

Sndor D Imre

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142
papers

1,549
citations

18
h-index

35
g-index

177
ext. papers

1,931
ext. citations

2.7
avg, IF

5.92
L-index

#	Paper	IF	Citations
142	Wireless Myths, Realities, and Futures: From 3G/4G to Optical and Quantum Wireless. <i>Proceedings of the IEEE</i> , 2012 , 100, 1853-1888	14.3	252
141	A Survey on Quantum Channel Capacities. <i>IEEE Communications Surveys and Tutorials</i> , 2018 , 20, 1149-1205	9.1	127
140	A Survey on quantum computing technology. <i>Computer Science Review</i> , 2019 , 31, 51-71	8.3	121
139	2012 ,		73
138	A survey of handover management in LTE-based multi-tier femtocell networks: Requirements, challenges and solutions. <i>Computer Networks</i> , 2015 , 76, 17-41	5.4	63
137	User Tracking on the Web via Cross-Browser Fingerprinting. <i>Lecture Notes in Computer Science</i> , 2012 , 31-46	0.9	59
136	Decentralized base-graph routing for the quantum internet. <i>Physical Review A</i> , 2018 , 98,	2.6	46
135	Entanglement-Gradient Routing for Quantum Networks. <i>Scientific Reports</i> , 2017 , 7, 14255	4.9	42
134	Entanglement Availability Differentiation Service for the Quantum Internet. <i>Scientific Reports</i> , 2018 , 8, 10620	4.9	31
133	Multilayer Optimization for the Quantum Internet. <i>Scientific Reports</i> , 2018 , 8, 12690	4.9	26
132	Dense Quantum Measurement Theory. <i>Scientific Reports</i> , 2019 , 9, 6755	4.9	25
131	Optimizing High-Efficiency Quantum Memory with Quantum Machine Learning for Near-Term Quantum Devices. <i>Scientific Reports</i> , 2020 , 10, 135	4.9	24
130	Quantum communications: explained for communication engineers 2013 , 51, 28-35		23
129	Elliptic curve cryptography based mutual authentication protocol for low computational capacity RFID systems - performance analysis by simulations 2010 ,		23
128	Opportunistic Entanglement Distribution for the Quantum Internet. <i>Scientific Reports</i> , 2019 , 9, 2219	4.9	22
127	A survey of multiuser/multisubchannel detection schemes based on recurrent neural networks. <i>Wireless Communications and Mobile Computing</i> , 2002 , 2, 269-284	1.9	20
126	A Survey on Quantum Key Distribution. <i>Infocommunications Journal</i> , 2019 , 14-21	2.3	20

125	Entanglement access control for the quantum Internet. <i>Quantum Information Processing</i> , 2019 , 18, 1	1.6	19
124	Low-Dimensional Reconciliation for Continuous-Variable Quantum Key Distribution. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 87	2.6	17
123	Training Optimization for Gate-Model Quantum Neural Networks. <i>Scientific Reports</i> , 2019 , 9, 12679	4.9	16
122	2004 ,		16
121	Circuit Depth Reduction for Gate-Model Quantum Computers. <i>Scientific Reports</i> , 2020 , 10, 11229	4.9	16
120	Topology adaption for the quantum Internet. <i>Quantum Information Processing</i> , 2018 , 17, 1	1.6	16
119	Entanglement accessibility measures for the quantum Internet. <i>Quantum Information Processing</i> , 2020 , 19, 1	1.6	15
118	Geometrical analysis of physically allowed quantum cloning transformations for quantum cryptography. <i>Information Sciences</i> , 2014 , 285, 1-23	7.7	15
117	Quantum circuit design for objective function maximization in gate-model quantum computers. <i>Quantum Information Processing</i> , 2019 , 18, 1	1.6	14
116	Singular layer transmission for continuous-variable quantum key distribution 2014 ,		14
115	Multiple access multicarrier continuous-variable quantum key distribution. <i>Chaos, Solitons and Fractals</i> , 2018 , 114, 491-505	9.3	13
114	Adaptive multicarrier quadrature division modulation for long-distance continuous-variable quantum key distribution 2014 ,		13
113	Long-distance continuous-variable quantum key distribution with advanced reconciliation of a Gaussian modulation 2014 ,		13
112	Dynamic topology resilience for quantum networks 2018 ,		13
111	Adaptive routing for quantum memory failures in the quantum Internet. <i>Quantum Information Processing</i> , 2019 , 18, 1	1.6	12
110	Non-coherent multi-user detection based on quantum search		11
109	State stabilization for gate-model quantum computers. <i>Quantum Information Processing</i> , 2019 , 18, 1	1.6	10
108	Theory of Noise-Scaled Stability Bounds and Entanglement Rate Maximization in the Quantum Internet. <i>Scientific Reports</i> , 2020 , 10, 2745	4.9	10

