Mike Kari Tapani Koivisto

List of Publications by Year
in descending order

28 papers	**667** citations	1478505 **6** h-index	1474206 **9** g-index
28 all docs	**28** docs citations	**28** times ranked	**693** citing authors

#	Article	IF	Citations
1	Channel Parameter Estimation and TX Positioning With Multi-Beam Fusion in 5G mmWave Networks. IEEE Transactions on Wireless Communications, 2022, 21, 3192-3207.	9.2	11
2	Radio-based Sensing and Indoor Mapping with Millimeter-Wave 5G NR Signals. , 2020, , .		21
3	Positioning-Aided 3D Beamforming for Enhanced Communications in mmWave Mobile Networks. IEEE Access, 2020, 8, 55513-55525.	4.2	16
4	Networking and Positioning Co-Design in Multi-Connectivity Industrial mmW Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 15842-15856.	6.3	8
5	Beamformed Radio Link Capacity Under Positioning Uncertainty. IEEE Transactions on Vehicular Technology, 2020, 69, 16235-16240.	6.3	4
6	Absolute Positioning with Unsupervised Multipoint Channel Charting for 5G Networks. , 2020, , .		3
7	High-Accuracy Joint Position and Orientation Estimation in Sparse 5G mmWave Channel. , 2019, , .		17
8	Positioning and Location-Aware Communications for Modern Railways with 5G New Radio. IEEE Communications Magazine, 2019, 57, 24-30.	6.1	32
9	Positioning and Tracking of High-speed Trains with Non-linear State Model for 5G and Beyond Systems. , 2019, , .		9
10	Big Data in 5G Distributed Applications. Lecture Notes in Computer Science, 2019, , 138-162.	1.3	6
11	Radio Positioning and Tracking of High-Speed Devices in 5G NR Networks: System Concept and Performance. , 2019, , .		3
12	EKF-based and Geometry-based Positioning under Location Uncertainty of Access Nodes in Indoor Environment. , 2019, , .		8
13	Dynamic Beam Selection for Beam-RSRP Based Direction Finding in mmW 5G Networks. , 2018, , .		8
14	Beam-based Device Positioning in mmWave 5G Systems under Orientation Uncertainties. , 2018, , .		7
15	Positioning and Location-Based Beamforming for High Speed Trains in 5G NR Networks. , 2018, , .		17
16	Benefits of Positioning-Aided Communication Technology in High-Frequency Industrial IoT. IEEE Communications Magazine, 2018, 56, 142-148.	6.1	36
17	User Positioning in mmW 5G Networks Using Beam-RSRP Measurements and Kalman Filtering. , 2018, , .		24
18	Localization and Tracking in mmWave Radio Networks using Beam-Based DoD Measurements. , 2018, , .		10

#	Article	IF	Citations
19	Positioning of high-speed trains using 5G new radio synchronization signals. , 2018, , .		33
20	Joint cmWave-based multiuser positioning and network synchronization in dense 5G networks. , 2018, , .		10
21	Joint Device Positioning and Clock Synchronization in 5G Ultra-Dense Networks. IEEE Transactions on Wireless Communications, 2017, 16, 2866-2881.	9.2	156
22	High-Efficiency Device Positioning and Location-Aware Communications in Dense 5G Networks. IEEE Communications Magazine, 2017, 55, 188-195.	6.1	153
23	Continuous high-accuracy radio positioning of cars in ultra-dense 5G networks. , 2017, , .		19
24	Continuous device positioning and synchronization in 5g dense networks with skewed clocks. , 2017, , .		3
25	Location Based Beamforming in 5G Ultra-Dense Networks. , 2016, , .		40
26	Graph-based map matching for indoor positioning. , 2015, , .		4
27	Motion model for positioning with graph-based indoor map. , 2014, , .		7
28	A method to enforce map constraints in a particle filter's position estimate. , 2014, , .		2