

Stijn Wielandt

List of Publications by Year in descending order

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Version: 2024-02-01

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	Indoor Multipath Assisted Angle of Arrival Localization. <i>Sensors</i> , 2017, 17, 2522.	3.8	63
2	A Comparative Study of On-Body Radio-Frequency Links in the 420 MHz–2.4 GHz Range. <i>Sensors</i> , 2018, 18, 4165.	3.8	23
3	A Deployable LPWAN Platform for Low-Cost and Energy-Constrained IoT Applications. <i>Sensors</i> , 2019, 19, 585.	3.8	21
4	A distributed temperature profiling system for vertically and laterally dense acquisition of soil and snow temperature. <i>Cryosphere</i> , 2022, 16, 719-736.	3.9	13
5	Improving AoA Localization Accuracy in Wireless Acoustic Sensor Networks with Angular Probability Density Functions. <i>Sensors</i> , 2019, 19, 900.	3.8	9
6	High precision hybrid RF and ultrasonic chirp-based ranging for low-power IoT nodes. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2020, 2020, .	2.4	9
7	A Local LoRa Based Network Protocol with Low Power Redundant Base Stations Enabling Remote Environmental Monitoring. , 2020, , .		9
8	Evaluation of shielding materials for low frequency RFID systems. , 2012, , .		8
9	2.4 GHz single anchor node indoor localization system with angle of arrival fingerprinting. , 2017, , .		8
10	Minimizing Power Consumption in Networks of Environmental Sensor Arrays using TDD LoRa and Delta Encoding. , 2021, , .		6
11	Multipath-assisted angle of arrival indoor positioning system in the 2.4 GHz and 5 GHz band. , 2016, , .		5
12	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
13	Influence of magnetic design choices on the quality factor of off-the-shelf wireless power transmitter and receiver coils. , 2013, , .		4
14	Evaluation of angle of arrival estimation for localization in multiple indoor environments. , 2014, , .		4
15	Inductive charging of an EDLC powered wristband device for medical measurements. , 2015, , .		4
16	Low-Power, Flexible Sensor Arrays with Solderless Board-to-Board Connectors for Monitoring Soil Deformation and Temperature. <i>Sensors</i> , 2022, 22, 2814.	3.8	4
17	Design of an inductively coupled wireless power system for moving receivers. , 2014, , .		3
18	Ultralow-Power Radio Frequency Beamformer Using Transmission-Line Transformers and Tunable Passives. <i>IEEE Microwave and Wireless Components Letters</i> , 2019, 29, 158-160.	3.2	3

#	ARTICLE	IF	CITATIONS
19	Study of wireless power systems with two-dimensionally moving receivers. , 2014, , .		2
20	Performance simulations of a 2.4 GHz indoor angle of arrival system for multipath components. , 2015, , .		2
21	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
22	Fingerprinting Method for Acoustic Localization Using Low-Profile Microphone Arrays. , 2018, , .		1
23	Resolving positions of coherent sources using linear antenna arrays at 2.4 GHz. , 2014, , .		0