# Emmeric Tanghe

List of Publications by Year
in descending order



| 28 | 365 | 759233 12 | 839539 18 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 30 | 30 | 30 | 455 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Toward Fine-Grained Indoor Localization Based on Massive MIMO-OFDM System: Experiment and Analysis. IEEE Sensors Journal, 2022, 22, 5318-5328. | 4.7 | 15 |
| 2 | Multistatic UWB Radar-Based Passive Human Tracking Using COTS Devices. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 695-699. | 4.0 | 13 |
| 3 | Vehicle Localization Using Doppler Shift and Time of Arrival Measurements in a Tunnel Environment. Sensors, 2022, 22, 847. | 3.8 | 8 |
| 4 | Device-Free Pedestrian Tracking Using Low-Cost Ultrawideband Devices. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-4. | 4.7 | 8 |
| 5 | Evaluation of Beamsteering Performance in MultiuserMIMO Unmanned Aerial Base Stations Networks. IEEE Access, 2022, 10, 62565-62580. | 4.2 | 2 |
| 6 | Deep Learning Enables Robust Drone-based UHF-RFID Localization in Warehouses. , 2022, , . | | 3 |
| 7 | 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 |
| 8 | Office Room Channel Modeling and Object Attenuation at Sub-THz Frequencies. Electronics (Switzerland), 2021, 10, 1725. | 3.1 | 4 |
| 9 | Membrane Charge Oscillations During Ultrasonic Neuromodulation by Intramembrane Cavitation. IEEE Transactions on Biomedical Engineering, 2021, 68, 2892-2903. | 4.2 | 4 |
| 10 | 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 |
| 11 | Measurement-Based Feasibility Exploration on Detecting and Localizing Multiple Humans Using MIMO Radio Channel Properties. IEEE Access, 2020, 8, 3738-3750. | 4.2 | 11 |
| 12 | 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 |
| 13 | 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 |
| 14 | ANGLE: ANGular Location Estimation Algorithms. IEEE Access, 2020, 8, 14620-14629. | 4.2 | 14 |
| 15 | SECONIC: Towards multi-compartmental models for ultrasonic brain stimulation by intramembrane cavitation <sup>*</sup>. Journal of Neural Engineering, 2020, 17, 056010. | 3.5 | 11 |
| 16 | CRLB-based Positioning Performance of Indoor Hybrid AoA/RSS/ToF Localization. , 2019, , . | | 12 |
| 17 | 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 |
| 18 | Computational Modeling of Ultrasonic Subthalamic Nucleus Stimulation. IEEE Transactions on Biomedical Engineering, 2019, 66, 1155-1164. | 4.2 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Multi-cell Massive MIMO Network Optimization towards power consumption in Suburban Scenarios. , 2018, , . | | 0 |
| 20 | 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 |
| 21 | Comparison between Direct Electrical and Optogenetic Subthalamic Nucleus Stimulation. , 2018, , . | | 4 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Reducing the power consumption in LTEâ€Advanced wireless access networks by a capacity based deployment tool. Radio Science, 2014, 49, 777-787. | 1.6 | 28 |
| 27 | 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 |
| 28 | 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 |