

# Mohammad Reza Pakravan

## List of Publications by Year in descending order

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82  
papers

717  
citations

759233

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642732

23  
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82  
all docs

82  
docs citations

82  
times ranked

654  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Joint Functional Split and Resource Allocation Optimization in Elastic Optical Fronthaul. IEEE Transactions on Network and Service Management, 2022, 19, 4505-4515.	4.9	3
2	On Energy Allocation and Data Scheduling in Backscatter Networks With Multi-Antenna Readers. IEEE Open Journal of the Communications Society, 2021, 2, 1674-1689.	6.9	1
3	An Energy-Efficient Controller for Wirelessly-Powered Communication Networks. IEEE Transactions on Communications, 2020, 68, 4986-5002.	7.8	5
4	Efficient, Fair, and QoS-Aware Policies for Wirelessly Powered Communication Networks. IEEE Transactions on Communications, 2020, 68, 5892-5907.	7.8	2
5	An Efficient Real-time Voice Activity Detection Algorithm using Teager Energy to Energy Ratio. , 2019, , .		2
6	Secrecy Throughput Maximization for Full-Duplex Wireless Powered Communication Networks. , 2019, , .		0
7	Dynamic Resource Allocation in Metro Elastic Optical Networks Using Lyapunov Drift Optimization. Journal of Optical Communications and Networking, 2019, 11, 250.	4.8	30
8	Joint Data Routing and Power Scheduling for Wireless Powered Communication Networks. , 2019, , .		1
9	Time-Sharing Improves Dynamic Index Coding Delay. , 2019, , .		1
10	Secrecy Throughput Maximization for Full-Duplex Wireless Powered IoT Networks Under Fairness Constraints. IEEE Internet of Things Journal, 2019, 6, 6964-6976.	8.7	19
11	Secrecy Throughput Maximization for Massive MIMO Wireless Powered Communication Networks. , 2019, , .		3
12	Energy-Efficient Service Provisioning in Inter-Data Center Elastic Optical Networks. IEEE Transactions on Green Communications and Networking, 2019, 3, 180-191.	5.5	4
13	Rate-Maximized Scheduling in Adaptive OCDMA Systems Using Stochastic Optimization. IEEE Communications Letters, 2018, 22, 728-731.	4.1	4
14	Energy-Efficient Fast Configuration of Flexible Transponders and Grooming Switches in OFDM-Based Elastic Optical Networks. Journal of Optical Communications and Networking, 2018, 10, 90.	4.8	25
15	Energy-Efficient Transponder Configuration for FMF-Based Elastic Optical Networks. IEEE Communications Letters, 2018, 22, 970-973.	4.1	3
16	Optimal and Near-Optimal Policies for Wireless Power Transfer Considering Fairness. , 2018, , .		7
17	EiR: An Energy-Efficient Routing Algorithm for Delay Tolerant Networks. , 2018, , .		2
18	Stochastic Power Control Policies for Battery-Operated Wireless Power Transfer. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	An Energy Efficient Cross-Layer Protocol for Wireless Sensor Networks. , 2018, , .		2
20	Optimal Hierarchical Radio Resource Management for HetNets With Flexible Backhaul. IEEE Transactions on Wireless Communications, 2018, 17, 4239-4255.	9.2	11
21	Spectrum-Convertible BWXC Placement in OFDM-Based Elastic Optical Networks. IEEE Photonics Journal, 2017, 9, 1-12.	2.0	10
22	Analysis and Design of Adaptive OCDMA Passive Optical Networks. Journal of Lightwave Technology, 2017, 35, 2853-2863.	4.6	36
23	A secure ECC-based privacy preserving data aggregation scheme for smart grids. Computer Networks, 2017, 129, 28-36.	5.1	48
24	Resource Allocation for Elastic Optical Networks Using Geometric Optimization. Journal of Optical Communications and Networking, 2017, 9, 889.	4.8	13
25	Cross-layer QSI-aware radio resource management for HetNets with flexible backhaul. , 2016, , .		1
26	Improved Routing and Spectrum Assignment formulations for optical OFDM networks. , 2016, , .		1
27	Detecting malicious packet drops and misroutings using Header Space Analysis. , 2016, , .		0
28	A periodic jump-based rendezvous algorithm in cognitive radio networks. Computer Communications, 2016, 79, 66-77.	5.1	2
29	Two-Timescale Radio Resource Management for Heterogeneous Networks with Flexible Backhaul. , 2015, , .		2
30	Overview of MAC protocols for energy harvesting wireless sensor networks. , 2015, , .		15
31	Two-timescale QoS-aware cross-layer optimisation for HetNets with flexible backhaul. , 2015, , .		4
32	ALP. ACM Transactions on Multimedia Computing, Communications and Applications, 2015, 11, 1-23.	4.3	2
33	Efficient Energy-Aware Routing With Redundancy Elimination. IEEE Journal on Selected Areas in Communications, 2015, 33, 2815-2825.	14.0	4
34	Efficient modulation technique for optical code division multiple access networks: differential pulse position modulation. IET Optoelectronics, 2014, 8, 181-190.	3.3	47
35	Packet switching unslotted optical CDMA system with variable length data traffic: Throughput, delay and stability analysis. , 2014, , .		3
36	A jamming resilient rendezvous protocol for Cognitive Radio Ad-Hoc Networks. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Bacterial foraging search in unstructured P2P networks. , 2014, , .		3
38	Two-Timescale Radio Resource Management for Heterogeneous Networks with Flexible Backhaul. , 2014, , .		0
39	Multi-user Opportunistic Spectrum Access with Channel Impairments. AEU - International Journal of Electronics and Communications, 2013, 67, 955-966.	2.9	1
40	Adaptive level control to improve QoS in OCDMA local area networks. , 2013, , .		3
41	Delay analysis and buffer management for random access in cognitive radio networks. , 2013, , .		0
42	Improving efficiency in resource allocation of OFDMA femtocell networks. , 2013, , .		1
43	Generalized OOC Assisted PPM and Overlapping PPM, Considering Thermal Noise and APD Effect. Journal of Optical Communications and Networking, 2013, 5, 696.	4.8	3
44	A review of new advances in resource discovery approaches in unstructured P2P networks. , 2013, , .		8
45	ROI-based protection scheme for high definition interactive video applications. , 2012, , .		2
46	A New Metric for Comparison of P2P Search Algorithms. , 2012, , .		2
47	Impact of Channel Estimation Errors and Power Allocation on Analog Network Coding and Routing in Two-Way Relaying. IEEE Transactions on Vehicular Technology, 2012, 61, 3223-3239.	6.3	55
48	Outage Probability and Power Allocation of Amplify and Forward Relaying with Channel Estimation Errors. IEEE Transactions on Wireless Communications, 2011, 10, 124-134.	9.2	50
49	QoS-aware joint policies in cognitive radio networks. , 2011, , .		4
50	Performance Analysis of Slotted ALOHA Random Access Packet-Switching Optical CDMA Networks Using Generalized Optical Orthogonal Codes and M-ary Overlapping PPM Signaling. Journal of Optical Communications and Networking, 2011, 3, 568.	4.8	10
51	Analytical Modeling and Performance Analysis of Flooding in CSMA-Based Wireless Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 664-679.	6.3	9
52	An ant-based rate allocation algorithm for media streaming in peer to peer networks: Extension to multiple sessions and dynamic networks. Journal of Network and Computer Applications, 2011, 34, 327-340.	9.1	4
53	A Game-Theoretic Approach for Power Allocation in Bidirectional Cooperative Communication. , 2010, , .		16
54	Quality of Service Provisioning in Optical CDMA Packet Networks. Journal of Optical Communications and Networking, 2010, 2, 283.	4.8	28

