Emmeric Tanghe

List of Publications by Year
in descending order

28 papers	**365** citations	759233 **12** h-index	839539 **18** g-index
30 all docs	**30** docs citations	**30** times ranked	**455** citing authors

#	Article	IF	Citations
1	An Indoor Variance-Based Localization Technique Utilizing the UWB Estimation of Geometrical Propagation Parameters. IEEE Transactions on Antennas and Propagation, 2018, 66, 2522-2533.	5.1	34
2	ReLoc: Hybrid RSSI-and Phase-based Relative UHF-RFID Tag Localization with COTS Devices. IEEE Transactions on Instrumentation and Measurement, 2020, , 1-1.	4.7	32
3	Reducing the power consumption in LTE‑Advanced wireless access networks by a capacity based deployment tool. Radio Science, 2014, 49, 777-787.	1.6	28
4	ReLoc 2.0: UHF-RFID Relative Localization for Drone-Based Inventory Management. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	23
5	On-Body Wearable Repeater as a Data Link Relay for In-Body Wireless Implants. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1714-1717.	4.0	22
6	Performance Evaluation of 5G Millimeter-Wave Cellular Access Networks Using a Capacity-Based Network Deployment Tool. Mobile Information Systems, 2017, 2017, 1-11.	0.6	22
7	Deep Transcranial Magnetic Stimulation: Improved Coil Design and Assessment of the Induced Fields Using MIDA Model. BioMed Research International, 2018, 2018, 1-9.	1.9	19
8	Multi-Objective Optimization of Massive MIMO 5G Wireless Networks towards Power Consumption, Uplink and Downlink Exposure. Applied Sciences (Switzerland), 2019, 9, 4974.	2.5	19
9	Computational Modeling of Ultrasonic Subthalamic Nucleus Stimulation. IEEE Transactions on Biomedical Engineering, 2019, 66, 1155-1164.	4.2	15
10	Toward Fine-Grained Indoor Localization Based on Massive MIMO-OFDM System: Experiment and Analysis. IEEE Sensors Journal, 2022, 22, 5318-5328.	4.7	15
11	ANGLE: ANGular Location Estimation Algorithms. IEEE Access, 2020, 8, 14620-14629.	4.2	14
12	Optimal Low-Power Design of a Multicell Multiuser Massive MIMO System at 3.7 GHz for 5G Wireless Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-17.	1.2	13
13	Multistatic UWB Radar-Based Passive Human Tracking Using COTS Devices. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 695-699.	4.0	13
14	CRLB-based Positioning Performance of Indoor Hybrid AoA/RSS/ToF Localization. , 2019, , .		12
15	Measurement-Based Feasibility Exploration on Detecting and Localizing Multiple Humans Using MIMO Radio Channel Properties. IEEE Access, 2020, 8, 3738-3750.	4.2	11
16	Experimental Study on the Impact of Antenna Characteristics on Non-Stationary V2I Channel Parameters in Tunnels. IEEE Transactions on Vehicular Technology, 2020, 69, 12396-12407.	6.3	11
17	SECONIC: Towards multi-compartmental models for ultrasonic brain stimulation by intramembrane cavitation [*]. Journal of Neural Engineering, 2020, 17, 056010.	3.5	11
18	Vehicle Localization Using Doppler Shift and Time of Arrival Measurements in a Tunnel Environment. Sensors, 2022, 22, 847.	3.8	8

#	Article	IF	Citations
19	Device-Free Pedestrian Tracking Using Low-Cost Ultrawideband Devices. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-4.	4.7	8
20	Numerically simulated exposure of children and adults to pulsed gradient fields in MRI. Journal of Magnetic Resonance Imaging, 2016, 44, 1360-1367.	3.4	7
21	Improved Reception of In-Body Signals by Means of a Wearable Multi-Antenna System. International Journal of Antennas and Propagation, 2013, 2013, 1-9.	1.2	6
22	Comparison between Direct Electrical and Optogenetic Subthalamic Nucleus Stimulation. , 2018, , .		4
23	Office Room Channel Modeling and Object Attenuation at Sub-THz Frequencies. Electronics (Switzerland), 2021, 10, 1725.	3.1	4
24	Membrane Charge Oscillations During Ultrasonic Neuromodulation by Intramembrane Cavitation. IEEE Transactions on Biomedical Engineering, 2021, 68, 2892-2903.	4.2	4
25	Improved alpha-beta power reduction via combined electrical and ultrasonic stimulation in a parkinsonian cortex-basal ganglia-thalamus computational model. Journal of Neural Engineering, 2021, 18, 066043.	3.5	3
26	Deep Learning Enables Robust Drone-based UHF-RFID Localization in Warehouses. , 2022, , .		3
27	Evaluation of Beamsteering Performance in MultiuserMIMO Unmanned Aerial Base Stations Networks. IEEE Access, 2022, 10, 62565-62580.	4.2	2
28	Multi-cell Massive MIMO Network Optimization towards power consumption in Suburban Scenarios. , 2018, , .		0