Antonio Iera

List of Publications by Year
in descending order

240 papers	19,390 citations	147726 31 h-index	24232 110 g-index
244 all docs	244 docs citations	244 times ranked	16236 citing authors

#	Article	IF	Citations
1	D2D-Based Cooperative Positioning Paradigm for Future Wireless Systems: A Survey. IEEE Sensors Journal, 2022, 22, 5101-5112.	2.4	15
2	Bridging separate communities with common interest in distributed social networks through the use of social objects. Future Generation Computer Systems, 2022, 129, 440-452.	4.9	2
3	Placement of Social Digital Twins at the Edge for Beyond 5G IoT Networks. IEEE Internet of Things Journal, 2022, 9, 23927-23940.	5.5	11
4	A Sidelink-Aided Approach for Secure Multicast Service Delivery: From Human-Oriented Multimedia Traffic to Machine Type Communications. IEEE Transactions on Broadcasting, 2021, 67, 313-323.	2.5	20
5	Broadcasting Services Over 5G NR Enabled Multi-Beam Non-Terrestrial Networks. IEEE Transactions on Broadcasting, 2021, 67, 33-45.	2.5	24
6	Virtualizing AI at the Distributed Edge towards Intelligent IoT Applications. Journal of Sensor and Actuator Networks, 2021, 10, 13.	2.3	13
7	Trusted and secured D2D-aided communications in 5G networks. Ad Hoc Networks, 2021, 114, 102403.	3.4	21
8	Efficient Management of Multicast Traffic in Directional mmWave Networks. IEEE Transactions on Broadcasting, 2021, 67, 593-605.	2.5	11
9	Caching Popular Transient IoT Contents in an SDN-Based Edge Infrastructure. IEEE Transactions on Network and Service Management, 2021, 18, 3432-3447.	3.2	24
10	Unsupervised Learning for D2D-Assisted Multicast Scheduling in mmWave Networks. , 2021, , .		5
11	A Dynamic MBSFN Area Formation Algorithm for Multicast Service Delivery in 5G NR Networks. IEEE Transactions on Wireless Communications, 2020, 19, 808-821.	6.1	23
12	A Novel Approach for MBSFN Area Formation Aided by D2D Communications for eMBB Service Delivery in 5G NR Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 2058-2070.	3.9	18
13	Group-based delivery of critical traffic in cellular IoT networks. Computer Networks, 2020, 181, 107563.	3.2	1
14	Non-Terrestrial Networks in 5G & Beyond: A Survey. IEEE Access, 2020, 8, 165178-165200.	2.6	172
15	Optimal Placement of Social Digital Twins in Edge IoT Networks. Sensors, 2020, 20, 6181.	2.1	23
16	Challenges and Performance Evaluation of Multicast Transmission in 60ÂGHz mmWave. Communications in Computer and Information Science, 2020, , 3-17.	0.4	4
17	An RSA-based Algorithm for Secure D2D-aided Multicast Delivery of Multimedia Services. , 2020, , .		2
18	Frequency Reuse Techniques for eMBB Services over 5G Multi-Beam Non-Terrestrial Networks. , 2020, , .		1

