

Romano Fantacci

List of Publications by Year in Descending Order

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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.

298 papers	2,991 citations	27 h-index	39 g-index
343 ext. papers	3,869 ext. citations	5.5 avg, IF	5.65 L-index

#	Paper	IF	Citations
298	Mobile Control Plane Design for Quantum Satellite Backbones. <i>IEEE Network</i> , 2022 , 1-7	11.4	1
297	Facing the SNR wall detection in Full Duplex Cognitive Radio Networks using a GLRT multipath based detector. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	
296	Efficient Spectrum Spatial Reuse Approach Based on Gibbs Sampling for Ultra Dense Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 2299-2309	6.8	0
295	An Intelligent Radio Buffer-Aided Relaying Scheme With Adaptive Link Selection. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 3677-3684	6.8	1
294	Dynamic Control Architecture Based on Software Defined Networking for the Internet of Things. <i>Future Internet</i> , 2021 , 13, 113	3.3	3
293	Quantum Satellite Backbone Networks Design and Performance Evaluation 2021 ,		2
292	Correlation-Based Spectrum Sensing With Oversampling and Optimal Weights Selection for OFDM-Based Networks Coexistence in TVWS. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2021 , 7, 511-523	6.6	2
291	A Green Routing Protocol with Wireless Power Transfer for Internet of Things. <i>Journal of Sensor and Actuator Networks</i> , 2021 , 10, 6	3.8	2
290	Towards the Quantum Internet: Satellite Control Plane Architectures and Protocol Design. <i>Future Internet</i> , 2021 , 13, 196	3.3	1
289	Aging and Delay Analysis Based on Lyapunov Optimization and Martingale Theory. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 8216-8226	6.8	1
288	Martingale Theory Application to the Delay Analysis of a Multi-Hop Aloha NOMA Scheme in Edge Computing Systems. <i>IEEE/ACM Transactions on Networking</i> , 2021 , 1-9	3.8	
287	Remaining Useful Life Estimation for Prognostics of Lithium-Ion Batteries Based on Recurrent Neural Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	15
286	End-to-End Delay Bound for Wireless uVR Services over 6G Terahertz Communications. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	5
285	A Matching Game With Discard Policy for Virtual Machines Placement in Hybrid Cloud-Edge Architecture for Industrial IoT Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 7046-7055	11.9	11
284	Mobile Mist Computing for the Internet of Vehicles <i>Internet Technology Letters</i> , 2020 , 3, e176	1.3	3
283	When Network Slicing Meets Prospect Theory: A Service Provider Revenue Maximization Framework. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 3179-3189	6.8	10
282	Optimal links selection procedure in buffer-aided relaying for point-to-multipoints communications. <i>IET Communications</i> , 2020 , 14, 349-356	1.3	1

281	. <i>Proceedings of the IEEE</i> , 2020 , 108, 242-245	14.3	29
280	Federated learning framework for mobile edge computing networks. <i>CAAI Transactions on Intelligence Technology</i> , 2020 , 5, 15-21	9.7	19
279	Performance Analysis of an Edge Computing SaaS System for Mobile Users. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 2049-2057	6.8	10
278	Performance Analysis of a Delay Constrained Data Offloading Scheme in an Integrated Cloud-Fog-Edge Computing System. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 12004-12014	6.8	12
277	Experimental Measurements of a Joint 5G-VLC Communication for Future Vehicular Networks. <i>Journal of Sensor and Actuator Networks</i> , 2020 , 9, 32	3.8	15
276	Multi-cycle spectrum sensing for OFDM signals under cyclic frequency offsets in cognitive vehicular networks. <i>IET Communications</i> , 2020 , 14, 2259-2269	1.3	
275	. <i>IEEE Access</i> , 2020 , 8, 210370-210381	3.5	7
274	A matching game for tasks offloading in integrated edge-fog computing systems. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , 31, e3718	1.9	4
273	An integrated framework for blockchain inspired fog communications and computing in internet of vehicles. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 11, 755-762	3.7	15
272	. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 9112-9122	10.7	4
271	Highly Flexible RAN Slicing Approach to Manage Isolation, Priority, Efficiency. <i>IEEE Access</i> , 2019 , 7, 97130-97142	9.9	20
270	False Data Detection for Fog and Internet of Things Networks. <i>Sensors</i> , 2019 , 19,	3.8	7
269	A Real Case of Implementation of the Future 5G City. <i>Future Internet</i> , 2019 , 11, 4	3.3	14
268	Virtual Functions Placement With Time Constraints in Fog Computing: A Matching Theory Perspective. <i>IEEE Transactions on Network and Service Management</i> , 2019 , 16, 980-989	4.8	19
267	SDN-Based Routing for Backhauling in Ultra-Dense Networks. <i>Journal of Sensor and Actuator Networks</i> , 2019 , 8, 23	3.8	5
266	. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 5893-5903	6.8	1
265	Nonlinear Dynamic Chaos Theory Framework for Passenger Demand Forecasting in Smart City. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 8533-8545	6.8	6
264	A Distributed Token Passing Protocol for Time Constrained Data Gathering in VANETs. <i>Electronics (Switzerland)</i> , 2019 , 8, 823	2.6	5