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55	Locally Multipath Adaptive Routing Protocol Resilient to Selfishness and Wormholes. Lecture Notes in Computer Science, 2010, , 187-200.	1.3	4
56	An upper bound on the throughput for myopic policy in multi-channel opportunistic access. , 2010, , .		1
57	Overlay routing architectures for massively multiuser virtual environments. ACM Multimedia, 2009, 1, 13-14.	0.1	0
58	A fast and reliable multi-sender algorithm for peer-to-peer networks. Journal of Network and Computer Applications, 2009, 32, 733-740.	9.1	2
59	An adaptive latency mitigation scheme for massively multiuser virtual environments. Journal of Network and Computer Applications, 2009, 32, 1049-1063.	9.1	3
60	Using geometrical routing for overlay networking in MMOGs. Multimedia Tools and Applications, 2009, 45, 61-81.	3.9	2
61	Analysis of generalized optical orthogonal codes in optical wireless local area networks. IEEE Journal on Selected Areas in Communications, 2009, 27, 1572-1581.	14.0	7
62	LOADER: A Location-Aware Distributed Virtual Environment Architecture. , 2008, , .		11
63	Adaptive modulation technique for amplify & forward cooperative diversity and fairness analysis. , 2008, , .		3
64	A distributed latency-aware architecture for massively multi-user virtual environments. , 2008, , .		1
65	Performance analysis of flooding over CSMA in wireless ad-hoc networks. , 2008, , .		7
66	A distributed interest management scheme for massively multi-user virtual environments. , 2008, , .		5
67	An ant based rate allocation algorithm for media streaming in peer to peer networks. , 2008, , .		2
68	A bandwidth-efficient scheme for distributed storage systems. , 2008, , .		0
69	A Hierarchical HMM Model for Online Gaming Traffic Patterns. , 2008, , .		12
70	Providing multiclass of services in optical CDMA packet networks. , 2008, , .		1
71	Power control analysis for indoor wireless infrared CDMA networks using BPPM. , 2007, , .		4
72	Wavelet-based unbalanced un-equivalent multiple description coding for P2P networks. , 2007, , .		3

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73	Analysis of Generalized Optical Orthogonal Codes in Wireless Optical Networks Using BPPM. Networks, 2008 ICON 2008 16th IEEE International Conference on, 2007, , .	0.0	3
74	Analysis of Queuing Delay in RPR Networks. , 2007, , .		0
75	An Enhanced Random-walk Method for Content Locating in P2P Networks. , 2007, , .		9
76	A Distributed Topology Control Algorithm for P2P Based Simulations. , 2007, , .		7
77	Topology Control Modeling and Measurement for Networked Virtual Environments. , 2007, , .		2
78	IPROMISE: Reliable Multi-Sender Algorithm for Peer-to-Peer Networks. , 2007, , .		3
79	A multi-sender multicast algorithm for media streaming on peer-to-peer networks. Computer Communications, 2007, 30, 2191-2200.	5.1	5
80	Adaptive Modulation Technique for cooperative diversity in Wireless Fading Channels. , 2006, , .		16
81	Indoor wireless infrared channel characterization by measurements. IEEE Transactions on Vehicular Technology, 2001, 50, 1053-1073.	6.3	55
82	Design considerations for broadband indoor infrared wireless communication systems. International Journal of Wireless Information Networks, 1995, 2, 223-238.	2.7	32