Mustafa Ergen

List of Publications by Year
in descending order

35 papers	1,200 citations	567281 15 h-index	552781 26 g-index
39 all docs	39 docs citations	39 times ranked	808 citing authors

#	Article	IF	Citations
1	Performance Analysis of Slotted Carrier Sense IEEE 802.15.4 Medium Access Layer. IEEE Transactions on Wireless Communications, 2008, 7, 3359-3371.	9.2	333
2	Throughput Analysis and Admission Control for IEEE 802.11a. Mobile Networks and Applications, 2005, 10, 705-716.	3.3	110
3	Key Challenges, Drivers and Solutions for Mobility Management in 5G Networks: A Survey. IEEE Access, 2020, 8, 172534-172552.	4.2	95
4	Distributed cognitive coexistence of 802.15.4 with 802.11. , 2006, , .		79
5	Mobile Broadband. , 2009, , .		79
6	A Comprehensive Survey on Mobility Management in 5G Heterogeneous Networks: Architectures, Challenges and Solutions. IEEE Access, 2020, 8, 195883-195913.	4.2	68
7	WLC10-5: Performance Analysis of Slotted Carrier Sense IEEE 802.15.4 Medium Access Layer. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	54
8	Individualistic Dynamic Handover Parameter Self-Optimization Algorithm for 5G Networks Based on Automatic Weight Function. IEEE Access, 2020, 8, 214392-214412.	4.2	42
9	Handover Management of Drones in Future Mobile Networks: 6G Technologies. IEEE Access, 2021, 9, 12803-12823.	4.2	38
10	Machine Learning-Based Load Balancing Algorithms in Future Heterogeneous Networks: A Survey. IEEE Access, 2022, 10, 37689-37717.	4.2	28
11	New Weight Function for Adapting Handover Margin Level over Contiguous Carrier Aggregation Deployment Scenarios in LTE-Advanced System. Wireless Personal Communications, 2019, 108, 1179-1199.	2.7	26
12	Survey on Land Mobile Satellite System: Challenges and Future Research Trends. IEEE Access, 2019, 7, 137291-137304.	4.2	24
13	Spectrum Gap Analysis With Practical Solutions for Future Mobile Data Traffic Growth in Malaysia. IEEE Access, 2019, 7, 24910-24933.	4.2	24
14	Formulation of Distributed Coordination Function of IEEE 802.11 for Asynchronous Networks: Mixed Data Rate and Packet Size. IEEE Transactions on Vehicular Technology, 2008, 57, 436-447.	6.3	23
15	What is Artificial Intelligence? Technical Considerations and Future Perception. Anatolian Journal of Cardiology, 2019, 22, 5-7.	0.9	19
16	Mobility Robustness Optimization in Future Mobile Heterogeneous Networks: A Survey. IEEE Access, 2022, 10, 45522-45541.	4.2	17
17	Performance Analysis of Mobile Broadband Networks With 5G Trends and Beyond: Rural Areas Scope in Malaysia. IEEE Access, 2020, 8, 65211-65229.	4.2	16
18	Dependence of Cooperative Vehicle System Performance on Market Penetration. Transportation Research Record, 2007, 2000, 121-127.	1.9	14

#	Article	IF	Citations
19	Critical penetration for vehicular networks. IEEE Communications Letters, 2010, 14, 414-416.	4.1	14
20	Edge on Wheels With OMNIBUS Networking for 6G Technology. IEEE Access, 2020, 8, 215928-215942.	4.2	13
21	Performance Analysis of Mobile Broadband Networks With 5G Trends and Beyond: Urban Areas Scope in Malaysia. IEEE Access, 2021, 9, 90767-90794.	4.2	13
22	Handover management over dual connectivity in 5G technology with future ultra-dense mobile heterogeneous networks: A review. Engineering Science and Technology, an International Journal, 2022, 35, 101172.	3.2	12
23	Dimming support for visible light communication in intelligent transportation and traffic system. , 2016, , .		9
24	Evolutionary paths towards mobility management in 5G Heterogeneous Networks. , 2020, , .		9
25	Mobility-Aware Offloading Decision for Multi-Access Edge Computing in 5G Networks. Sensors, 2022, 22, 2692.	3.8	9
26	Effective capacity and outage probability assessment of multiple‐relay cognitive communication systems in Nakagami‐m and Rayleigh fading channel. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3841.	3.9	7
27	Optimum time/power fraction of energy harvesting in TSR/PSR SWIPT-based cooperative communications with effective capacity maximization approach. AEU - International Journal of Electronics and Communications, 2019, 111, 152889.	2.9	5
28	Performance Evaluation of Mobility Robustness Optimization (MRO) in 5G Network With Various Mobility Speed Scenarios. IEEE Access, 2022, 10, 60955-60971.	4.2	5
29	Time series forecasting model of future spectrum demands for mobile broadband networks in Malaysia, Turkey, and Oman. AEJ - Alexandria Engineering Journal, 2022, 61, 8051-8067.	6.4	4
30	An Improved Handover Decision Algorithm for 5G Heterogeneous Networks. , 2021, , .		3
31	Dynamic Mobility Robustness Optimization Based on Individual Weight Function for 5G Networks and Beyond. , 2021, , .		3
32	Spectrum-Aware Dynamic Frequency Reuse (SADFR) for SON-based OFDM a HetNets. , 2014, , .		2
33	Corrections to "Performance Analysis of Mobile Broadband Networks With 5G Trends and Beyond: Rural Areas Scope in Malaysia". IEEE Access, 2020, 8, 80173-80174.	4.2	1
34	Multiple Antenna Systems. , 2009, , 221-260.		1
35	Unequal Importance Image Communication over Heterogeneous Networks. IEEE Vehicular Technology Conference, 2007, , .	0.4	0