

# Vasileios Kokkinos

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

714  
citations

759233

12  
h-index

888059

17  
g-index

96  
all docs

96  
docs citations

96  
times ranked

506  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interference management in LTE femtocell systems using an adaptive frequency reuse scheme. , 2012, , .		37
2	Optimization of fractional frequency reuse in long term evolution networks. , 2012, , .		29
3	Application layer forward error correction for multicast streaming over LTE networks. International Journal of Communication Systems, 2013, 26, 1459-1474.	2.5	29
4	Efficient MCS selection for MBSFN transmissions over LTE networks. , 2010, , .		28
5	A simulation framework for LTE-A systems with femtocell overlays. , 2012, , .		28
6	Selecting the Optimal Fractional Frequency Reuse Scheme in Long Term Evolution Networks. Wireless Personal Communications, 2013, 71, 2693-2712.	2.7	28
7	Spectral efficiency performance of MBSFN-enabled LTE networks. , 2010, , .		26
8	Science parks and regional innovation performance in fiscal austerity era: Less is more?. Small Business Economics, 2016, 47, 313-330.	6.7	26
9	A Simulation Framework for Evaluating Interference Mitigation Techniques in Heterogeneous Cellular Environments. Wireless Personal Communications, 2014, 77, 1213-1237.	2.7	25
10	Communication cost analysis of MBSFN in LTE. , 2010, , .		24
11	Laser-induced breakdown spectroscopy coupled with machine learning as a tool for olive oil authenticity and geographic discrimination. Scientific Reports, 2021, 11, 5360.	3.3	21
12	Financing and Pricing Small Cells in Next-Generation Mobile Networks. Lecture Notes in Computer Science, 2014, , 41-54.	1.3	19
13	Modulation and coding scheme selection in multimedia broadcast over a single frequency network-enabled long-term evolution networks. International Journal of Communication Systems, 2012, 25, 1603-1619.	2.5	18
14	Techno-economic analysis of ultra-dense and DAS deployments in mobile 5G. , 2015, , .		18
15	Classification of Greek Olive Oils from Different Regions by Machine Learning-Aided Laser-Induced Breakdown Spectroscopy and Absorption Spectroscopy. Molecules, 2021, 26, 1241.	3.8	17
16	Performance evaluation of LTE for MBSFN transmissions. Wireless Networks, 2012, 18, 227-240.	3.0	14
17	Policy recommendations for public administrators on free and open source software usage. Telematics and Informatics, 2014, 31, 237-252.	5.8	14
18	Honey discrimination based on the bee feeding by Laser Induced Breakdown Spectroscopy. Food Control, 2022, 134, 108770.	5.5	14

#	ARTICLE	IF	CITATIONS
19	Interference behavior of integrated femto and macrocell environments. , 2011, , .		12
20	Evaluating RaptorQ FEC over 3GPP multicast services. , 2012, , .		12
21	A performance study of Fractional Frequency Reuse in OFDMA networks. , 2012, , .		12
22	Using LoRa Technology for IoT Monitoring Systems. , 2019, , .		12
23	Embracing RaptorQ FEC in 3GPP multicast services. <i>Wireless Networks</i> , 2013, 19, 1023-1035.	3.0	11
24	Methodology for Public Administrators for selecting between open source and proprietary software. <i>Telematics and Informatics</i> , 2013, 30, 100-110.	5.8	11
25	Power management over co-channel femtocells in LTE-A systems. , 2012, , .		10
26	Discrimination of olive oils based on the olive cultivar origin by machine learning employing the fusion of emission and absorption spectroscopic data. <i>Food Control</i> , 2021, 130, 108318.	5.5	10
27	Power saving techniques in mbms multicast mode. , 2007, , .		8
28	Enhancing FEC application in LTE cellular networks. , 2010, , .		7
29	An improved mechanism for multiple MBMS sessions assignment in B3G cellular networks. <i>Wireless Networks</i> , 2010, 16, 671-686.	3.0	7
30	Performance evaluation of LoraWan physical layer integration on IoT devices. , 2018, , .		7
31	A Laser-Based Method for the Detection of Honey Adulteration. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6435.	2.5	7
32	Power efficient radio bearer selection in mbms multicast mode. , 2007, , .		6
33	Optimizing Hybrid Access Femtocell Clusters in 5G Networks. , 2015, , .		6
34	Wireless crowdsourced performance monitoring and verification: WiFi performance measurement using end-user mobile device feedback. , 2016, , .		6
35	Combining MBSFN and PTM Transmission Schemes for Resource Efficiency in LTE Networks. <i>Lecture Notes in Computer Science</i> , 2011, , 56-67.	1.3	6
36	An enhanced mechanism for efficient assignment of multiple MBMS sessions towards LTE. , 2009, , .		5

