Geert J Heijenk

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3310895/publications.pdf

Version: 2024-02-01

65	2,110	840776	580821
papers	citations	11 h-index	25 g-index

70	70	70	2188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stochastic String Stability of Vehicle Platoons via Cooperative Adaptive Cruise Control With Lossy Communication. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10912-10922.	8.0	9
2	Design & analysis of a distributed routing algorithm towards Internet-wide geocast. Computer Communications, 2019, 146, 201-218.	5.1	4
3	Machine Learning for Cooperative Driving in a Multi-Lane Highway Environment. , 2019, , .		9
4	Achieving Robust Average Consensus Over Lossy Wireless Networks. IEEE Transactions on Control of Network Systems, 2019, 6, 127-137.	3.7	10
5	Spaceprint: a Mobility-based Fingerprinting Scheme for Spaces. , 2018, , .		1
6	Implementation and Evaluation of Distributed Geographical Routing. Lecture Notes in Computer Science, 2018, , 121-133.	1.3	0
7	Using a linear gain to accelerate average consensus over unreliable networks. , 2017, , .		2
8	Inferring the Social-Connectedness of Locations from Mobility Data. Lecture Notes in Computer Science, 2017, , 443-457.	1.3	0
9	Towards reliable multi-hop broadcast in VANETs: An analytical approach. , 2016, , .		1
10	A multi-channel multiple access scheme using frequency offsets â€" Modelling and analysis. , 2016, , .		0
11	Achieving robust average consensus over wireless networks. , 2016, , .		3
12	Analysis of multi-hop broadcast in vehicular ad hoc networks: A reliability perspective. , 2016, , .		6
13	Improving Spatial Indexing and Searching for Location-Based DNS Queries. Lecture Notes in Computer Science, 2016, , 187-198.	1.3	3
14	Traffic-adaptive duty cycle adaptation in TR-MAC protocol for wireless sensor networks. , 2016, , .		6
15	Analysis of a receiver-based reliable broadcast approach for vehicular networks. Ad Hoc Networks, 2016, 37, 63-75.	5.5	14
16	Lossless Multicast Handovers in Proxy Fast Mobile IPv6 Networks. Lecture Notes in Computer Science, 2015, , 341-354.	1.3	0
17	TR-MAC. , 2014, , .		10
18	Performance of LTE for Smart Grid Communications. Lecture Notes in Computer Science, 2014, , 225-239.	1.3	19

#	Article	IF	Citations
19	Performance evaluation of a SDN/OpenFlow-based Distributed Mobility Management (DMM) approach in virtualized LTE systems. , 2014, , .		24
20	Performance Comparison of IEEE 802.11 DCF and EDCA for Beaconing in Vehicular Networks. Lecture Notes in Computer Science, 2014, , 154-169.	1.3	2
21	Analysis of a receiver-based reliable broadcast approach for vehicular networks. , 2014, , .		4
22	Graph-Based Metrics for Insider Attack Detection in VANET Multihop Data Dissemination Protocols. IEEE Transactions on Vehicular Technology, 2013, 62, 1505-1518.	6.3	42
23	Analytically modelling the performance of piggybacking on beacons in VANETs. , 2012, , .		4
24	Welcome [Message from the General Chairs &Message from the Technical Program Committee Chairs]. , 2012, , .		0
25	An analytical model for beaconing in VANETs. , 2012, , .		18
26	Improving information dissemination in sparse vehicular networks by adding satellite communication. , 2012, , .		14
27	Evaluation of CACC string stability using SUMO, Simulink, and OMNeT++. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	35
28	Analyzing dissemination redundancy to achieve data consistency in VANETs. , 2012, , .		1
29	Analysis Methodology for Flow-Level Evaluation of a Hybrid Mobile-Sensor Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 347-355.	0.3	0
30	Oldest packet drop (OPD): A buffering mechanism for beaconing in IEEE 802.11p VANETs (poster). , 2011, , .		9
31	Extending the Domain Name System (DNS) to provide geographical addressing towards vehicular ad-hoc networks (VANETs). , 2011, , .		5
32	Connect & Drive: design and evaluation of cooperative adaptive cruise control for congestion reduction. Journal of Modern Transportation, 2011, 19, 207-213.	2.5	102
33	Dissemination protocols to support cooperative adaptive cruise control (CACC) merging. , 2011, , .		10
34	Modeling in-network aggregation in VANETs. , 2011, 49, 142-148.		34
35	A directional data dissemination protocol for vehicular environments. Computer Communications, 2011, 34, 2057-2071.	5.1	112
36	Vehicular Networking: A Survey and Tutorial on Requirements, Architectures, Challenges, Standards and Solutions. IEEE Communications Surveys and Tutorials, 2011, 13, 584-616.	39.4	1,229

