

# Bart Braem

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1210522/publications.pdf>

Version: 2024-02-01

41  
papers

2,576  
citations

1040056

9  
h-index

1474206

9  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2322  
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey on wireless body area networks. <i>Wireless Networks</i> , 2011, 17, 1-18.	3.0	878
2	A Comprehensive Survey of Wireless Body Area Networks. <i>Journal of Medical Systems</i> , 2012, 36, 1065-1094.	3.6	648
3	Characterization of On-Body Communication Channel and Energy Efficient Topology Design for Wireless Body Area Networks. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2009, 13, 933-945.	3.2	259
4	A Low-delay Protocol for Multihop Wireless Body Area Networks. , 2007, , .		136
5	A case for research with and on community networks. <i>Computer Communication Review</i> , 2013, 43, 68-73.	1.8	89
6	City of things: An integrated and multi-technology testbed for IoT smart city experiments. , 2016, , .		78
7	City of Things: Enabling Resource Provisioning in Smart Cities. <i>IEEE Communications Magazine</i> , 2018, 56, 177-183.	6.1	71
8	The Need for Cooperation and Relaying in Short-Range High Path Loss Sensor Networks. , 2007, , .		59
9	Improving Reliability in Multi-hop Body Sensor Networks. , 2008, , .		47
10	The Wireless Autonomous Spanning tree Protocol for Multihop Wireless Body Area Networks. , 2006, , .		43
11	The Wireless Autonomous Spanning tree Protocol for Multihop Wireless Body Area Networks. , 2006, , .		42
12	Path loss models for wireless communication channel along arm and torso: measurements and simulations. , 2007, , .		28
13	Advances in wireless community networks with the community-lab testbed. <i>IEEE Communications Magazine</i> , 2016, 54, 20-27.	6.1	20
14	Continuous Athlete Monitoring in Challenging Cycling Environments Using IoT Technologies. <i>IEEE Internet of Things Journal</i> , 2019, 6, 10875-10887.	8.7	19
15	A questionnaire based examination of community networks. , 2013, , .		18
16	Alternative Networks: Toward Global Access to the Internet for All. , 2017, 55, 187-193.		17
17	Tracking and predicting link quality in wireless community networks. , 2014, , .		15
18	Fault-tolerant application placement in heterogeneous cloud environments. , 2015, , .		12

#	ARTICLE	IF	CITATIONS
19	Time series analysis to predict link quality of wireless community networks. Computer Networks, 2015, 93, 342-358.	5.1	11
20	Designing a smart city playground: Real-time air quality measurements and visualization in the City of Things testbed. , 2016, , .		11
21	Supporting mobility in Wireless Body Area Networks: An analysis. , 2011, , .		9
22	Towards Information-Centric Edge Platform for Mesh Networks: The Case of CityLab Testbed. , 2020, , .		6
23	Supporting Mobility in Body Sensor Networks. , 2010, , .		5
24	Applying Faster R-CNN in Extremely Low-Resolution Thermal Images for People Detection. , 2020, , .		5
25	An analysis of requirements to supporting mobility in Body Area Networks. , 2012, , .		4
26	A virtual reality-based multiplayer game using fine-grained localization. , 2015, , .		4
27	Overhead analysis of embedded wireless testbeds. , 2012, , .		3
28	Analysis of End-User QoE in Community Networks. , 2015, , .		3
29	Tracking and Predicting End-to-End Quality in Wireless Community Networks. , 2015, , .		3
30	Environmental Sensing Testbeds for Livable Smart Cities. , 2019, , .		3
31	Demo Abstract: Crowd analysis with infrared sensor arrays on the smart city edge. , 2019, , .		3
32	Node mobility support in body sensor networks. , 2010, , .		2
33	On the Effects of Interference between Heterogeneous Sensor Network MAC Protocols. , 2011, , .		1
34	Mapping a community network. , 2014, , .		1
35	Experiences from building an outdoor testbed for community wireless networks. , 2015, , .		1
36	SENSORCOMM 2008 Preface. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
37	Testing a community network testbed control system. , 2015, , .		0
38	Federation Tools: An Island Connectivity Experiment with Community-Lab. , 2015, , .		0
39	Comparing Community Networks to the Internet: An Empirical Study of BGP Behaviour. , 2015, , .		0
40	A Network-Driven Multi-Access-Point Load-Balancing Algorithm for Large-Scale Public Hotspots. Lecture Notes in Computer Science, 2015, , 30-42.	1.3	0
41	TinySPOTComm: Facilitating Communication over IEEE 802.15.4 between Sun SPOTs and TinyOS-Based Motes. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 177-194.	0.3	0