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19	Analyzing Competition and Cooperation Dynamics of the Aerial mmWave Access Market. IEEE Access, 2019, 7, 87192-87211.	2.6	2
20	Sociocast: Design, Implementation and Experimentation of a New Communication Method for the Internet of Things. , 2019, , .		2
21	Sociocast: A New Network Primitive for IoT. IEEE Communications Magazine, 2019, 57, 62-67.	4.9	5
22	MEC Support for 5G-V2X Use Cases through Docker Containers. , 2019, , .		24
23	An Analytic Approach for Resource Allocation of IoT Multicast Traffic. , 2019, , .		1
24	Towards Software-defined Fog Computing via Named Data Networking. , 2019, , .		4
25	SDN-Managed Provisioning of Named Computing Services in Edge Infrastructures. IEEE Transactions on Network and Service Management, 2019, 16, 1464-1478.	3.2	18
26	Smart devices in the social loops: Criteria and algorithms for the creation of the social links. Future Generation Computer Systems, 2019, 97, 327-339.	4.9	17
27	Cognitive Management Strategies for Dynamic Spectrum Access. , 2019, , 533-567.		2
28	Virtualizing Nanosatellites in SDN/NFV Enabled Ground Segments to Enhance Service Orchestration. , 2019, , .		6
29	Performance Analysis of Paging Strategies and Data Delivery Approaches for Supporting Group-Oriented IoT Traffic in 5G Networks. , 2019, , .		4
30	An OMA Lightweight M2M-compliant MEC Framework to Track Multi-modal Commuters for MaaS Applications. , 2019, , .		2
31	A Social and Pervasive IoT Platform for Developing Smart Environments. Internet of Things, 2019, , 1-23.	1.3	4
32	Enhancing Identifier/Locator Splitting Through Social Internet of Things. IEEE Internet of Things Journal, 2019, 6, 2974-2985.	5.5	13
33	SDN&NFV contribution to IoT objects virtualization. Computer Networks, 2019, 149, 200-212.	3.2	25
34	A Hybrid Unicast-Multicast Network Selection for Video Deliveries in Dense Heterogeneous Network Environments. IEEE Transactions on Broadcasting, 2019, 65, 83-93.	2.5	37
35	Joint Device-to-Device and MBSFN Transmission for eMBB Service Delivery in 5G NR Networks. Lecture Notes in Computer Science, 2019, , 599-609.	1.0	0
36	Providing ultraâ€šshort latency to userâ€•centric 5G applications at the mobile network edge. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3169.	2.6	65

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37	Federated IoT services leveraging 5G technologies at the edge. Ad Hoc Networks, 2018, 68, 58-69.	3.4	37
38	Edge Computing and Social Internet of Things for Large-Scale Smart Environments Development. IEEE Internet of Things Journal, 2018, 5, 2557-2571.	5.5	61
39	Exploiting Multicast Subgrouping for Multi-Layer Video Services in 5G Satellite Networks. , 2018, , .		3
40	Enabling Trustworthy Multicast Wireless Services through D2D Communications in 5G Networks. Future Internet, 2018, 10, 66.	2.4	4
41	Social-IoT Enabled Identifier/Locator Splitting: Concept, Architecture, and Performance Evaluation. , 2018, , .		3
42	Enhance the protection of transmitted data in 5G D2D communications through the Social Internet of Things. , 2018, , .		3
43	Slicing on the Road: Enabling the Automotive Vertical through 5G Network Softwarization. Sensors, 2018, 18, 4435.	2.1	32
44	Exploiting Social Ties at the Mobile Edge through Named Data Networking. , 2018, , .		1
45	Resource Balancing of Unicast and Multicast Wireless Multimedia Services in 5G Networks. , 2018, , .		0
46	Towards 5G Network Slicing for the V2X Ecosystem. , 2018, , .		45
47	Energy-Efficient Multicast Service Delivery Exploiting Single Frequency Device-To-Device Communications in 5G New Radio Systems. Sensors, 2018, 18, 2205.	2.1	5
48	A reference framework for social-enhanced Vehicle-to-Everything communications in 5G scenarios. Computer Networks, 2018, 143, 140-152.	3.2	20
49	Leveraging social notions to improve ID-to-locator mapping in IoT Identity Oriented Networks. , 2018, , .		3
50	Delivering Multimedia Services in MBSFN Areas Over 5G Networks: A Performance Analysis. , 2018, , .		4
51	Context-Aware Information Diffusion for Alerting Messages in 5G Mobile Social Networks. IEEE Internet of Things Journal, 2017, 4, 427-436.	5.5	31
52	MIFaaS: A Mobile-IoT-Federation-as-a-Service Model for dynamic cooperation of IoT Cloud Providers. Future Generation Computer Systems, 2017, 70, 126-137.	4.9	51
53	Effects of Heterogeneous Mobility on D2D- and Drone-Assisted Mission-Critical MTC in 5G. , 2017, 55, 79-87.		124
54	Multicasting over Emerging 5G Networks: Challenges and Perspectives. IEEE Network, 2017, 31, 80-89.	4.9	109

