

# George K Karagiannidis

## List of Publications by Citations

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500  
papers

16,839  
citations

62  
h-index

112  
g-index

569  
ext. papers

20,868  
ext. citations

5.6  
avg, IF

7.38  
L-index

#	Paper	IF	Citations
500	A Survey on Non-Orthogonal Multiple Access for 5G Networks: Research Challenges and Future Trends. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2017</b> , 35, 2181-2195	14.2	1219
499	6G Wireless Networks: Vision, Requirements, Architecture, and Key Technologies. <i>IEEE Vehicular Technology Magazine</i> , <b>2019</b> , 14, 28-41	9.9	577
498	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2017</b> , 35, 1909-1935	14.2	486
497	Optical wireless links with spatial diversity over strong atmospheric turbulence channels. <i>IEEE Transactions on Wireless Communications</i> , <b>2009</b> , 8, 951-957	9.6	298
496	Efficient Machine Learning for Big Data: A Review. <i>Big Data Research</i> , <b>2015</b> , 2, 87-93	3.7	291
495	Optical Wireless Communications With Heterodyne Detection Over Turbulence Channels With Pointing Errors. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 4440-4445	4	291
494	A Minorization-Maximization Method for Optimizing Sum Rate in the Downlink of Non-Orthogonal Multiple Access Systems. <i>IEEE Transactions on Signal Processing</i> , <b>2016</b> , 64, 76-88	4.8	270
493	Bounds for multihop relayed communications in nakagami-m fading. <i>IEEE Transactions on Communications</i> , <b>2006</b> , 54, 18-22	6.9	267
492	On the performance analysis of digital communications over generalized-K fading channels. <i>IEEE Communications Letters</i> , <b>2006</b> , 10, 353-355	3.8	265
491	A Survey on Mobile Anchor Node Assisted Localization in Wireless Sensor Networks. <i>IEEE Communications Surveys and Tutorials</i> , <b>2016</b> , 18, 2220-2243	37.1	261
490	On the Performance of Non-orthogonal Multiple Access Systems With Partial Channel Information. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 654-667	6.9	243
489	Non-Orthogonal Multiple Access for Visible Light Communications. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 51-54	2.2	218
488	. <i>IEEE Transactions on Wireless Communications</i> , <b>2008</b> , 7, 3718-3724	9.6	215
487	BER Performance of FSO Links over Strong Atmospheric Turbulence Channels with Pointing Errors. <i>IEEE Communications Letters</i> , <b>2008</b> , 12, 44-46	3.8	213
486	$\mathcal{N}_{\text{ast}}$ Nakagami: A Novel Stochastic Model for Cascaded Fading Channels. <i>IEEE Transactions on Communications</i> , <b>2007</b> , 55, 1453-1458	6.9	208
485	Wireless-Powered Communications With Non-Orthogonal Multiple Access. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 8422-8436	9.6	183
484	Big Data Analytics for Dynamic Energy Management in Smart Grids. <i>Big Data Research</i> , <b>2015</b> , 2, 94-101	3.7	180

483	Secure Multiple Amplify-and-Forward Relaying With Cochannel Interference. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2016</b> , 10, 1494-1505	7.5	176
482	Secrecy Cooperative Networks With Outdated Relay Selection Over Correlated Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 7599-7603	6.8	168
481	On the Security of Cognitive Radio Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 3790-3795	6.7	161
480	Amplify-and-Forward Relay Selection with Outdated Channel Estimates. <i>IEEE Transactions on Communications</i> , <b>2012</b> , 60, 1278-1290	6.9	161
479	An Improved Approximation for the Gaussian Q-Function. <i>IEEE Communications Letters</i> , <b>2007</b> , 11, 644-646	6.8	156
478	Gaussian class multivariate Weibull distributions: theory and applications in fading channels. <i>IEEE Transactions on Information Theory</i> , <b>2005</b> , 51, 3608-3619	2.8	152
477	Internet of Things (IoT) and Agricultural Unmanned Aerial Vehicles (UAVs) in smart farming: A comprehensive review. <i>Internet of Things (Netherlands)</i> , <b>2020</b> , 100187	6.9	141
476	Closed-form statistics for the sum of squared Nakagami-m variates and its applications. <i>IEEE Transactions on Communications</i> , <b>2006</b> , 54, 1353-1359	6.9	137
475	On the multivariate Nakagami-m distribution with exponential correlation. <i>IEEE Transactions on Communications</i> , <b>2003</b> , 51, 1240-1244	6.9	136
474	Secure Multiple Amplify-and-Forward Relaying Over Correlated Fading Channels. <i>IEEE Transactions on Communications</i> , <b>2017</b> , 65, 2811-2820	6.9	129
473	Wireless Information and Power Transfer in Relay Systems With Multiple Antennas and Interference. <i>IEEE Transactions on Communications</i> , <b>2015</b> , 63, 1400-1418	6.9	115
472	Multuser Relaying over Mixed RF/FSO Links. <i>IEEE Transactions on Communications</i> , <b>2014</b> , 62, 1634-1645	6.9	107
471	Relay Selection Protocols for Relay-Assisted Free-Space Optical Systems. <i>Journal of Optical Communications and Networking</i> , <b>2013</b> , 5, 92	4.1	105
470	Fairness of User Clustering in MIMO Non-Orthogonal Multiple Access Systems. <i>IEEE Communications Letters</i> , <b>2016</b> , 1-1	3.8	105
469	. <i>IEEE Transactions on Communications</i> , <b>2004</b> , 52, 685-690	6.9	103
468	Charging Schemes for Plug-In Hybrid Electric Vehicles in Smart Grid: A Survey. <i>IEEE Access</i> , <b>2016</b> , 4, 6846-6875	5.75	102
467	Joint Estimation of Channel and Oscillator Phase Noise in MIMO Systems. <i>IEEE Transactions on Signal Processing</i> , <b>2012</b> , 60, 4790-4807	4.8	101
466	The Fisher-Bnedecor $\{F\}$ Distribution: A Simple and Accurate Composite Fading Model. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 1661-1664	3.8	100

