.2	64
5	On the Approximation of the Generalized-K PDF by a Gamma PDF Using the Moment Matching Method. , 2009, , .		32
6	On the Approximation of the PDF of the Sum of Independent Generalized-K RVs by Another Generalized-K PDF with Applications to Distributed Antenna Systems. , 2010, , .		21
7	The Gamma-Gamma Signal Fading Model: A Survey [Wireless Corner]. IEEE Antennas and Propagation Magazine, 2014, 56, 245-260.	1.4	21
8	Coordinated Port Selection and Beam Steering Optimization in a Multi-Cell Distributed Antenna System using Semidefinite Relaxation. IEEE Transactions on Wireless Communications, 2012, 11, 1861-1871.	9.2	16
9	User Clustering in mmWave-NOMA Systems With User Decoding Capability Constraints for B5G Networks. IEEE Access, 2020, 8, 209949-209963.	4.2	9
10	Downlink Linear Transmission Schemes in a Single-Cell Distributed Antenna System with Port Selection. , 2011, , .		7
11	On the Capacity of Underlay Multihop Cognitive Relaying Over Generalized-K Composite Fading Channels. Wireless Personal Communications, 2017, 96, 361-370.	2.7	6
12	On the Achievable Max-Min Rates of Cooperative Power-Domain NOMA Systems. IEEE Access, 2020, 8, 173112-173122.	4.2	6
13	The ergodic and outage capacities of distributed antenna systems in generalized-K fading channels. , 2010, , .		5
14	On the Capacity of Underlay Cognitive Radio Networks Over Shadowed Multipath Fading Channels. Arabian Journal for Science and Engineering, 2017, 42, 5191-5199.	3.0	3
15	Energy-Efficient Coverage Enhancement of Indoor THz-MISO Systems: An FD-NOMA Approach. , 2021, , .		3
16	On the Beamforming Optimality Range in TIMO Channels with Common and Individual Input Power Constraints. IEEE Transactions on Communications, 2011, 59, 648-651.	7.8	2
17	On the Achievable Max-Min User Rates in Multi-Carrier Centralized NOMA-VLC Networks. Sensors, 2021, 21, 3705.	3.8	2
18	On the Use of High-Order Moment Matching to Approximate the Generalized-k Distribution by a Gamma Distribution. , 2009, , .		1

#	Article	IF	Citations
19	The asymptotic capacity of opportunistic scheduling over shadowed Nakagami fading channels. , 2012, , .		1
20	On the role of the input power constraint in the beamforming optimality range in TIMO channels. , 2009, , .		0
21	An Exact Closed-Form Expression for the BER of Binary Modulations with Dual-Branch Selection over Generalized-K Fading. , 2011, , .		0
22	GPS-Assisted Spectrum Allocation for Cognitive Radio Networks with Femtocells. , 2014, , .		0