263	Energy Efficient Communications for Reliable IoT Multicast 5G/Satellite Services. <i>Future Internet</i> , 2019 , 11, 164	3.3	15
262	Efficient Matching for Almost Blank Subframes Allocation in Ultra Dense Networks 2019 ,		1
261	Data dissemination to vehicles using 5G and VLC for Smart Cities 2019 ,		2
260	IoT Security via Address Shuffling: The Easy Way. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 3764-3774	10.7	28
259	Energy efficient cooperative multicast beamforming in ultra dense networks. <i>IET Communications</i> , 2018 , 12, 573-578	1.3	4
258	An Efficient Two-tier MAC Scheme for Satellite Machine-to-Machine Communications 2018 ,		1
257	Evaluation of IoT and videosurveillance applications in a 5G Smart City: the Italian 5G experimentation in Prato 2018 ,		2
256	A Matching Theory Framework for Tasks Offloading in Fog Computing for IoT Systems. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 5089-5096	10.7	41
255	Efficient network coding techniques for time constrained multicast narrowband power line communications. <i>International Journal of Communication Systems</i> , 2018 , 31, e3574	1.7	
254	An M2M cognitive MAC protocol for overlaid OFDMA environments. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017 , 28, e2955	1.9	5
253	. <i>IEEE Transactions on Communications</i> , 2017 , 65, 1119-1130	6.9	9
252	Content sharing in Internet of Vehicles: Two matching-based user-association approaches. <i>Vehicular Communications</i> , 2017 , 8, 35-44	5.7	18
251	Dynamic PSS and commercial networks spectrum sharing in the time domain. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017 , 28, e3083	1.9	3
250	A cooperative spectrum sensing protocol for IEEE 802.15.4m wide-area WSNs 2017 ,		1
249	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 5351-5363	6.8	14
248	Communications Protocol Design for 5G Vehicular Networks 2017 , 625-649		9
247	Heterogeneous Public Safety Network Architecture Based on RAN Slicing. <i>IEEE Access</i> , 2017 , 5, 24668-24677	3.5	15
246	Evaluation methodologies for the NB-IOT system: Issues and ongoing efforts 2017 ,		9