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55	Evaluating Performance of Containerized IoT Services for Clustered Devices at the Network Edge. IEEE Internet of Things Journal, 2017, 4, 1019-1030.	5.5	94
56	Understanding the Internet of Things: definition, potentials, and societal role of a fast evolving paradigm. Ad Hoc Networks, 2017, 56, 122-140.	3.4	396
57	Optimal subgroup configuration for multicast services over 5G-satellite systems. , 2017, , .		12
58	A hybrid unicast-multicast utility-based network selection algorithm. , 2017, , .		1
59	Federations of connected things for delay-sensitive IoT services in 5G environments. , 2017, , .		6
60	Lightweight service replication for ultra-short latency applications in mobile edge networks. , 2017, , .		29
61	Novel D2D-based relaying method for multicast services over 3GPP LTE-A systems. , 2017, , .		3
62	6lo-RFID: A Framework for Full Integration of Smart UHF RFID Tags into the Internet of Things. IEEE Network, 2017, 31, 66-73.	4.9	21
63	Navigability in Social Networks of Objects: The Importance of Friendship Type and Nodes' Distance. , 2017, , .		9
64	5G Network Slicing for Vehicle-to-Everything Services. IEEE Wireless Communications, 2017, 24, 38-45.	6.6	226
65	An edge-based approach to develop large-scale smart environments by leveraging SIoT. , 2017, , .		4
66	Analytical model for multicast subgrouping in 5G-mobile eMBMS environment. , 2017, , .		3
67	OpenStack Extension for Fog-Powered Personal Services Deployment. , 2017, , .		5
68	NB-IoT for D2D-Enhanced Content Uploading with Social Trustworthiness in 5G Systems â€. Future Internet, 2017, 9, 31.	2.4	34
69	Comparing Customer Taste Distributions in Vertically Differentiated Mobile Service Markets. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 141-153.	0.2	1
70	Design and Implementation of a CoAP-Compliant Solution for RFID Inclusion in the Internet of Things. Journal of Sensor and Actuator Networks, 2016, 5, 16.	2.3	0
71	Energy Efficient IoT Data Collection in Smart Cities Exploiting D2D Communications. Sensors, 2016, 16, 836.	2.1	74
72	Trusted D2D-based data uploading in in-band narrowband-IoT with social awareness. , 2016, , .		15

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73	Multimedia content diffusion approach for emerging 5G mobile social networks. , 2016, , .		0
74	Enhancing the navigability in a social network of smart objects: A Shapley-value based approach. Computer Networks, 2016, 103, 1-14.	3.2	44
75	Trust-based and social-aware coalition formation game for multihop data uploading in 5G systems. Computer Networks, 2016, 111, 141-151.	3.2	79
76	A Unified Approach for Efficient Delivery of Unicast and Multicast Wireless Video Services. IEEE Transactions on Wireless Communications, 2016, 15, 8063-8076.	6.1	23
77	Mobility-aware energy-quality trade-off for video delivery in dense heterogeneous networks. , 2016, , .		4
78	Toward trusted, social-aware D2D connectivity: bridging across the technology and sociality realms. IEEE Wireless Communications, 2016, 23, 103-111.	6.6	55
79	A low computational-cost subgrouping multicast scheme for emerging 5G-satellite networks. , 2016, , .		11
80	Recharging versus replacing sensor nodes using mobile robots for network maintenance. Telecommunication Systems, 2016, 63, 625-642.	1.6	20
81	Assessing the Performance of a Novel Tag-based Reader-to-Reader Communication Paradigm under Noisy Channel Conditions. IEEE Transactions on Wireless Communications, 2016, , 1-1.	6.1	2
82	Information-centric networking for the internet of things: challenges and opportunities. IEEE Network, 2016, 30, 92-100.	4.9	246
83	Virtual code resource allocation for energy-aware MTC access over 5G systems. Ad Hoc Networks, 2016, 43, 3-15.	3.4	12
84	A Constrained Coalition Formation Game for Multihop D2D Content Uploading. IEEE Transactions on Wireless Communications, 2016, 15, 2012-2024.	6.1	49
85	Multicast Resource Allocation Enhanced by Channel State Feedbacks for Multiple Scalable Video Coding Streams in LTE Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 2907-2921.	3.9	52
86	Tag-based cooperative data gathering and energy recharging in wide area RFID sensor networks. Ad Hoc Networks, 2016, 36, 214-228.	3.4	21
87	Enhanced C-RAN Architecture Supporting SDN and NFV Functionalities for D2D Communications. Communications in Computer and Information Science, 2016, , 3-12.	0.4	3
88	Federated edge-assisted mobile clouds for service provisioning in heterogeneous IoT environments. , 2015, , .		20
89	A Novel Approach for Unicast and Multicast Traffic Management in Wireless Networks. , 2015, , .		2
90	Enabling communication among smart tags in an UHF RFID Local Area Network. , 2015, , .		1

