Henrik L Christiansen

List of Publications by Year
in descending order

35	2,102	1040056 9	1372567 10
papers	citations	h-index	g-index

35	35	35	2132
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cloud RAN for Mobile Networksâ€"A Technology Overview. IEEE Communications Surveys and Tutorials, 2015, 17, 405-426.	39.4	1,226
2	A Survey of the Functional Splits Proposed for 5G Mobile Crosshaul Networks. IEEE Communications Surveys and Tutorials, 2019, 21, 146-172.	39.4	264
3	Unveiling Capacity Gains in Ultradense Networks: Using mm-Wave NOMA. IEEE Vehicular Technology Magazine, 2018, 13, 75-83.	3.4	164
4	Model-Aided Deep Learning Method for Path Loss Prediction in Mobile Communication Systems at 2.6 GHz. IEEE Access, 2020, 8, 7925-7936.	4.2	111
5	Evaluating C-RAN fronthaul functional splits in terms of network level energy and cost savings. Journal of Communications and Networks, 2016, 18, 162-172.	2.6	73
6	Impact of NOMA on Network Capacity Dimensioning for 5G HetNets. IEEE Access, 2018, 6, 13587-13603.	4.2	55
7	Caching at the Mobile Edge: A Practical Implementation. IEEE Access, 2018, 6, 8630-8637.	4.2	31
8	Performance of Non-Orthogonal Multiple Access (NOMA) in mmWave wireless communications for 5G networks. , 2017, , .		23
9	A Novel Method for Improving the Capacity in 5G Mobile Networks Combining NOMA and OMA. , 2017, , .		17
10	Synchronization challenges in packet-based Cloud-RAN fronthaul for mobile networks. , 2015, , .		16
11	Fronthaul for Cloud-RAN Enabling Network Slicing in 5G Mobile Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-8.	1.2	16
12	Optimal assignment of cells in C-RAN deployments with multiple BBU pools. , 2015, , .		14
13	Drive Test Minimization Using Deep Learning with Bayesian Approximation. , 2018, , .		13
14	Optimizing Cloud-RAN deployments in real-life scenarios using Microwave Radio. , 2015, , .		12
15	Cloudification of mmwave-based and packet-based fronthaul for future heterogeneous mobile networks. IEEE Wireless Communications, 2015, 22, 76-82.	9.0	11
16	Investigation of Deep Indoor NB-IoT Propagation Attenuation. , 2019, , .		7
17	Fronthaul dimensioning in C-RAN with web traffic for coordinated multipoint joint transmission. , 2015, , .		6
18	Macro Cell Assisted Cell Discovery Method for 5G Mobile Networks. , 2016, , .		6

#	Article	IF	Citations
19	Discrete-event simulation of coordinated multi-point joint transmission in LTE-Advanced with constrained backhaul. , 2014, , .		5
20	A framework for resources allocation in virtualised C-RAN. , 2016, , .		5
21	Enhancing LTE with Cloud-RAN and Load-Controlled Parasitic Antenna Arrays. , 2016, 54, 183-191.		5
22	Comparison of Empirical and Ray-Tracing Models for Mobile Communication Systems at 2.6 GHz. , 2019, , .		5
23	A framework for joint optical-wireless resource management in multi-RAT, heterogeneous mobile networks. , 2013, , .		4
24	Towards flexbile SDN-based management for cloud-based mobile networks. , 2016, , .		3
25	System-Level Performance of C-NOMA: A Cooperative Scheme for Capacity Enhancements in 5G Mobile Networks. , 2017, , .		3
26	Understanding Sub-GHz Signal Behavior in Deep-Indoor Scenarios. IEEE Internet of Things Journal, 2021, 8, 6746-6756.	8.7	3
27	Optimising TCP for Cloud-Based Mobile Networks. , 2016, , .		2
28	Modeling and event-driven simulation of coordinated multi-point joint transmission in LTE-advanced with constrained backhaul. , 2014, , .		1
29	Real-life C-RAN deployment considerations. , 2017, , .		1
30	Experimental and simulation analysis of the W-band SC-FDMA hybrid optical-wireless transmission. , 2014, , .		0
31	Meeting fronthaul challenges of future mobile network deployments — The HARP approach. , 2014, , .		0
32	Envisioning Spectrum Management in Virtualised C-RAN. , 2017, , .		0
33	User-Centric Power Saving in Self-Organizing Mobile Networks. , 2018, , .		0
34	Energy Consumption Modelling of Next Generation Mobile Crosshaul Networks. , 2021, , .		0
35	RAN Design Guidelines for Energy Efficient 5G Mobile Xhaul Networks. , 2022, , .		0