

Patrick Van Torre

List of Publications by Year in descending order

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papers

600
citations

623734

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32
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32
times ranked

577
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless Communication for Firefighters Using Dual-Polarized Textile Antennas Integrated in Their Garment. <i>IEEE Transactions on Antennas and Propagation</i> , 2010, 58, 1357-1368.	5.1	83
2	Wearable Flexible Lightweight Modular RFID Tag With Integrated Energy Harvester. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016, 64, 2304-2314.	4.6	54
3	Design, construction and experimental performance of a nonlinear energy sink in mitigating multi-modal vibrations. <i>Journal of Sound and Vibration</i> , 2020, 473, 115243.	3.9	51
4	Indoor Off-Body Wireless MIMO Communication With Dual Polarized Textile Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2011, 59, 631-642.	5.1	39
5	Characterization of Measured Indoor Off-Body MIMO Channels with Correlated Fading, Correlated Shadowing and Constant Path Loss. <i>IEEE Transactions on Wireless Communications</i> , 2012, 11, 712-721.	9.2	35
6	LoRa Mobile-To-Base-Station Channel Characterization in the Antarctic. <i>Sensors</i> , 2017, 17, 1903.	3.8	33
7	Performance and tuning of a chaotic bi-stable NES to mitigate transient vibrations. <i>Nonlinear Dynamics</i> , 2019, 98, 1831-1851.	5.2	27
8	On-Body Wearable Repeater as a Data Link Relay for In-Body Wireless Implants. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012, 11, 1714-1717.	4.0	22
9	Compact Personal Distributed Wearable Exposimeter. <i>IEEE Sensors Journal</i> , 2015, 15, 4393-4401.	4.7	22
10	Synchronous Wearable Wireless Body Sensor Network Composed of Autonomous Textile Nodes. <i>Sensors</i> , 2014, 14, 18583-18610.	3.8	20
11	A Compact Low-Power LoRa IoT Sensor Node with Extended Dynamic Range for Channel Measurements. <i>Sensors</i> , 2018, 18, 2137.	3.8	20
12	Breathable Textile Rectangular Ring Microstrip Patch Antenna at 2.45 GHz for Wearable Applications. <i>Sensors</i> , 2021, 21, 1635.	3.8	20
13	Capacity of Broadband Body-to-Body Channels Between Firefighters Wearing Textile SIW Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2016, 64, 1918-1931.	5.1	17
14	A Multi-Band Body-Worn Distributed Radio-Frequency Exposure Meter: Design, On-Body Calibration and Study of Body Morphology. <i>Sensors</i> , 2018, 18, 272.	3.8	17
15	Flexible dual-diversity wearable wireless node integrated on a dual-polarised textile patch antenna. <i>IET Science, Measurement and Technology</i> , 2014, 8, 452-458.	1.6	14
16	Active textile antennas in professional garments for sensing, localisation and communication. <i>International Journal of Microwave and Wireless Technologies</i> , 2014, 6, 331-341.	1.9	13
17	Variable Link Performance Due to Weather Effects in a Long-Range, Low-Power LoRa Sensor Network. <i>Sensors</i> , 2021, 21, 3128.	3.8	12
18	Design of a Wearable, Low-Cost, Through-Wall Doppler Radar System. <i>International Journal of Antennas and Propagation</i> , 2012, 2012, 1-9.	1.2	11

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19	LoRa Indoor Performance: an Office Environment Case Study. , 2018, , .		11
20	A Personal, Distributed Exposimeter: Procedure for Design, Calibration, Validation, and Application. Sensors, 2016, 16, 180.	3.8	10
21	LoRa Base-Station-to-Body Communication With SIMO Front-to-Back Diversity. IEEE Transactions on Antennas and Propagation, 2021, 69, 397-405.	5.1	10
22	Exposure to radiofrequency electromagnetic fields: Comparison of exposimeters with a novel body-worn distributed meter. Environment International, 2021, 156, 106711.	10.0	9
23	A Multi-Band Body-Worn Distributed Exposure Meter for Personal Radio-Frequency Dosimetry in Diffuse Indoor Environments. IEEE Sensors Journal, 2019, 19, 6927-6937.	4.7	8
24	Bluetooth-Low-Energy-Based Fall Detection and Warning System for Elderly People in Nursing Homes. Journal of Sensors, 2022, 2022, 1-14.	1.1	8
25	A Bluetooth-Low-Energy-Based Detection and Warning System for Vulnerable Road Users in the Blind Spot of Vehicles. Sensors, 2020, 20, 2727.	3.8	7
26	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
27	Experimental Parameter Optimization for Adaptive LoRa Modulation in Body-Centric Applications. , 2020, , .		6
28	Characterizing the Impact of Doppler Effects on Body-Centric LoRa Links with SDR. Sensors, 2021, 21, 4049.	3.8	5
29	LoRa Signal Synchronization and Detection at Extremely Low Signal-to-Noise Ratios. IEEE Internet of Things Journal, 2022, 9, 8869-8882.	8.7	4
30	High-voltage synthetic inductor for vibration damping in resonant piezoelectric shunt. JVC/Journal of Vibration and Control, 2021, 27, 2047-2057.	2.6	3
31	Conformal Integration of Efficient Conductive-Ink-Printed Antennas in Smart Suitcases for LPWAN-Based Luggage Tracking. Sensors, 2022, 22, 4077.	3.8	3
32	Wearable Bluetooth Low Energy Based Miniaturized Detection Node for Blind Spot Detection and Warning System on Vehicles. , 2021, , .		0