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91	Social Virtual Objects in the Edge Cloud. IEEE Cloud Computing, 2015, 2, 20-28.	5.3	47
92	Taking the SIoT down from the cloud: Integrating the Social Internet of Things in the INPUT architecture. , 2015, , .		11
93	Overlapping coalitions for D2D-supported data uploading in LTE-A systems. , 2015, , .		9
94	Evaluating the performance of multicast resource allocation policies over LTE systems. , 2015, , .		9
95	A Solution to the Multicast Subgroup Formation Problem in LTE Systems. IEEE Wireless Communications Letters, 2015, 4, 149-152.	3.2	29
96	Effective RAT Selection Approach for 5G Dense Wireless Networks. , 2015, , .		34
97	Single Frequency-Based Device-to-Device-Enhanced Video Delivery for Evolved Multimedia Broadcast and Multicast Services. IEEE Transactions on Broadcasting, 2015, 61, 263-278.	2.5	72
98	Using a distributed Shapley-value based approach to ensure navigability in a social network of smart objects. , 2015, , .		10
99	Information Centric Networking in IoT scenarios: The case of a smart home. , 2015, , .		59
100	Effective resource allocation in 5G-satellite networks. , 2015, , .		13
101	Efficient spectrum management exploiting D2D communication in 5G systems. , 2015, , .		10
102	Radio Resource Management for Group-Oriented Services in LTE-A. IEEE Transactions on Vehicular Technology, 2015, 64, 3725-3739.	3.9	21
103	On the management of unicast and multicast services in LTE networks. , 2015, , .		2
104	When D2D communication improves group oriented services in beyond 4G networks. Wireless Networks, 2015, 21, 1363-1377.	2.0	26
105	Device-to-Device Communications for 5G Internet of Things. EAI Endorsed Transactions on Internet of Things, 2015, 1, 150598.	0.9	70
106	Performance assessment of an enhanced RFID sensor tag for long-run sensing applications. , 2014, , .		13
107	Named data networking for IoT: An architectural perspective. , 2014, , .		114
108	Performance evaluation of RFID tag-based â€œvirtualâ€•communication channels. , 2014, , .		3

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109	Energy-Saving Analysis in Cellularâ€“WLAN Cooperative Scenarios. IEEE Transactions on Vehicular Technology, 2014, 63, 478-484.	3.9	14
110	From "smart objects" to "social objects": The next evolutionary step of the internet of things. , 2014, 52, 97-105.		431
111	Energy efficient handover algorithm for green radio networks. , 2014, , .		10
112	Supporting augmented floating car data through smartphone-based crowd-sensing. Vehicular Communications, 2014, 1, 181-196.	2.7	19
113	Power consumption model using green policies in Heterogeneous Networks. , 2014, , .		4
114	A systemic and cognitive approach for IoT security. , 2014, , .		39
115	OpenFlow over wireless networks: Performance analysis. , 2014, , .		29
116	Wi-Fi cooperation or D2D-based multicast content distribution in LTE-A: A comparative analysis. , 2014, , .		34
117	A Low-Complexity Resource Allocation Algorithm for Multicast Service Delivery in OFDMA Networks. IEEE Transactions on Broadcasting, 2014, 60, 358-369.	2.5	34
118	Smart things in the social loop: Paradigms, technologies, and potentials. Ad Hoc Networks, 2014, 18, 121-132.	3.4	55
119	LTE for vehicular networking: a survey. , 2013, 51, 148-157.		627
120	A fair cooperative content-sharing service. Computer Networks, 2013, 57, 1955-1973.	3.2	21
121	Adaptive Resource Allocation to Multicast Services in LTE Systems. IEEE Transactions on Broadcasting, 2013, 59, 658-664.	2.5	82
122	Multicast service delivery solutions in LTE-Advanced systems. , 2013, , .		21
123	Exploiting frequency-selectivity in real-time multicast services over LTE networks. , 2013, , .		4
124	On the impact of frequency selectivity on multicast subgroup formation in 4G networks. , 2013, , .		8
125	Introducing a Novel "Virtual Communication Channel" into RFID Ecosystems for IoT. IEEE Communications Letters, 2013, 17, 1532-1535.	2.5	13
126	Low complexity subgroup formation in LTE systems. , 2013, , .		6