#	ARTICLE	IF	CITATIONS
37	An enhanced MBMS power control mechanism towards Long Term Evolution. , 2009, , .		5
38	Genetic optimization for Spectral Efficient multicasting in LTE systems. , 2012, , .		5
39	Impact of broadband public infrastructures and services on SEE countries' economy. , 2013, , .		5
40	Efficient MCS selection mechanisms for multicasting over LTE networks. , 2013, , .		5
41	Deploying AL-FEC with Online Algorithms. , 2013, , .		5
42	MAES_GR: A Web-Based, Spatially Enabled Field Survey Platform for the MAES Implementation in Greece. Land, 2021, 10, 381.	2.9	5
43	A Simulation Framework for the Evaluation of Frequency Reuse in LTE-A Systems. International Journal of Wireless Networks and Broadband Technologies, 2014, 3, 56-83.	1.0	5
44	Evaluation of the Multicast Mode of MBMS. , 2007, , .		4
45	MBMS Power Planning in Macro and Micro Cell Environments. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	4
46	Efficient Assignment of Multiple MBMS Sessions in B3G Networks. , 2008, , .		4
47	Optimal MBMS Power Allocation Exploiting MIMO in LTE Networks. , 2009, , .		4
48	Enhancing reliable mobile multicasting with RaptorQ FEC. , 2012, , .		4
49	Cost optimization of MBSFN and PTM transmissions for reliable multicasting in LTE networks. Wireless Networks, 2012, 18, 277-293.	3.0	4
50	Evaluation of femtocells interference mitigation techniques over ICIC coordinated LTE-a networks. , 2013, , .		4
51	Transmission optimizing on dense femtocell deployments in 5G. International Journal of Communication Systems, 2016, 29, 2388-2402.	2.5	4
52	Geolocation analysis for Search And Rescue systems using LoRaWAN. International Journal of Communication Systems, 2020, 33, e4593.	2.5	4
53	Forward Error Correction for Reliable e-MBMS Transmissions in LTE Networks. , 0, , .		4
54	Reliable multicasting over LTE: A performance study. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
55	Optimizing the combination of MBSFN and PTM transmissions in LTE systems. , 2011, , .		3
56	Analyzing Small-Cells and Distributed Antenna Systems from Techno-Economic Perspective. International Journal of Wireless Networks and Broadband Technologies, 2017, 6, 45-64.	1.0	3
57	Multimedia Broadcasting in LTE Networks. , 0, , 269-289.		3
58	An online tool on sustainable water management. Tourism, 2020, 68, 450-465.	0.9	3
59	Performance evaluation of monitoring IoT systems using LoRaWan. Telecommunication Systems, 2022, 79, 295-308.	2.5	3
60	A novel mechanism for radio capacity maximization during MBMS transmissions in B3G networks. , 2008, , .		2
61	An Efficient Mechanism for Power Control Optimization in MBMS Enabled UTRAN. , 2009, , .		2
62	Evaluation of Different Power Saving Techniques for MBMS Services. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	2
63	Broadband and e-Government Services in South East Europe. International Journal of Interdisciplinary Telecommunications and Networking, 2014, 6, 39-56.	0.3	2
64	Femtocells coordination in future hybrid access deployments. , 2014, , .		2
65	Comparative analysis of broadband penetration and digital public services in South East Europe. , 2014, , .		2
66	Mobility-aware power control in MBSFN. Telecommunication Systems, 2016, 61, 77-91.	2.5	2
67	Real-Time Geolocation Approach through LoRa on Internet of Things. , 2021, , .		2