107	Quantum computing and communications Introduction and challenges. <i>Computers and Electrical Engineering</i> , 2014 , 40, 134-141	4.3	10
106	Mutual Authentication Protocol for Low Computational Capacity RFID Systems 2008 ,		10
105	Quantum Existence Testing and Its Application for Finding Extreme Values in Unsorted Databases. <i>IEEE Transactions on Computers</i> , 2007 , 56, 706-710	2.5	10
104	Secret key rate proof of multicarrier continuous-variable quantum key distribution. <i>International Journal of Communication Systems</i> , 2019 , 32, e3865	1.7	9
103	A HIP Based Network Mobility Protocol 2007 ,		9
102	Theory of quantum gravity information processing. <i>Quantum Engineering</i> , 2019 , 1, e23	4.5	9
101	Scalable distributed gate-model quantum computers. <i>Scientific Reports</i> , 2021 , 11, 5172	4.9	9
100	Modeling and Analysis of Broadband Cellular Networks with Multimedia Connections. <i>Telecommunication Systems</i> , 2002 , 19, 263-288	2.3	8
99	Routing space exploration for scalable routing in the quantum Internet. <i>Scientific Reports</i> , 2020 , 10, 118749	4.9	8
98	Measuring importance of seeding for structural de-anonymization attacks in social networks 2014 ,		7
97	Perceived quality of angular resolution for light field displays and the validity of subjective assessment 2016 ,		7
96	Eigenchannel decomposition for continuous-variable quantum key distribution 2015 ,		6
95	Distortions in QoE assessment of 3D multimedia services on multi-access mobile devices 2013 ,		6
94	Entanglement Concentration Service for the Quantum Internet 2018 ,		6
93	Analysis of Grasshopper, a Novel Social Network De-anonymization Algorithm. <i>Periodica Polytechnica Electrical Engineering and Computer Science</i> , 2014 , 58, 161-173	1.2	6
92	An Efficient and Robust Social Network De-anonymization Attack 2016 ,		6
91	Gaussian quadrature inference for multicarrier continuous-variable quantum key distribution. <i>Quantum Studies: Mathematics and Foundations</i> , 2019 , 6, 397-430	0.6	6
90	A Poisson Model for Entanglement Optimization in the Quantum Internet. <i>Quantum Information Processing</i> , 2019 , 18, 1	1.6	5