245	Social-Aware Relay Selection for Cooperative Multicast Device-to-Device Communications. <i>Future Internet</i> , 2017 , 9, 92	3.3	7
244	An efficient network coding scheme for reliable multicast power line communications. <i>Physical Communication</i> , 2017 , 25, 34-42	2.2	3
243	A Low-Complexity Cyclostationary Spectrum Sensing for Interference Avoidance in Femtocell LTE-A-Based Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 2747-2753	6.8	20
242	Buffer-Aided Diamond Relay Network With Block Fading and Inter-Relay Interference. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 7357-7372	9.6	24
241	Performance Evaluation of an Efficient and Reliable Multicast Power Line Communication System. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 1953-1964	14.2	11
240	Optimal joint MIMO and modulation order selection for network coded multicast wireless communications. <i>Telecommunication Systems</i> , 2016 , 61, 433-441	2.3	5
239	LTE enhancements for public safety and security communications to support group multimedia communications. <i>IEEE Network</i> , 2016 , 30, 80-85	11.4	22
238	An Optimized CoMP Transmission for a Heterogeneous Network Using eCIC Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 8230-8239	6.8	20
237	An Optimized Multicast Scheme for Data Burst Dissemination Over Satellite Links. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 9414-9419	6.8	3
236	Cognitive Spectrum Sharing: An Enabling Wireless Communication Technology for a Wide Use of Smart Systems. <i>Future Internet</i> , 2016 , 8, 23	3.3	11
235	The Use of Social Networks in Emergency Management 2016 , 25-61		2
234	A game theory-inspired channel allocation policy for multi-radio pervasive ad hoc communications. <i>Wireless Communications and Mobile Computing</i> , 2016 , 16, 1826-1836	1.9	2
233	Dynamic multicast link selections for buffer-aided relaying networks. <i>International Journal of Communication Systems</i> , 2016 , 29, 1790-1804	1.7	2
232	Optimized Narrow-Band M2M Systems for Massive Cellular IoT Communications 2016 ,		5
231	A Novel 6LoWPAN-ND Extension to Enhance Privacy in IEEE 802.15.4 Networks 2016 ,		7
230	A Cloud to the Ground: The New Frontier of Intelligent and Autonomous Networks of Things 2016 , 54, 14-20		32
229	Public safety networks evolution toward broadband: sharing infrastructures and spectrum with commercial systems 2016 , 54, 24-30		24
228	Context-aware wireless mobile autonomic computing and communications: research trends and emerging applications. <i>IEEE Wireless Communications</i> , 2016 , 23, 86-92	13.4	21

227	Interference aware approach for D2D communications 2016 ,		3
226	Buffer-aided relaying approaches for multicast communications 2016 ,		1
225	Interference Management in HetNets. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2015 , 17-35	0.4	
224	Heterogeneous Networks. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2015 , 3-16	0.4	1
223	A novel emergency management platform for smart public safety. <i>International Journal of Communication Systems</i> , 2015 , 28, 928-943	1.7	31
222	Current and future trends in open source network simulators for wireless systems 2015 , 451-464		
221	Aggregation and trunking of M2M traffic via D2D connections 2015 ,		41
220	MIMO cooperative spectrum sensing in hybrid satellite/terrestrial scenario 2015 ,		1
219	Context aware clustering in VANETs: A game theoretic perspective 2015 ,		11
218	Downlink cross-layer scheduling strategies for long-term evolution and long-term evolution-advanced systems. <i>Wireless Communications and Mobile Computing</i> , 2015 , 15, 1234-1246	1.9	
217	Resource Allocation Strategies for Network-Coded Video Broadcasting Services Over LTE-Advanced. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 2186-2192	6.8	30
216	Efficient Multicast Beamforming in HetNet with an Opportunistic Cells Activation 2015 ,		2
215	Performance Evaluation of an Adaptive Channel Allocation Technique for Cognitive Wireless Sensor Networks 2015 ,		3
214	An efficient HARQ scheme for applications in multicast communication systems. <i>Wireless Communications and Mobile Computing</i> , 2015 , 15, 1131-1141	1.9	5
213	Buffer-Aided diamond relay network with block fading 2015 ,		9
212	A distributed clustering scheme with self nomination: proposal and application to critical monitoring. <i>Wireless Networks</i> , 2015 , 21, 329-345	2.5	5
211	Cognitive Radio Techniques for M2M Environments. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 2015 , 909-927	0.2	
210	Cognitive Resource Allocation with Beamforming. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2015 , 51-72	0.4	

