Ignas Niemegeers

List of Publications by Year
in descending order

		1040056	1058476
30 papers	1,561 citations	9 h-index	14 g-index
31 all docs	31 docs citations	31 times ranked	1734 citing authors

#	ARTICLE	IF	CITATIONS
1	A survey of indoor positioning systems for wireless personal networks. IEEE Communications Surveys and Tutorials, 2009, 11, 13-32.	39.4	1,219
2	A Survey on Handoffs â€" Lessons for 60 GHz Based Wireless Systems. IEEE Communications Surveys and Tutorials, 2012, 14, 64-86.	39.4	67
3	Radio-over-Fiber based architecture for seamless wireless indoor communication in the 60GHz band. Computer Communications, 2007, 30, 3598-3613.	5.1	54
4	Robust 60 GHz Indoor Connectivity: Is It Possible with Reflections?. , 2010, , .		42
5	Toward a Seamless Communication Architecture for In-building Networks at the 60 GHz band. , 2006, , .		24
6	Address autoconfiguration in wireless ad hoc networks: protocols and techniques. IEEE Wireless Communications, 2008, 15, 70-80.	9.0	24
7	Home networking at 60ÂGHz: challenges and research issues. Annales Des Telecommunications/Annals of Telecommunications, 2008, 63, 501-509.	2.5	22
8	Predicting mobility events on personal devices. Pervasive and Mobile Computing, 2010, 6, 401-423.	3.3	13
9	An Investigation of Link Quality Assessment for Mobile Multi-hop and Multi-rate Wireless Networks. Wireless Personal Communications, 2012, 65, 405-423.	2.7	11
10	SPCp1-01: Voice Activity Detection for VoIP-An Information Theoretic Approach. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	9
11	An experimental investigation of optimized flooding protocols using a wireless sensor network testbed. Computer Networks, 2011, 55, 2899-2913.	5.1	9
12	An Extensible Network Resource Abstraction for Applications on Mobile Devices. , 2007, , .		7
13	60 GHz MAC standardization: Progress and way forward. , 2015, , .		7
14	Impact of antenna directionality and energy harvesting rate on neighbor discovery in EH-IoTs. , 2013, , .		6
15	A Self-organized Personal Network Architecture. , 2007, , .		5
16	Cross Layer Design for Enhanced Quality Routing in Personal Wireless Networking. , 2007, , .		5
17	Mobility Modeling for Personal Networks. Wireless Personal Communications, 2011, 58, 169-196.	2.7	5
18	Clustering in Ad Hoc Personal Network Formation. Lecture Notes in Computer Science, 2007, , 312-319.	1.3	5

#	Article	IF	Citations
19	Network Resource Awareness and Control in Mobile Applications. IEEE Internet Computing, 2007, 11, 34-43.	3.3	4
20	Density estimation for out-of-range events on personal mobile devices. , 2008, , .		4
21	Link quality-based transmission power adaptation for energy saving in IEEE 802.11. , 2009, , .		4
22	Simulation-based analysis of a multi-hop integrated UMTS and WLAN network. Telecommunication Systems, 2013, 52, 327-340.	2.5	4
23	Adaptable Link Quality Estimation for Multi Data Rate Communication Networks. , 2009, , .		3
24	A Framework for the Self-organization of Personal Networks. , 2007, , .		2
25	Performance Study of a Novel Architecture for Indoor Networks at 60 GHz Using Extended Cells. , 2007, , .		2
26	Performance evaluation of power-aware routing algorithms in Personal Networks. , 2009, , .		2
27	A Mobility Model for Personal Networks (PN). International Federation for Information Processing, 2008, , 13-24.	0.4	2
28	A Framework for Gateway and Access Network Selection in Ad-Hoc Distributed Personal Networks. , 2009, , .		0
29	Battery-aware Routing in Personal Networks. Wireless Personal Communications, 2013, 71, 651-678.	2.7	0
30	Successive interference cancellation in the uplink of Radio-over-Fiber systems. , 2013, , .		0