#	Article	IF	Citations
37	Uplink packet scheduling in cellular networks withÂrelayingâ€”comparative study. Telecommunication Systems, 2011, 48, 237-246.	2.5	4
38	Contention window analysis for beaconing in VANETs. , 2011, , .		61
39	An Adaptive Resource Control Mechanism in Multi-hop Ad-Hoc Networks. Lecture Notes in Computer Science, 2011, , 309-322.	1.3	0
40	A Simple and Robust Dissemination protocol for VANETs. , 2010, , .		21
41	Using V2V communication to create Over-the-horizon Awareness in multiple-lane highway scenarios. , 2010, , .		11
42	Constrained geocast to support Cooperative Adaptive Cruise Control (CACC) merging. , 2010, , .		29
43	On the potential of generic modeling for VANET data aggregation protocols. , 2010, , .		16
44	Extending DNS to support geocasting towards VANETs: A proposal. , 2010, , .		5
45	Setting the Parameters Right for Two-Hop IEEE 802.11e Ad Hoc Networks. Lecture Notes in Computer Science, 2010, , 168-182.	1.3	1
46	Bridging Context Management Systems in the ad hoc and mobile environments. , 2009, , .		6
47	Exploring the solution space of beaconing in VANETs. , 2009, , .		88
48	Adaptive resource control in 2-hop ad-hoc networks. , 2009, , .		2
49	Multihop Wireless Networks. Lecture Notes in Electrical Engineering, 2009, , 201-265.	0.4	18
50	Performance Analysis of Uplink Packet Schedulers in Cellular Networks with Relaying. IFIP Advances in Information and Communication Technology, 2009, , 263-273.	0.7	2
51	On the Impact of Network Dynamics on a Discovery Protocol for Ad-Hoc Networks. International Journal of Business Data Communications and Networking, 2009, 5, 16-34.	0.7	1
52	Reducing handover latency in future IP-based wireless networks: proxy mobile IPv6 with simultaneous bindings. , 2008, , .		15
53	A Control-Theoretic Modeling Approach for Service Differentiation in Multi-hop Ad-hoc Networks. , 2008, , .		2
54	Flow Level Performance Comparison of Packet Scheduling Schemes for UMTS EUL. Lecture Notes in Computer Science, 2008, , 27-40.	1.3	11

#	ARTICLE	IF	CITATIONS
55	Bottleneck Analysis for Two-Hop IEEE 802.11e Ad Hoc Networks. , 2008, , 279-294.		5
56	Modeling service discovery in ad-hoc networks. , 2007, , .		4
57	A Measurement-Based Admission Control Algorithm for Resource Management in Diffserv IP Networks. , 2006, , .		4
58	Interference-based routing in multi-hop wireless infrastructures. Computer Communications, 2006, 29, 2693-2701.	5.1	6
59	Context Discovery Using Attenuated Bloom Filters in Ad-Hoc Networks. Lecture Notes in Computer Science, 2006, , 13-25.	1.3	15
60	Providing QoS in Bluetooth. Cluster Computing, 2005, 8, 223-231.	5.0	0
61	Interference-Based Routing in Multi-hop Wireless Infrastructures. Lecture Notes in Computer Science, 2005, , 117-127.	1.3	2
62	Polling Best Effort Traffic in Bluetooth. Wireless Personal Communications, 2002, 23, 195-206.	2.7	5
63	Design and evaluation of a connection management mechanism for an ATM-based connectionless service. Distributed Systems Engineering, 1996, 3, 53-67.	0.6	4
64	Communication systems supporting multimedia multi-user applications. IEEE Network, 1994, 8, 34-44.	6.9	24
65	Dynamic Connectivity Analysis of ABF-based Ad-hoc Networks. International Federation for Information Processing, 0, , 407-420.	0.4	1