209	Detection and Mitigation of Impulsive Interference on OFDM Signals Based on Spectrum Sensing, Blanking and Symbol Retransmission. <i>Wireless Personal Communications</i> , 2014 , 77, 2631-2647	1.9	1
208	. <i>IEEE Wireless Communications</i> , 2014 , 21, 50-56	13.4	39
207	Short paper: Overcoming IoT fragmentation through standard gateway architecture 2014 ,		13
206	Multi-hop D2D networking and resource management scheme for M2M communications over LTE-A systems 2014 ,		19
205	A network architecture solution for efficient IOT WSN backhauling: challenges and opportunities. <i>IEEE Wireless Communications</i> , 2014 , 21, 113-119	13.4	45
204	Old Buildings Broadband Home Networks: Technologies and Services Overview. <i>Fiber and Integrated Optics</i> , 2014 , 33, 184-204	0.8	1
203	Green multimedia wireless sensor networks: distributed intelligent data fusion, in-network processing, and optimized resource management. <i>IEEE Wireless Communications</i> , 2014 , 21, 20-26	13.4	17
202	An Energy-Efficient Resource Allocation Scheme for RLNC-Based Heterogeneous Multicast Communications. <i>IEEE Communications Letters</i> , 2014 , 18, 1399-1402	3.8	11
201	Evaluation of the Resequencing Delay for Selective Repeat ARQ in TDD-Based Wireless Communication Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 2450-2455	6.8	9
200	Optimal Data Rate for Reliable Packet Communications in Laplace Noise. <i>IEEE Communications Letters</i> , 2014 , 18, 2-5	3.8	3
199	Physical Resource Block clustering method for an OFDMA cognitive femtocell system. <i>Physical Communication</i> , 2014 , 11, 67-77	2.2	5
198	Protecting mobile agents communications in pervasive networks with a trusted distributed mediator for ID-based RSA. <i>Security and Communication Networks</i> , 2014 , 7, 1887-1899	1.9	
197	Power efficient resource allocation strategies for layered video delivery over eMBMS networks 2014 ,		4
196	Angular interference suppression in cognitive LTE-A femtocells 2014 ,		4
195	Resource allocation schemes for cognitive LTE-A femto-cells using zero forcing beamforming and users selection 2014 ,		2
194	Coordinated scheduling and beamforming scheme for LTE-A HetNet exploiting direction of arrival 2014 ,		1
193	A mobility driven joint clustering and relay selection for IEEE 802.11p/WAVE vehicular networks 2014 ,		10
192	Adaptive muting ratio in enhanced Inter-Cell Interference Coordination for LTE-A systems 2014 ,		10

191	The role of small cell technology in future Smart City applications. <i>Transactions on Emerging Telecommunications Technologies</i> , 2014 , 25, 11-20	1.9	45
190	Social Sensor Networks for Transportation Management in Smart Cities 2014 , 357-378		
189	Performance evaluation of an IEEE 802.11g mesh network with multiradio nodes. <i>International Journal of Communication Systems</i> , 2013 , 26, 56-67	1.7	2
188	A joint communication and computing resource management scheme for pervasive grid networks. <i>Wireless Communications and Mobile Computing</i> , 2013 , 13, 1309-1323	1.9	2
187	Optimized Random Network Coding for Reliable Multicast Communications. <i>IEEE Communications Letters</i> , 2013 , 17, 1624-1627	3.8	15
186	A Novel Mitigation Scheme for JTIDS Impulsive Interference on LDACS System Based on Sensing and Symbol Retransmission. <i>Journal of Signal Processing Systems</i> , 2013 , 73, 255-266	1.4	4
185	Handset and network quality performance benchmarking for QoE improvement 2013 ,		10
184	The Structure and Performance of an Optimal Continuous-Time Detector for Laplace Noise. <i>IEEE Communications Letters</i> , 2013 , 17, 1065-1068	3.8	13
183	AeroMACS: A new perspective for mobile airport communications and services. <i>IEEE Wireless Communications</i> , 2013 , 20, 44-50	13.4	27
182	Intelligent and cooperative environments via internet of sensors: Perspectives and case study analysis 2013 ,		1
181	. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 6034-6042	9.6	7
180	Proposal of a cognitive based MAC protocol for M2M environments 2013 ,		9
179	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2013 , 49, 786-797	3.7	7
178	Packet-centric approach to distributed sparse-graph coding in wireless ad hoc networks. <i>Ad Hoc Networks</i> , 2013 , 11, 167-181	4.8	3
177	. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 1267-1275	6.8	11
176	Enabling technologies for smart building, what's missing? 2013 ,		7
175	LTE-A femto-cell interference mitigation with MuSiC DOA estimation and null steering in an actual indoor environment 2013 ,		14
174	Reliable rate-optimized video multicasting services over LTE/LTE-A 2013 ,		3

