

# Pavel Masek

## List of Publications by Year in descending order

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58  
papers

799  
citations

840728

11  
h-index

713444

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g-index

58  
all docs

58  
docs citations

58  
times ranked

795  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Harmonized Perspective on Transportation Management in Smart Cities: The Novel IoT-Driven Environment for Road Traffic Modeling. <i>Sensors</i> , 2016, 16, 1872.	3.8	67
2	Exploring synergy between communications, caching, and computing in 5G-grade deployments. , 2016, 54, 60-69.		63
3	Blockchain Evaluation Approaches: State-of-the-Art and Future Perspective. <i>Sensors</i> , 2020, 20, 3358.	3.8	60
4	Feasibility characterization of cryptographic primitives for constrained (wearable) IoT devices. , 2016, , .		48
5	Using genetic algorithm for advanced municipal waste collection in Smart City. , 2016, , .		43
6	An Overview on Blockchain for Smartphones: State-of-the-Art, Consensus, Implementation, Challenges and Future Trends. <i>IEEE Access</i> , 2020, 8, 103994-104015.	4.2	41
7	3GPP LTE-Assisted Wi-Fi-Direct: Trial Implementation of Live D2D Technology. <i>ETRI Journal</i> , 2015, 37, 877-887.	2.0	34
8	Implementation of True IoT Vision: Survey on Enabling Protocols and Hands-On Experience. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 8160282.	2.2	30
9	Implementing a Broadcast Storm Attack on a Mission-Critical Wireless Sensor Network. <i>Lecture Notes in Computer Science</i> , 2016, , 297-308.	1.3	29
10	Analytical Evaluation of D2D Connectivity Potential in 5G Wireless Systems. <i>Lecture Notes in Computer Science</i> , 2016, , 395-403.	1.3	28
11	A unifying perspective on proximity-based cellular-assisted mobile social networking. , 2016, 54, 108-116.		23
12	Efficiency evaluation of different types of cryptography curves on low-power devices. , 2015, , .		22
13	A SyMPHOnY of Integrated IoT Businesses: Closing the Gap between Availability and Adoption. , 2017, 55, 156-164.		19
14	Accuracy Assessment and Cross-Validation of LPWAN Propagation Models in Urban Scenarios. <i>IEEE Access</i> , 2020, 8, 154625-154636.	4.2	17
15	Universal smart energy communication platform. , 2014, , .		16
16	Advanced optimization method for improving the urban traffic management. , 2016, , .		16
17	Dynamic Trust Associations Over Socially-Aware D2D Technology: A Practical Implementation Perspective. <i>IEEE Access</i> , 2016, 4, 7692-7702.	4.2	16
18	IP home gateway as universal multi-purpose enabler for smart home services. <i>Elektrotechnik Und Informationstechnik</i> , 2014, 131, 123-128.	1.1	15

#	ARTICLE	IF	CITATIONS
19	Dynamic Resource Sharing in 5G with LSA: Criteria-Based Management Framework. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-12.	1.2	15
20	Implementing secure network-assisted D2D framework in live 3GPP LTE deployment. , 2016, , .		13
21	Suitability of MANET Routing Protocols for the Next-Generation National Security and Public Safety Systems. <i>Lecture Notes in Computer Science</i> , 2015, , 242-253.	1.3	11
22	Design of low-power random number generator using signal quantization error in Smart Grid. , 2016, , .		11
23	Tailoring NB-IoT for Mass Market Applications: A Mobile Operator's Perspective. , 2018, , .		10
24	Measurements of LoRaWAN Technology in Urban Scenarios: A Data Descriptor. <i>Data</i> , 2021, 6, 62.	2.3	10
25	User performance gains by data offloading of LTE mobile traffic onto unlicensed IEEE 802.11 links. , 2015, , .		9
26	On the Performance of Multi-Gateway LoRaWAN Deployments: An Experimental Study. , 2020, , .		9
27	Performance analysis of the OSGi-based IoT frameworks on restricted devices as enablers for connected-home. , 2015, , .		8
28	Positioning Information Privacy in Intelligent Transportation Systems: An Overview and Future Perspective. <i>Sensors</i> , 2019, 19, 1603.	3.8	8
29	M2M gateway: The centerpiece of future home. , 2014, , .		7
30	Modeling the utilization of a multi-tenant band in 3GPP LTE system with Licensed Shared Access. , 2016, , .		7
31	Modeling Transmit Power Reduction for a Typical Cell With Licensed Shared Access Capabilities. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 5505-5509.	6.3	7
32	Keeping eyes on your home: Open-source network monitoring center for mobile devices. , 2015, , .		6
33	Experimental Evaluation of Dynamic Licensed Shared Access Operation in Live 3GPP LTE System. , 2016, , .		6
34	Environmental Monitoring with Distributed Mesh Networks: An Overview and Practical Implementation Perspective for Urban Scenario. <i>Sensors</i> , 2019, 19, 5548.	3.8	6
35	Wireless M-BUS: An Attractive M2M Technology for 5G-Grade Home Automation. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2016, , 144-156.	0.3	6
36	On the Performance of LoRaWAN in Smart City: End-Device Design and Communication Coverage. <i>Lecture Notes in Computer Science</i> , 2019, , 15-29.	1.3	6