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127	Multicasting in LTE-A networks enhanced by device-to-device communications. , 2013, , .		22
128	SALICE project: Satellite-Assisted Localization and Communication Systems for Emergency Services. IEEE Aerospace and Electronic Systems Magazine, 2013, 28, 4-15.	2.3	28
129	A novel paradigm to exchange data in RFID piconets. , 2013, , .		7
130	How often social objects meet each other? Analysis of the properties of a social network of IoT devices based on real data. , 2013, , .		15
131	A Game Theoretic Approach to Guarantee Fairness in Cooperation Among Green Mobile Network Operators. International Journal of Business Data Communications and Networking, 2013, 9, 1-15.	1.2	1
132	Efficient Frequency Domain Packet scheduler for Point-to-Multipoint transmissions in LTE networks. , 2012, , .		29
133	Adopting bargaining solutions for Bluetooth-based user cooperation. , 2012, , .		4
134	A subjective model for trustworthiness evaluation in the social Internet of Things. , 2012, , .		121
135	Improving Service Management in the Internet of Things. Sensors, 2012, 12, 11888-11909.	2.1	14
136	Adaptive multicast scheduling for HSDPA networks in mobile scenarios. , 2012, , .		10
137	SMaRTCaR: An integrated smartphone-based platform to support traffic management applications. , 2012, , .		35
138	The Social Internet of Things (SIoT) â€“ When social networks meet the Internet of Things: Concept, architecture and network characterization. Computer Networks, 2012, 56, 3594-3608.	3.2	1,041
139	Bargaining Solutions for Multicast Subgroup Formation in LTE. , 2012, , .		14
140	Scenario-adaptive and gain-aware content sharing policies for cooperative wireless environments. Computer Communications, 2012, 35, 1259-1271.	3.1	13
141	Performance Analysis of Satellite-HSDPA Transmissions in Emergency Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2011, , 40-49.	0.2	0
142	Optimizing point-to-multipoint transmissions in High Speed Packet Access networks. , 2011, , .		10
143	SIoT: Giving a Social Structure to the Internet of Things. IEEE Communications Letters, 2011, 15, 1193-1195.	2.5	488
144	Making a mesh router/gateway from a smartphone: Is that a practical solution?. Ad Hoc Networks, 2011, 9, 1414-1429.	3.4	10

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145	Group Interactions in Wireless Cooperative Networks. , 2011, , .		6
146	A Satellite-LTE Network with Delay-Tolerant Capabilities: Design and Performance Evaluation. , 2011, , .		28
147	Data seeding in nomadic cooperative groups. , 2011, , .		4
148	Fair Cost Allocation in Cellular-Bluetooth Cooperation Scenarios. IEEE Transactions on Wireless Communications, 2011, 10, 2566-2576.	6.1	24
149	DVB-H Systems: Quality-Based Active Handoff Assisted by UMTS Return Channels. Wireless Personal Communications, 2010, 54, 137-153.	1.8	1
150	Network coding and evolutionary theory for performance enhancement in wireless cooperative clusters. European Transactions on Telecommunications, 2010, 21, 725-737.	1.2	18
151	The Internet of Things: A survey. Computer Networks, 2010, 54, 2787-2805.	3.2	11,690
152	Effective service delivery and group management in integrated terrestrialâ€HAP systems for multicast communications. Wireless Communications and Mobile Computing, 2010, 10, 1173-1185.	0.8	3
153	On Potentials and Limitations of a Hybrid WLAN-RFID Indoor Positioning Technique. International Journal of Navigation and Observation, 2010, 2010, 1-11.	0.8	17
154	The Internet of things [Guest Editorial]. IEEE Wireless Communications, 2010, 17, 8-9.	6.6	135
155	AMC and channel-awareness for QoS-based scheduler design in WiMAX networks. , 2010, , .		2
156	A Genetic Algorithm for Source Election in Cooperative Clusters Implementing Network Coding. , 2010, , .		10
157	A Cooperative Framework for Reliable Multicast Forwarding in Mobile Ad Hoc NETworks. , 2010, , .		2
158	On the optimization of power assignment to support multicast applications in HAP-based systems. , 2010, , .		2
159	Hybrid System HAP-WiFi for Incident Area Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 436-450.	0.2	16
160	The Internet of Things: A survey. , 2010, 54, 2787-2787.		1
161	Cooperative terminals for Incident Area Networks. , 2009, , .		8
162	On the Performance of "Compensation-Based" and "Greedy" Scheduling Policies in IEEE 802.16 Networks. , 2009, , .		3