173	MAC and PHY-Layer Network Coding for Applications in Wireless Communications Networks 2013 , 706-727		
172	A low complexity clustering approach enabling context awareness in sparse VANETs 2012 ,		3
171	Supporting monitoring applications with mobile Wireless Sensor Networks: The eN Route forwarding approach 2012 ,		4
170	ns-3 RPL module: IPv6 Routing Protocol for Low power and Lossy Networks 2012 ,		12
169	MAC and PHY-Layer Network Coding for Applications in Wireless Communications Networks 2012 , 86-108		
168	. <i>IEEE Journal on Selected Areas in Communications</i> , 2011 , 29, 94-102	14.2	21
167	Wireless Communication Protocols for Distributed Computing Environments 2011 ,		1
166	An Optimized Resource Allocation Scheme Based on a Multidimensional Multiple-Choice Approach with Reduced Complexity 2011 ,		3
165	Physical Layer Network Coding in Multipath Channel: Effective Precoding-Based Transmission Scheme 2011 ,		8
164	A hierarchical communication architecture for oceanic surveillance applications. <i>Sensors</i> , 2011 , 11, 11343-56	3.26	12
163	Joint Discrete Power-Level and Delay Optimization for Network Coded Wireless Communications 2010 ,		3
162	An optimized neural network for monitoring Key Performance Indicators in HSDPA 2010 ,		5
161	A Novel Routing Algorithm for Mobile Pervasive Computing 2010 ,		5
160	Contention Delay Minimization in Wireless Body Sensor Networks: A Game Theoretic Perspective 2010 ,		9
159	An integrated communication-computing solution in emergency management 2010 ,		2
158	Analysis and design of a TETRA-DMO and IEEE 802.11 integrated network 2010 ,		1
157	Computational public safety in emergency management communications 2010 ,		1
156	Contaminated areas monitoring via distributed rateless coding with constrained data gathering 2010 ,		5

155	Rateless packet approach for data gathering in wireless sensor networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2010 , 28, 1169-1179	14.2	19
154	Impulse noise mitigation techniques for xDSL systems in a real environment. <i>IEEE Transactions on Consumer Electronics</i> , 2010 , 56, 2106-2114	4.8	8
153	WiMAX Network Security 2010 , 87-108		
152	Analytical Model for Performance Analysis of IEEE 802.11 DCF Mechanism in Multi-Radio Wireless Networks 2010 ,		7
151	. <i>IEEE Transactions on Vehicular Technology</i> , 2010 , 59, 2940-2950	6.8	39
150	Using wireless sensor networks to support intelligent transportation systems. <i>Ad Hoc Networks</i> , 2010 , 8, 462-473	4.8	68
149	A novel communication infrastructure for emergency management: the In.Sy.Eme. vision. <i>Wireless Communications and Mobile Computing</i> , 2010 , 10, 1672-1681	1.9	12
148	End-to-End Delay Analysis for Reliable Communications over Lossy Channels: Integrating Network Coding and ARQ Schemes 2009 ,		4
147	Avoiding Eclipse Attacks on Kad/Kademlia: An Identity Based Approach 2009 ,		5
146	Localization of a Swarm of Mobile Agents via Unscented Kalman Filtering 2009 ,		2
145	The communication infrastructure for emergency management 2009 ,		3
144	Adaptive scheduling algorithms for multimedia traffic in wireless OFDMA systems. <i>Physical Communication</i> , 2009 , 2, 228-234	2.2	7
143	Performance Evaluation of a Spectrum-Sensing Technique for Cognitive Radio Applications in B-VHF Communication Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 1722-1730	6.8	32
142	Novel link adaptation for TETRA cellular systems. <i>International Journal of Communication Systems</i> , 2009 , 22, 483-501	1.7	6
141	Performance evaluation of the MAC protocol in IEEE 802.16 systems with data and VoIP traffic scheduling. <i>Wireless Communications and Mobile Computing</i> , 2009 , 9, 35-46	1.9	2
140	Next generation grids and wireless communication networks: towards a novel integrated approach. <i>Wireless Communications and Mobile Computing</i> , 2009 , 9, 445-467	1.9	26
139	A secure radio communication system based on an efficient speech watermarking approach. <i>Security and Communication Networks</i> , 2009 , 2, 305-314	1.9	4
138	Agricultural Monitoring Based on Wireless Sensor Network Technology: Real Long Life Deployments for Physiology and Pathogens Control 2009 ,		14

