

# Zygmunt J Haas

## List of Publications by Year in descending order

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46  
papers

758  
citations

623574

14  
h-index

552653

26  
g-index

46  
all docs

46  
docs citations

46  
times ranked

811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Capacity Sizing for Completely Green Charging Systems for Electric Vehicles. IEEE Transactions on Transportation Electrification, 2017, 3, 565-577.	5.3	82
2	Multi-RIS-Aided Wireless Systems: Statistical Characterization and Performance Analysis. IEEE Transactions on Communications, 2021, 69, 8641-8658.	4.9	76
3	Energy-Efficient Protocol for Cooperative Networks. IEEE/ACM Transactions on Networking, 2011, 19, 561-574.	2.6	69
4	Optimal Sequential Paging in Cellular Wireless Networks. Wireless Networks, 2004, 10, 121-131.	2.0	55
5	Resource Allocation for Multicell Device-to-Device Communications Underlying 5G Networks: A Game-Theoretic Mechanism With Incomplete Information. IEEE Transactions on Vehicular Technology, 2018, 67, 2557-2570.	3.9	55
6	Coverage and connectivity in three-dimensional underwater sensor networks. Wireless Communications and Mobile Computing, 2008, 8, 995-1009.	0.8	43
7	A Stochastic Model for Chain Collisions of Vehicles Equipped With Vehicular Communications. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 503-518.	4.7	39
8	On the scalability and capacity of single-user-detection based wireless networks with isotropic antennas. IEEE Transactions on Wireless Communications, 2007, 6, 8-15.	6.1	29
9	An algorithm for prediction of link lifetime in MANET based on unscented kalman filter. IEEE Communications Letters, 2009, 13, 782-784.	2.5	24
10	Cluster-based cooperative communication with network coding in wireless networks. , 2010, , .		22
11	Encoded Sensing for Energy Efficient Wireless Sensor Networks. IEEE Sensors Journal, 2018, 18, 875-889.	2.4	21
12	Multiple Antenna Selection and Successive Signal Detection for SM-Based IRS-Aided Communication. IEEE Signal Processing Letters, 2021, 28, 813-817.	2.1	21
13	Interference mitigation using dynamic frequency re-use for dense femtocell network architectures. , 2010, , .		19
14	Simple, Practical, and Effective Opportunistic Routing for Short-Haul Multi-Hop Wireless Networks. IEEE Transactions on Wireless Communications, 2011, 10, 3583-3588.	6.1	19
15	Relay Placement in Wireless Networks: Minimizing Communication Cost. IEEE Transactions on Wireless Communications, 2016, 15, 3587-3602.	6.1	19
16	Secrecy Rate of Cooperative MIMO in the Presence of a Location Constrained Eavesdropper. IEEE Transactions on Communications, 2019, 67, 1356-1370.	4.9	17
17	Aerial Reconfigurable Intelligent Surface-Aided Wireless Communication Systems. , 2021, , .		16
18	Hybrid Location-Update Scheme for Mobile Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 338-348.	3.9	14

#	ARTICLE	IF	CITATIONS
19	Towards Optimal Broadcast in Wireless Networks. IEEE Transactions on Mobile Computing, 2015, 14, 1530-1544.	3.9	13
20	On the scalability and capacity of planar wireless networks with omnidirectional antennas. Wireless Communications and Mobile Computing, 2004, 4, 263-279.	0.8	11
21	On the Design of Multi-Hop Tag-to-Tag Routing Protocol for Large-Scale Networks of Passive Tags. IEEE Open Journal of the Communications Society, 2020, 1, 1035-1055.	4.4	8
22	Efficient Tradeoff of Restricted Epidemic Routing in Mobile Ad-Hoc Networks. , 2007, , .		7
23	Tradeoff between energy consumption and lifetime in Delay-Tolerant mobile Network. , 2008, , .		7
24	On Residual Path Lifetime in Mobile Networks. IEEE Communications Letters, 2016, 20, 582-585.	2.5	7
25	TTL Prediction Schemes and the Effects of Inter-Update Time Distribution on Wireless Data Access. Wireless Networks, 2004, 10, 607-619.	2.0	6
26	On the Performance of Reconfigurable Distributed MIMO in Mobile Networks. IEEE Transactions on Communications, 2017, 65, 1609-1622.	4.9	6
27	Data-Correlation-Aware Unsupervised Deep-Learning Model for Anomaly Detection in Cyber-Physical Systems. IEEE Internet of Things Journal, 2022, 9, 22410-22421.	5.5	6
28	Effect of link-level feedback and retransmissions on the performance of cooperative networking. , 2011, , .		5
29	Channel Characterization for RIS-Aided Terahertz Communications: A Stochastic Approach. IEEE Wireless Communications Letters, 2022, 11, 1890-1894.	3.2	5
30	Busy Tone Multi Channel (BTMC): A New Multi Channel MAC protocol for Ad Hoc Networks. , 2008, , .		4
31	Low-Complexity Generalized Spatial Modulation Schemes Using Codebook-Assisted MIMO Detectors. IEEE Transactions on Vehicular Technology, 2018, 67, 12358-12362.	3.9	4
32	On Power Management Policies for Data Centers. , 2015, , .		3
33	Low complexity QoE-aware bandwidth allocation for wireless content delivery. , 2015, , .		3
34	Deadline-Aware Energy Management in Data Centers. , 2016, , .		3
35	Asymptotic Analysis for Spectrum-Sharing Systems With TAS/MRC Using Extreme Value Theory: An Overlooked Aspect. IEEE Access, 2019, 7, 138062-138078.	2.6	3
36	On the Design of RD-MIMO: Spatial Multiplexing Versus Opportunistic Transmission Schemes. IEEE Access, 2020, 8, 22733-22747.	2.6	3

#	ARTICLE	IF	CITATIONS
37	Personal Environment Service for Mobile Users. , 2006, , .		2
38	Quantitative Analysis of Partition Statistics and their Impact on Data Replication in MANETs. , 2007, , .		2
39	Throughput maximization in UWB-based ad-hoc networks. Science China Information Sciences, 2010, 53, 2538-2547.	2.7	2
40	Routing protocol design in tag-to-tag networks with capability-enhanced passive tags. , 2017, , .		2
41	Congestion-Tolerant Framework for IoT Applications. , 2019, , .		2
42	On the Performance of Distributed MIMO With Full-Duplex Jamming. IEEE Transactions on Communications, 2019, 67, 1972-1985.	4.9	2
43	Capacity evaluation of multi-channel wireless ad hoc networks. Journal of Electronics, 2003, 20, 344-352.	0.2	1
44	Supporting Privacy of Computations in Mobile Big Data Systems. Future Internet, 2016, 8, 17.	2.4	1
45	Power scheduling for programmable appliances in Microgrids. , 2015, , .		0
46	On the improvement of spectral efficiency in mobile networks: Rate and mobility analysis. , 2017, , .		0