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163	Evolutionary theory for cluster head election in cooperative clusters implementing network coding. , 2009, , .		1
164	SINR-Based Transport Channel Selection for MBMS Applications. , 2009, , .		5
165	Integration of Ad-hoc Networks with infrastructured systems for multicast services provisioning. , 2009, , .		23
166	On the impact of the user terminal velocity on HSPA performance in MBMS multicast mode. , 2009, , .		2
167	Radio resource management policy for multicast transmissions in high altitude platforms. , 2009, , .		3
168	High Altitude Platforms: Radio Resource Management Policy for MBMS Applications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 85-93.	0.2	2
169	QoS and Fairness in WiMAX. Wireless Networks and Mobile Communications, 2009, , .	1.0	0
170	Experimental Missions in W-Band: A Small LEO Satellite Approach. IEEE Systems Journal, 2008, 2, 90-103.	2.9	37
171	Quality Based Handoff in DVB-H Systems Assisted by Cellular Network. IEEE Vehicular Technology Conference, 2008, , .	0.2	0
172	Localization Information Retrieval Exploiting Cooperation Among Mobile Devices. , 2008, , .		7
173	WAVE A2: WAVESat and LEO Mission Architectures. , 2008, , .		1
174	Dynamic bargaining of content shares in wireless cooperative systems. , 2008, , .		4
175	A Power Based Algorithm for Efficient Radio Resource Management Policy in Integrated Terrestrial/HAP MBMS Systems. , 2008, , .		1
176	Quality based Handoff Management in DVB-H Systems. , 2007, , .		2
177	Performance Evaluation of Active RFID Location Systems based on RF Power Measures. , 2007, , .		29
178	The Effect of Multicast User Number and Distribution on the Performance of RRM Policies in Terrestrial-HAP MBMS Systems. , 2007, , .		3
179	WAQM: managing QoS in wireless networks by means of an XML-based multiagent system. International Journal of Wireless and Mobile Computing, 2007, 2, 132.	0.1	2
180	Channel-Aware Scheduling for QoS and Fairness Provisioning in IEEE 802.16/WiMAX Broadband Wireless Access Systems. IEEE Network, 2007, 21, 34-41.	4.9	196

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181	Multicast in Terrestrial-HAP Systems: "User Number" vs. "User Distribution" Oriented RRM Policies. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	5
182	New Concept Platforms for QoS Management in Future Telecommunication Scenarios. International Journal of Wireless Information Networks, 2007, 14, 79-91.	1.8	2
183	On the Beneficial Effects of Cooperative Wireless Peer-to-Peer Networking. Signals and Communication Technology, 2007, , 97-109.	0.4	14
184	On the effects of channel error compensation on the WF2Q+ scheduling performance in IEEE 802.16/WiMAX networks. , 2007, , .		0
185	Coordinated Multihop Scheduling in IEEE802.11E Wireless Ad Hoc Networks. , 2006, , .		6
186	Location/situation-aware architecture for mobility management over heterogeneous networks. , 2006, , .		0
187	An Access Network Selection Algorithm Dynamically Adapted to User Needs and Preferences. , 2006, , .		25
188	Dimensioning and Effective Handling of Signalling Channels in a Multimedia GEO Satellite Platform. IEEE Transactions on Vehicular Technology, 2005, 54, 550-567.	3.9	0
189	802.11-Based Wireless-LAN and UMTS interworking: requirements, proposed solutions and open issues. Computer Networks, 2005, 47, 151-166.	3.2	16
190	A multi-agent system for managing the quality of service in telecommunications networks. Journal of Systems Science and Systems Engineering, 2005, 14, 129-158.	0.8	1
191	The Role of HAPs in Supporting Multimedia Broadcast and Multicast Services in Terrestrial-Satellite Integrated Systems. Wireless Personal Communications, 2005, 32, 195-213.	1.8	33
192	Providing Throughput Guarantees in 802.11e WLAN Through a Dynamic Priority Assignment Mechanism. Wireless Personal Communications, 2005, 34, 109-125.	1.8	12
193	Dynamic priority assignment in IEEE 802.11e ad-hoc networks. , 2005, , .		5
194	End-to-end QoS provisioning in 4G with mobile hotspots. IEEE Network, 2005, 19, 26-34.	4.9	23
195	The synergy of space and terrestrial communications in next-generation hybrid wireless systems. IEEE Wireless Communications, 2005, 12, 70-71.	6.6	0
196	The WAVE mission payload. , 2005, , .		12
197	Improving QoS and throughput in single- and multihop WLANs through dynamic traffic prioritization. IEEE Network, 2005, 19, 35-44.	4.9	31
198	QoS Guarantees in Heterogeneous Systems Consisting of IP Core Networks with Satellite Access. Mobile Networks and Applications, 2004, 9, 175-184.	2.2	1