89	Diversity space of multicarrier continuous-variable quantum key distribution. <i>International Journal of Communication Systems</i> , 2019 , 32, e4003	1.7	5
88	Seeing is Believing and Vice Versa: Investigation of the Altered Perception during Subjective Assessment of Streaming Multimedia 2014 ,		5
87	Superactivation of quantum channels is limited by the quantum relative entropy function. <i>Quantum Information Processing</i> , 2013 , 12, 1011-1021	1.6	5
86	Algorithmic superactivation of asymptotic quantum capacity of zero-capacity quantum channels. <i>Information Sciences</i> , 2013 , 222, 737-753	7.7	5
85	Distortions in QoE Measurements of Ubiquitous Mobile Video Services Caused by the Preconceptions of Test Subjects 2012 ,		5
84	Informational geometric analysis of superactivation of asymptotic quantum capacity of zero-capacity optical quantum channels 2011 ,		5
83	Novel geometrical solution to additivity problem of classical quantum channel capacity 2010 ,		5
82	Dynamic Call Admission Control for Uplink in 3G/4G CDMA-Based Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 2617-2629	6.8	5
81	Source controlled semi-reliable multimedia streaming using selective retransmission in DCCP/IP networks. <i>Computer Communications</i> , 2008 , 31, 2676-2684	5.1	5
80	Entanglement concentration service for the quantum Internet. <i>Quantum Information Processing</i> , 2020 , 19, 1	1.6	5
79	Subcarrier Domain of Multicarrier Continuous-Variable Quantum Key Distribution. <i>Journal of Statistical Physics</i> , 2019 , 177, 960-983	1.5	4
78	Simulation and analysis of concurrent BLE link layer state machines running within the same physical device 2017 ,		4
77	Extension and analysis of modified superdense-coding in multi-user environment 2015 ,		4
76	Quasi-superactivation of classical capacity of zero-capacity quantum channels. <i>Journal of Modern Optics</i> , 2012 , 59, 1243-1264	1.1	4
75	Information Geometrical Analysis of Additivity of Optical Quantum Channels. <i>Journal of Optical Communications and Networking</i> , 2011 , 3, 48	4.1	4
74	Analyzing the Quantum Based Satellite Communications. <i>Procedia Computer Science</i> , 2011 , 7, 256-257	1.6	4
73	The Accuracy of Location Prediction Algorithms Based on Markovian Mobility Models. <i>International Journal of Mobile Computing and Multimedia Communications</i> , 2009 , 1, 1-21	0.7	4
72	Accurate Mobility Modeling and Location Prediction Based on Pattern Analysis of Handover Series in Mobile Networks. <i>Mobile Information Systems</i> , 2009 , 5, 255-289	1.4	4

71	Measuring Local Topological Anonymity in Social Networks 2012 ,		4
70	Source Controlled and Delay Sensitive Selective Retransmission Scheme for Multimedia Streaming. <i>Proceedings - International Symposium on Computers and Communications</i> , 2007 ,		4
69	Secret key rates of free-space optical continuous-variable quantum key distribution. <i>International Journal of Communication Systems</i> , 2019 , 32, e4152	1.7	4
68	Quantum circuit-based modeling of continuous-variable quantum key distribution system. <i>International Journal of Circuit Theory and Applications</i> , 2017 , 45, 1017-1028	2	3
67	Service Mediation in multihop Bluetooth Low Energy networks based on NDN approach 2015 ,		3
66	Elliptic curve cryptography based authentication protocol for small computational capacity RFID systems 2010 ,		3
65	Information geometric superactivation of classical zero-error capacity of quantum channels. <i>Progress in Informatics</i> , 2011 , 89		3
64	Hiding Information in Social Networks from De-anonymization Attacks by Using Identity Separation. <i>Lecture Notes in Computer Science</i> , 2013 , 173-184	0.9	3
63	Dynamic Agent Domains in Mobile Agent Based Network Management. <i>Lecture Notes in Computer Science</i> , 2001 , 468-477	0.9	3
62	Modified quantum superdense coding for distributed communications. <i>International Journal of Communication Systems</i> , 2016 , 29, 417-423	1.7	2
61	The correlation conversion property of quantum channels: distillable entanglement from classical correlation 2013 ,		2
60	Long-distance quantum communications with superactivated Gaussian optical quantum channels. <i>Optical Engineering</i> , 2012 , 51, 015003	1.1	2
59	Simple Lightweight Authentication Protocol. <i>International Journal of Business Data Communications and Networking</i> , 2010 , 6, 66-94	0.8	2
58	Elliptic curve cryptography based mutual authentication protocol for low computational complexity environment 2010 ,		2
57	Content-aware interface selection method for multi-path video streaming in best-effort networks 2009 ,		2
56	Modeling Role-Based Privacy in Social Networking Services 2009 ,		2
55	The Generalized Quantum Database Search Algorithm. <i>Computing (Vienna/New York)</i> , 2004 , 73, 245-269	2.2	2
54	EXTREME VALUE SEARCHING IN UNSORTED DATABASES BASED ON QUANTUM COMPUTING. <i>International Journal of Quantum Information</i> , 2005 , 03, 171-176	0.8	2

