BenoÃ®t Denis

List of Publications by Year
in descending order

53 papers	1,010 citations	1040056 9 h-index	1199594 12 g-index
53 all docs	53 docs citations	53 times ranked	757 citing authors

#	Article	IF	Citations
1	Beamwidth Optimization and Resource Partitioning Scheme for Localization Assisted mm-Wave Communication. IEEE Transactions on Communications, 2021, 69, 1358-1374.	7.8	12
2	Impact of LTE-V2X Connectivity on Global Occupancy Maps in a Cooperative Collision Avoidance (CoCA) System. , 2021, , .		5
3	Wireless Environment as a Service Enabled by Reconfigurable Intelligent Surfaces: The RISE-6G Perspective. , 2021, , .		73
4	RIS-Enabled Localization Continuity Under Near-Field Conditions. , 2021, , .		30
5	Reconfigurable, Intelligent, and Sustainable Wireless Environments for 6G Smart Connectivity. IEEE Communications Magazine, 2021, 59, 99-105.	6.1	113
6	Radio Localization and Mapping With Reconfigurable Intelligent Surfaces: Challenges, Opportunities, and Research Directions. IEEE Vehicular Technology Magazine, 2020, 15, 52-61.	3.4	153
7	Bayesian fusion of GNSS, ITS-G5 and IR–UWB data for robust cooperative vehicular localization. Comptes Rendus Physique, 2019, 20, 218-227.	0.9	9
8	Localization and communication resource budgeting for multi-user mm-Wave MIMO. , 2019, , .		2
9	System-level Simulation of Cooperative Sensor Data Fusion Strategies for Improved Vulnerable Road Users Safety. , 2019, , .		6
10	Implicit Cooperative Positioning in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3964-3980.	8.0	91
11	Throughput Characterization and Beamwidth Selection for Positioning-Assisted mmWave Service. , 2018, , .		2
12	Localization Optimal Multi-user Beamforming with multi-carrier mmWave MIMO. , 2018, , .		8
13	Cooperative Localization in VANETs: An Experimental Proof-of-Concept Combining GPS, IR-UWB Ranging and V2V Communications. , 2018, , .		10
14	Positioning Data-Rate Trade-Off in mm-Wave Small Cells and Service Differentiation for 5G Networks. , 2018, , .		12
15	Protecting personal data in IoT platform scenarios through encryption-based selective disclosure. Computer Communications, 2018, 130, 20-37.	5.1	10
16	Robust data fusion for cooperative vehicular localization in tunnels. , 2017, , .		19
17	Enhanced vehicle positioning in cooperative ITS by joint sensing of passive features. , 2017, , .		6
18	Mobile target localization through low complexity compressed sensing with iterative alternate coordinates projections. , 2017, , .		1

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19	Localization bound based beamforming optimization for multicarrier mmWave MIMO. , 2017, , .		12
20	Multi-band small-scale fading mitigation at UWB localization receivers in dense multipath channels. , 2017, , .		0
21	Realistic Simulation for Body Area and Body-To-Body Networks. Sensors, 2016, 16, 561.	3.8	19
22	Breaking the Gridlock of Spatial Correlations in GPS-Aided IEEE 802.11p-Based Cooperative Positioning. IEEE Transactions on Vehicular Technology, 2016, 65, 9554-9569.	6.3	18
23	On communication aspects of particle-based cooperative positioning in GPS-aided VANETs. , 2016, , .		11
24	Sensing Based Semi-deterministic Inter-Cell Interference Map in Heterogeneous Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 179-191.	0.3	0
25	Downlink interference analytical predictions under shadowing within irregular multi-cell deployments. , 2015, , .		4
26	Cooperative Group Key Generation Using IR-UWB Multipath Channels. , 2015, , .		2
27	Accuracy of Location-Dependent Inter-Cell Interference Stochastic Model with Ranging Errors. , 2015, , .		0
28	On-body TOA-based ranging error model for motion capture applications within wearable UWB networks. Journal of Ambient Intelligence and Humanized Computing, 2015, 6, 603-612.	4.9	14
29	Short-term link quality estimation for Opportunistic and Mobility Aware Routing in wearable body sensors networks. , 2014, , .		11
30	Decentralized Positioning Algorithm for Relative Nodes Localization in Wireless Body Area Networks. Mobile Networks and Applications, 2014, 19, 698-706.	3.3	3
31	Reciprocity-diversity trade-off in quantization for secret key generation. , 2014, , .		1
32	Wearable Body-to-Body networks for critical and rescue operations — The CROW<sup>2</sup> project. , 2014, , .		4
33	On-body localization experiments using real IR-UWB devices. , 2014, , .		5
34	Public discussion strategies for secret key generation from sampled IR-UWB channel responses. , 2014, , .		1
35	Random patterns of secret keys from sampled IR-UWB channel responses. , 2014, , .		2
36	Improved Navigation Capabilities in Groups of Cooperative Wireless Body Area Networks. , 2014, , .		3

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37	Joint motion capture and navigation in heterogeneous Body Area Networks with distance estimation over neighborhood graph. , 2013, , .		6
38	Pedestrian Tracking Solution Combining an Impulse Radio Handset Transmitter with an Ankle-Mounted Inertial Measurement Unit. International Journal of Navigation and Observation, 2012, 2012, 1-15.	0.8	3
39	Location-dependent information extraction for positioning. , 2012, , .		5
40	Nodes Updates Censoring and Scheduling in Constrained Decentralized Positioning for Large-Scale Motion Capture based on Wireless Body Area Networks. , 2012, , .		3
41	Empirical Modeling of Intra-BAN Ranging Errors Based on IR-UWB TOA Estimation. , 2012, , .		3
42	Topology Dynamics and Network Architecture Performance in Wireless Body Sensor Networks. , 2011, , .		19
43	Localization performance in Wireless Body Sensor Networks with beacon enabled MAC and space-time dependent channel model. , 2010, , .		15
44	A 1.1nJ/b 802.15.4a-compliant fully integrated UWB transceiver in 0.13µm CMOS. , 2009, , .		29
45	Direct path DoA and DoD finding through IR-UWB communications. , 2008, , .		2
46	A Flexible Distributed Maximum Log-Likelihood Scheme for UWB Indoor Positioning. , 2007, , .		12
47	Overhead and Sensitivity to UWB Ranging Models within a Distributed Bayesian Positioning Solution. , 2007, , .		4
48	A LDR IR-UWB Demonstration Platform for Services based on Location and Tracking. , 2007, , .		5
49	MAC layer design for UWB LDR systems: PULSERS proposal. , 2007, , .		24
50	Localization and Tracking for LDR-UWB Systems. , 2007, , .		8
51	ML Time-of-Arrival estimation based on low complexity UWB energy detection. , 2006, , .		48
52	Joint distributed synchronization and positioning in UWB ad hoc networks using TOA. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 1896-1911.	4.6	132
53	GML ToA Estimation Based on Low Complexity UWB Energy Detection. , 2006, , .		20