137	Body Area Networking: Technology and Applications. <i>IEEE Journal on Selected Areas in Communications</i> , 2009 , 27, 1-4	14.2	9
136	Adaptive subcarrier allocation schemes for wireless ofdma systems in wimax networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2009 , 27, 217-225	14.2	43
135	An integrated communications framework for context aware continuous monitoring with body sensor networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2009 , 27, 379-386	14.2	27
134	A Novel Cognitive Networking Scenario for IEEE 802.16 Networks 2009 ,		6
133	Adaptive modulation and coding techniques for OFDMA systems. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 4876-4883	9.6	47
132	A Packet-Centric Approach to Distributed Rateless Coding in Wireless Sensor Networks 2009 ,		9
131	An Evolutionary Game Approach to P2P Video Streaming 2009 ,		5
130	Proposal of a Fixed Communication System Sharing the Bandwidth of an Existing Personal Communication Network. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 180-187	6.8	1
129	Performance Evaluation of a Precorrelation Interference Detection Algorithm for the GNSS Based on Nonparametrical Spectral Estimation. <i>IEEE Systems Journal</i> , 2008 , 2, 20-26	4.3	20
128	. <i>IEEE Wireless Communications</i> , 2008 , 15, 8-14	13.4	40
127	Efficient packet filtering in wireless ad hoc networks 2008 , 46, 104-110		6
126	A queue-based approach to power control in wireless communication networks. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 128-134	9.6	3
125	Energy efficient MAC protocols for Wireless Sensor Networks endowed with directive antennas: a cross-layer solution 2008 ,		5
124	Lightweight, Distributed Access Control for Wireless Sensor Networks Supporting Mobility 2008 ,		6
123	Efficient Adaptive Modulation and Coding Techniques for WiMAX Systems 2008 ,		12
122	On the Ranging and Scheduling of Data Traffic in OFDMA Mobile Environments 2008 ,		2
121	Proactive vs. Reactive DVB-RCS Terminal Using ACM Techniques 2008 ,		1
120	2008 ,		1