53	Adaptive Clustering Using Mobile Agents in Wireless Ad-Hoc Networks. <i>Lecture Notes in Computer Science</i> , 2001 , 199-204	0.9	2
52	Separating Private and Business Identities 114-132		2
51	BME VIK Annual Research Report on Electrical Engineering and Computer Science 2015. <i>Periodica Polytechnica Electrical Engineering and Computer Science</i> , 2016 , 60, 1-36	1.2	2
50	Statistical quadrature evolution by inference for multicarrier continuous-variable quantum key distribution. <i>Quantum Studies: Mathematics and Foundations</i> , 2020 , 7, 99-124	0.6	2
49	Derivation of Parameters of Quantum optimization in Resource Distribution Management 2019 ,		1
48	Information geometric security analysis of differential phase-shift quantum key distribution protocol. <i>Security and Communication Networks</i> , 2013 , 6, 129-150	1.9	1
47	Partial CDR database dimensioning. <i>Telecommunication Systems</i> , 2013 , 52, 73-83	2.3	1
46	Pilot quantum error correction for global-scale quantum communications 2013 ,		1
45	Quality-based charging solutions for wireless multimedia services. <i>International Journal of Network Management</i> , 2014 , 24, 357-401	1.8	1
44	Quantum Key Distribution over Space-Space Laser Communication Links 2012 ,		1
43	Average system capacity in a two-tier LTE environment with random waypoint mobile users 2012 ,		1
42	Comparison of BB84 and S09 Quantum Key Distribution Protocols in Space-Space Links 2013 ,		1
41	Bandwidth Management in Wireless Home Networks for IPTV Solutions. <i>International Journal of Digital Multimedia Broadcasting</i> , 2013 , 2013, 1-7	0.8	1
40	Novel quantum information solution to copy-protection and secured authentication. <i>International Journal of Internet Technology and Secured Transactions</i> , 2011 , 3, 40	0.6	1
39	QUANTUM SINGULAR VALUE DECOMPOSITION BASED APPROXIMATION ALGORITHM. <i>Journal of Circuits, Systems and Computers</i> , 2010 , 19, 1141-1162	0.9	1
38	Solutions for Redundancy-Free Error Correction in Quantum Channel. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2010 , 117-124	0.2	1
37	Advice of Charge in Telecommunication Services 2007 ,		1
36	Anycast Subnet Optimization for Efficient IPv6 Mobility Management 2007 ,		1