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199	Introducing the Adaptive-QoS Idea into Multi-Tier UMTS Systems: The Lessons Learned. Wireless Personal Communications, 2003, 24, 141-169.	1.8	4
200	Call management based on the mobile terminal-peak velocity: Virtues and limitations in a two-tier cellular system. IEEE Transactions on Vehicular Technology, 2003, 52, 794-813.	3.9	10
201	Adaptively controlling the qos of multimedia wireless applications through "user profiling" techniques. IEEE Journal on Selected Areas in Communications, 2003, 21, 1546-1556.	9.7	34
202	QoS in next-generation wireless multimedia communications systems. IEEE Wireless Communications, 2003, 10, 6-7.	6.6	5
203	Managing IP traffic in radio access networks of next-generation mobile systems. IEEE Personal Communications, 2003, 10, 36-43.	4.5	3
204	Dedicated signalling channel vs random access signalling channel in satellites communications systems. , 2003, , .		3
205	Traffic management techniques to face the effects of intrinsic delays in geostationary satellite networks. IEEE Transactions on Wireless Communications, 2002, 1, 145-155.	6.1	18
206	Designing the interworking of terrestrial and satellite IP-based networks. , 2002, 40, 136-144.		20
207	Handoff management with mobility estimation in hierarchical systems. IEEE Transactions on Vehicular Technology, 2002, 51, 915-934.	3.9	23
208	Exploiting hierarchical terrestrial-satellite architectures to handle voice, symmetric data, and asymmetric data connections. Computer Networks, 2002, 38, 461-475.	3.2	0
209	IP with QoS guarantees via Geo satellite channels: performance issues. IEEE Personal Communications, 2001, 8, 14-19.	4.5	12
210	D-RMA: a dynamic reservation multiple-access protocol for third generation cellular systems. IEEE Transactions on Vehicular Technology, 2000, 49, 1599-1605.	3.9	8
211	Managing symmetric and asymmetric data traffic in integrated terrestrial-cellular and satellite systems. IEEE Personal Communications, 2000, 7, 56-64.	4.5	2
212	Call admission control and resource management issues for real-time VBR traffic in ATM-satellite networks. IEEE Journal on Selected Areas in Communications, 2000, 18, 2393-2403.	9.7	45
213	An Architectural Framework for Multimedia Integrated Wiredâ€Wireless Systems. European Transactions on Telecommunications, 1999, 10, 473-486.	1.2	2
214	QoS for multimedia applications in satellite systems. IEEE MultiMedia, 1999, 6, 46-53.	1.5	12
215	Wireless broadband applications: the teleservice model and adaptive QoS provisioning. , 1999, 37, 71-75.		11
216	A layered protocol architecture for multimedia wirelessâ€PCS networks. Mobile Networks and Applications, 1998, 3, 73-87.	2.2	3

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218	Synchronization Architecture for Multimedia Services in Mobile Radio Environments. International Journal of Wireless Information Networks, 1997, 4, 233-247.	1.8	3
219	Transport and control issues in multimedia wireless networks. Wireless Networks, 1996, 2, 249-261.	2.0	17
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