68	IoT Geolocation Performance Using LoRaWAN. Advances in Intelligent Systems and Computing, 2020, , 229-239.	0.6	2
69	A Mechanism for Improving the Spectral Efficiency in mu-MIMO for 5G and Beyond Networks. , 2021, , .		2
70	A mechanism for 5G MIMO performance optimization and evaluation. , 2021, , .		2
71	Exploiting MIMO Technology for Optimal MBMS Power Allocation. Wireless Personal Communications, 2011, 61, 447-464.	2.7	1
72	Comparison of Point to Point and MBSFN transmissions in Next Generation Mobile Networks. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
73	Utilization of hybrid access femtocells during multicast transmissions in mobile networks. , 2016, , .		1
74	WiFiMon app measuring Wi-Fi performance as experienced by end-users. , 2017, , .		1
75	Resource-Efficient Decoupling in Ultra-Dense 5G Networks. , 2019, , .		1
76	Time Difference of Arrival Localization Study for SAR Systems over LoRaWAN. Procedia Computer Science, 2020, 175, 292-299.	2.0	1
77	Economic Broadband Development through Infrastructure Sharing. International Journal of Business Data Communications and Networking, 2014, 10, 21-42.	0.7	1
78	Extension to Middleware for IoT Devices, with Applications in Smart Cities. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 112-118.	0.3	1
79	WiFiMon. International Journal of Wireless Networks and Broadband Technologies, 2019, 8, 1-18.	1.0	1
80	Balancing Between Power Optimization and Iub Efficiency in MBMS Enabled UMTS Networks. International Federation for Information Processing, 2008, , 355-368.	0.4	1
81	Power saving methods for MBMS transmissions in UTRAN. , 2008, , .		0
82	Evaluation of different radio bearer selection approaches for MBMS in B3G networks. , 2008, , .		0
83	Cost analysis and efficient radio bearer selection for multicasting over UMTS. Wireless Communications and Mobile Computing, 2009, 9, 1159-1172.	1.2	0
84	Efficient Assignment of Multiple E-MBMS Sessions towards LTE. IFIP Advances in Information and Communication Technology, 2009, , 240-250.	0.7	0
85	THE MULTIMEDIA BROADCAST/MULTICAST SERVICE OF THE UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM. , 2010, , 43-77.		0
86	Mobility-Sensitive Power Control for MBSFN Cellular Networks. , 2013, , .		0
87	Deploying AL-FEC protection with online algorithms for multicast services over cellular networks. Wireless Networks, 2014, 20, 2109-2122.	3.0	0
88	A novel tool for cost-efficient broadband development through infrastructure sharing. , 2015, , .		0
89	A mobile learning application for self-management of health and disease. , 2015, , .		0
90	MCS selection exploiting femtocell utilization in multicast transmissions. International Journal of Communication Systems, 2018, 31, e3585.	2.5	0

#	ARTICLE	IF	CITATIONS
91	A Resource-Efficient Approach on User Association in 5G Networks Using Downlink and Uplink Decoupling. International Journal of Wireless Networks and Broadband Technologies, 2020, 9, 43-59.	1.0	0
92	Efficient Power Allocation in E-MBMS Enabled 4G Networks. , 2010, , 458-488.		0
93	Efficient 5G Network Decoupling Using Dynamic Modulation and Coding Scheme Selection. Lecture Notes in Networks and Systems, 2020, , 253-265.	0.7	0
94	Using NOMA Scheme for the Management of Interference and the Improvement of Performance in 5G Networks. , 2021, , .		0