Stijn Wielandt

List of Publications by Year in descending order

23 papers	213 citations	1478505 6 h-index	1474206 9 g-index
26 all docs	26 docs citations	26 times ranked	211 citing authors

#	Article	IF	Citations
1	A distributed temperature profiling system for vertically and laterally dense acquisition of soil and snow temperature. Cryosphere, 2022, 16, 719-736.	3.9	13
2	Low-Power, Flexible Sensor Arrays with Solderless Board-to-Board Connectors for Monitoring Soil Deformation and Temperature. Sensors, 2022, 22, 2814.	3.8	4
3	Analysis of Ultralow Power Radio Frequency Beamforming Using Transmission-Line Transformers and Tunable Passives. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2473-2488.	4.6	2
4	Minimizing Power Consumption in Networks of Environmental Sensor Arrays using TDD LoRa and Delta Encoding. , 2021, , .		6
5	High precision hybrid RF and ultrasonic chirp-based ranging for low-power IoT nodes. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	9
6	A Local LoRa Based Network Protocol with Low Power Redundant Base Stations Enabling Remote Environmental Monitoring. , 2020, , .		9
7	Improving AoA Localization Accuracy in Wireless Acoustic Sensor Networks with Angular Probability Density Functions. Sensors, 2019, 19, 900.	3.8	9
8	A Deployable LPWAN Platform for Low-Cost and Energy-Constrained IoT Applications. Sensors, 2019, 19, 585.	3.8	21
9	Ultralow-Power Radio Frequency Beamformer Using Transmission-Line Transformers and Tunable Passives. IEEE Microwave and Wireless Components Letters, 2019, 29, 158-160.	3.2	3
10	Experimental Evaluation of a Single Anchor Multipath Assisted Indoor Angle of Arrival Localization System in the 2.4 GHz and 5 GHz Band. , 2018, , .		5
11	Fingerprinting Method for Acoustic Localization Using Low-Profile Microphone Arrays. , 2018, , .		1
12	A Comparative Study of On-Body Radio-Frequency Links in the 420 MHzâ€“2.4 GHz Range. Sensors, 2018, 18, 4165.	3.8	23
13	2.4 GHz single anchor node indoor localization system with angle of arrival fingerprinting. , 2017, , .		8
14	Indoor Multipath Assisted Angle of Arrival Localization. Sensors, 2017, 17, 2522.	3.8	63
15	Multipath-assisted angle of arrival indoor positioning system in the 2.4 GHz and 5 GHz band. , 2016, , .		5
16	Inductive charging of an EDLC powered wristband device for medical measurements. , 2015, , .		4
17	Performance simulations of a 2.4 GHz indoor angle of arrival system for multipath components. , 2015, , .		2
18	Resolving positions of coherent sources using linear antenna arrays at 2.4 GHz. , 2014, , .		0

#	Article	IF	Citations
19	Evaluation of angle of arrival estimation for localization in multiple indoor environments. , 2014, , .		4
20	Study of wireless power systems with two-dimensionally moving receivers. , 2014, , .		2
21	Design of an inductively coupled wireless power system for moving receivers. , 2014, , .		3
22	Influence of magnetic design choices on the quality factor of off-the-shelf wireless power transmitter and receiver coils. , 2013, , .		4
23	Evaluation of shielding materials for low frequency RFID systems. , 2012, , .		8