35	A Poisson model for entanglement optimization in the quantum internet 2018 ,		1
34	Analysis of Hierarchical Paging. <i>Lecture Notes in Computer Science</i> , 2008 , 103-112	0.9	1
33	Resource Prioritization and Resource Balancing for the Quantum Internet 2019 ,		1
32	Resource prioritization and balancing for the quantum internet. <i>Scientific Reports</i> , 2020 , 10, 22390	4.9	1
31	Quantum Resource Distribution Management in Multi-task Environment 2019 ,		1
30	Mobile Agent Distribution in a Game-Theoretic Approach. <i>Lecture Notes in Computer Science</i> , 2002 , 163-170		1
29	Private Quantum Coding for Quantum Relay Networks. <i>Lecture Notes in Computer Science</i> , 2012 , 239-250	0.9	0
28	A Simulated Annealing Based Location Area Optimization in Next Generation Mobile Networks. <i>Mobile Information Systems</i> , 2007 , 3, 221-232	1.4	0
27	Dynamic Call Admission Control for Centralized CDMA Systems. <i>Telecommunication Systems</i> , 2005 , 29, 257-282	2.3	0
26	QoS Provision in IP Based Mobile Networks. <i>Lecture Notes in Computer Science</i> , 2003 , 1137-1140	0.9	0
25	Location Area Design Algorithms for Minimizing Signalling Costs in Mobile Networks. <i>International Journal of Business Data Communications and Networking</i> , 2007 , 3, 36-50	0.8	0
24	Cooperation and coalitional stability in decentralized wireless networks. <i>Telecommunication Systems</i> , 2017 , 64, 571-584	2.3	
23	Algorithmical analysis of information-theoretic aspects of secure communication over optical-fiber quantum channels. <i>Journal of Optical and Fiber Communications Research</i> , 2010 , 7, 10-42		
22	Virtual transmission based MAC protocol for wireless access. <i>IET Circuits, Devices and Systems</i> , 2006 , 153, 351		
21	The SONG (SOLutions for Next Generation Mobile Systems) Project. <i>Lecture Notes in Computer Science</i> , 2003 , 207-212	0.9	
20	QUANTUM COMPUTATION BASED PROBABILITY DENSITY FUNCTION ESTIMATION. <i>International Journal of Quantum Information</i> , 2005 , 03, 93-98	0.8	
19	Performance Evaluation of Multimedia Services in Cellular Networks. <i>Simulation</i> , 2002 , 78, 268-277	1.2	
18	A NEW CALL ADMISSION CONTROL METHOD BASED ON THE ESTIMATION OF THE LOST CELL. <i>Journal of Circuits, Systems and Computers</i> , 1999 , 09, 321-338	0.9	

- 17 Tracking and Fingerprinting in E-Business. *Advances in E-Business Research Series*,134-166 0.4
- 16 Emerging Mobility Applications of Host Identity Protocol201-216
- 15 Host Identity Protocol. *Advances in Wireless Technologies and Telecommunication Book Series*,247-272 0.2
- 14 Overview of IP Multimedia Subsystem Protocols and Communication Services. *Advances in Wireless Technologies and Telecommunication Book Series*,273-299 0.2
- 13 SCTP. *Advances in Wireless Technologies and Telecommunication Book Series*,397-414 0.2
- 12 An Adaptive Handover-Supporting Routing Method for ATM Based Mobile Networks, and Its Adaptation to IP Scenarios. *Lecture Notes in Computer Science*, **2001**, 11-19 0.9
- 11 Traffic Analysis of Multimedia Services in Broadband Cellular Networks. *Lecture Notes in Computer Science*, **2001**, 296-306 0.9
- 10 Maximum Likelihood Based Quantum Set Separation. *Lecture Notes in Computer Science*, **2004**, 318-325 0.9
- 9 Security Aspects in Radio Frequency Identification Networks **2015**, 4412-4423
- 8 Location Area Design Algorithms for Minimizing Signalling Costs in Mobile Networks **2009**, 682-695
- 7 Using Redundancy-Free Quantum Channels for Improving the Satellite Communication. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2010**, 317-329 0.2
- 6 The Accuracy of Location Prediction Algorithms Based on Markovian Mobility Models **2011**, 106-125
- 5 Security Aspects in Radio Frequency Identification Systems **2012**, 187-225
- 4 Hiding information against structural re-identification. *International Journal of Information Security*, **2019**, 18, 125-139 2.8
- 3 Secret Key Rate Adaption for Multicarrier Continuous-Variable Quantum Key Distribution. *SN Computer Science*, **2020**, 1, 1 2
- 2 Entanglement-Based Competition Resolution in Distributed Systems. *IEEE Access*, **2021**, 9, 10253-10262 3,5
- 1 Location-Dependent Data Access and Queries399-420