#	ARTICLE	IF	CITATIONS
37	Optimizing NB-IoT Communication Patterns for Permanently Connected mMTC Devices. , 2022, , .		6
38	On geographic coordinates of PlanetLab Europe. , 2015, , .		5
39	Remote management of intelligent devices: Using TR-069 protocol in IoT. , 2016, , .		5
40	A Practical Perspective on 5G-Ready Highly Dynamic Spectrum Management with LSA. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	1.2	5
41	Experimental evaluation of RAN modelling in indoor LTE deployment. , 2015, , .		4
42	Transmission power optimization in live 3GPP LTE-A indoor deployment. , 2016, , .		4
43	Learning-Aided Multi-RAT Operation for Battery Lifetime Extension in LPWAN Systems. , 2020, , .		4
44	LPWAN Coverage Assessment Planning Without Explicit Knowledge of Base Station Locations. IEEE Internet of Things Journal, 2022, 9, 4031-4050.	8.7	4
45	Dynamic Social Trust Associations over D2D Communications: An Implementation Perspective. , 2016, , .		3
46	A Trial of Yoking-Proof Protocol in RFID-based Smart-Home Environment. Communications in Computer and Information Science, 2016, , 25-34.	0.5	3
47	Time-Dependent Propagation Analysis and Modeling of LPWAN Technologies. , 2020, , .		3
48	Evaluation of Real-Life LoRaWAN Localization: Accuracy Dependencies Analysis Based on Outdoor Measurement Datasets. , 2022, , .		3
49	A Comprehensive and Reproducible Comparison of Cryptographic Primitives Execution on Android Devices. IEEE Access, 2021, 9, 54625-54638.	4.2	2
50	Multi-Radio Mobile Device in Role of Hybrid Node Between WiFi and LTE networks. International Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems, 2015, 4, .	0.2	2
51	On simulation techniques for modeling of molecular-based nanodevices' communication in human body environment. , 2015, , .		1
52	Experimental evaluation of technology enablers for cutting edge wearables' applications. , 2016, , .		1
53	Prototyping Minimal Footprint NFC-Based User Access Control System for IoT Applications. Communications in Computer and Information Science, 2017, , 27-40.	0.5	1
54	Battery Monitoring Within Industry 4.0 Landscape: Solution as a Service (SaaS) for Industrial Power Unit Systems. Lecture Notes in Computer Science, 2017, , 40-52.	1.3	1

#	ARTICLE	IF	CITATIONS
55	Design of QoS model for mobile Ad-hoc network. , 2013, , .		0
56	Evaluating the influence of geographical location between cellular end-users and data center on latency in E-UTRAN network. , 2016, , .		0
57	Analysis of Network Parameters Influencing Performance of Hybrid Multimedia Networks. International Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems, 2013, 2, .	0.2	0
58	Characterizing mmWave Radio Propagation at 60GHz in a Conference Room Scenario. Lecture Notes in Computer Science, 2018, , 381-393.	1.3	0