119	2008,			12
118	Performance analysis of a multiple access protocol for voice and data support in multiuser broadband wireless LANs. <i>Wireless Networks</i> , 2008 , 14, 17-28	2.5	0	
117	D-STAR MAC Protocol: A Cross Layer Solution for Wireless Sensor Networks Endowed with Directive Antennas. <i>Wireless Personal Communications</i> , 2008 , 47, 15-26	1.9	1	
116	Fast distributed bi-directional authentication for wireless sensor networks. <i>Security and Communication Networks</i> , 2008 , 1, 17-24	1.9	7	
115	Pulse Waveform Dependent BER Analysis of a DS-CDMA UWB Radio Under Multiple Access and Multipath Interferences. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 2338-2347	9.6	9	
114	A System Architecture Supporting Mobile Applications in Disconnected Sensor Networks 2007,			11
113	A Soft Combining Hybrid-ARQ Technique Applied to Throughput Maximization Within 3G Satellite IP Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 594-604	6.8	8	
112	2007,			5
111	SpaceTime MMSE Advanced Detector for Multisatellite Systems Under Nonideal Conditions. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 1716-1726	6.8		
110	Enhanced System Design Solutions for Wireless Sensor Networks applied to Distributed Environmental Monitoring 2007,			8
109	Cooperative Localization Protocols for Wireless Sensor Networks 2007,			3
108	Efficient MAC Protocols for Wireless Sensor Networks Endowed with Directive Antennas: A Cross-Layer Solution. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2007 , 2007, 1	3.2	4	
107	Efficient scheduling techniques for high data-rate wireless personal area networks. <i>International Journal of Sensor Networks</i> , 2007 , 2, 128	0.8	5	
106	Design and application of enhanced communication protocols for wireless sensor networks operating in environmental monitoring. <i>International Journal of Sensor Networks</i> , 2007 , 2, 299	0.8	6	
105	Performance Evaluation of a Link Adaptation Technique for High Speed Wireless Communication Systems. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 4568-4575	9.6	5	
104	Analysis of secure handover for IEEE 802.1x-based wireless ad hoc networks. <i>IEEE Wireless Communications</i> , 2007 , 14, 21-29	13.4	9	
103	Supporting the Sink Mobility: a Case Study for Wireless Sensor Networks 2007,			10
102	Search Algorithms for Unstructured Peer-to-Peer Networks 2007,			16

101	Design of Turbo-MUD Receivers for Overloaded CDMA Systems by Density Evolution Technique. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 3552-3557	9.6	7
100	2007 ,		11
99	2007 ,		11
98	The OCC-CDMA/OS for 4G wireless. <i>IEEE Vehicular Technology Magazine</i> , 2006 , 1, 12-21	9.9	4
97	A neural network approach to MMSE receivers in a DS-CDMA multipath fading environment. <i>IEEE Transactions on Communications</i> , 2006 , 54, 778-782	6.9	3
96	Design and Application of Enhanced Communication Protocols for Wireless Sensor Networks operating in Environmental Monitoring 2006 ,		5
95	Secure, fast handoff techniques for 802.1X based wireless network 2006 ,		5
94	An Acknowledgment Driven Adaptive Link Control Approach for Applications in High Speed Wireless Communication Systems. <i>IEEE Transactions on Wireless Communications</i> , 2006 , 5, 3588-3595	9.6	
93	A rate adaptive bit-loading algorithm for in-building power-line communications based on DMT-modulated systems. <i>IEEE Transactions on Power Delivery</i> , 2006 , 21, 1892-1897	4.3	20
92	WSN17-2: Proposal of an Adaptive MAC Protocol for Efficient IEEE 802.15.4 Low Power Communications. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006 ,		15
91	Quality of Service Management in IEEE 802.16 Wireless Metropolitan Area Networks 2006 ,		16
90	. <i>Journal of Communications and Networks</i> , 2006 , 8, 369-377	4.1	8
89	Robust Multiuser Interference Cancellation for OFDM Systems With Frequency Offset. <i>IEEE Transactions on Wireless Communications</i> , 2006 , 5, 3068-3076	9.6	32
88	Cross-layer protocol engineering for wireless mobile networks: part 2 2006 , 44, 83-84		5
87	Punctured hopping CDMA techniques: fundamentals and application to UWB communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2006 , 24, 731-737	14.2	
86	Dynamic bandwidth allocation in GEO satellite networks: A predictive control approach. <i>Control Engineering Practice</i> , 2006 , 14, 1057-1067	3.9	11
85	2005 , 43, 95-100		7
84	Cross-layer protocol engineering for wireless mobile networks. 1 [Guest Editorial] 2005 , 43, 110-111		8

83	A rate adaptive bit-loading algorithm for a DMT modulation system for in-building power-line communications 2005 ,		2
82	. <i>IEEE Wireless Communications</i> , 2005 , 12, 21-27	13.4	9
81	A MAC layer traffic-priority management technique in CDMA based ad-hoc networks 2005 ,		2
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