465	Secure Multiuser Communications in Multiple Amplify-and-Forward Relay Networks. <i>IEEE Transactions on Communications</i> , <b>2014</b> , 62, 3299-3310	6.9	100
464	On the Distribution of the Sum of Gamma-Gamma Variates and Applications in RF and Optical Wireless Communications. <i>IEEE Transactions on Communications</i> , <b>2011</b> , 59, 1298-1308	6.9	99
463	Nonregenerative Dual-Hop Cooperative Links with Selection Diversity. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2006</b> , 2006, 1	3.2	99
462	An efficient approach to multivariate Nakagami-m distribution using Green's matrix approximation. <i>IEEE Transactions on Wireless Communications</i> , <b>2003</b> , 2, 883-889	9.6	99
461	Two hop amplify-and-forward transmission in mixed rayleigh and rician fading channels. <i>IEEE Communications Letters</i> , <b>2009</b> , 13, 227-229	3.8	96
460	On the Application of Quasi-Degradation to MISO-NOMA Downlink. <i>IEEE Transactions on Signal Processing</i> , <b>2016</b> , 64, 6174-6189	4.8	96
459	On the Performance of Visible Light Communication Systems With Non-Orthogonal Multiple Access. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 6350-6364	9.6	95
458	Channel capacity and second-order statistics in Weibull fading. <i>IEEE Communications Letters</i> , <b>2004</b> , 8, 377-379	3.8	94
457	Wireless-Powered Communications: Performance Analysis and Optimization. <i>IEEE Transactions on Communications</i> , <b>2015</b> , 63, 5178-5190	6.9	92
456	Multihop Free-Space Optical Communications Over Strong Turbulence Channels <b>2006</b> ,		91
455	Mixed RF/FSO Relaying With Outdated Channel State Information. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2015</b> , 33, 1935-1948	14.2	90
454	Outage Performance of Cognitive Relay Networks With Wireless Information and Power Transfer. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 3828-3833	6.8	83
453	Multiuser and Multirelay Cognitive Radio Networks Under Spectrum-Sharing Constraints. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 63, 433-439	6.8	83
452	Performance analysis of the dual-hop asymmetric fading channel. <i>IEEE Transactions on Wireless Communications</i> , <b>2009</b> , 8, 2783-2788	9.6	82
451	Secure Communications in NOMA System: Subcarrier Assignment and Power Allocation. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2018</b> , 36, 1441-1452	14.2	80
450	Wireless Networks with Energy Harvesting and Power Transfer: Joint Power and Time Allocation. <i>IEEE Signal Processing Letters</i> , <b>2016</b> , 23, 50-54	3.2	79
449	Diversity Combining in Hybrid RF/FSO Systems with PSK Modulation <b>2011</b> ,		79
448	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 214-225	6.8	78

447	Performance analysis of dual selection diversity in correlated Weibull fading channels. <i>IEEE Transactions on Communications</i> , <b>2004</b> , 52, 1063-1067	6.9	78
446	Generalized Maximum-Likelihood Sequence Detection for Photon-Counting Free Space Optical Systems. <i>IEEE Transactions on Communications</i> , <b>2010</b> , 58, 3381-3385	6.9	73
445	Exploiting Direct Links for Physical Layer Security in Multiuser Multirelay Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 3856-3867	9.6	71
444	New results for the Shannon channel capacity in generalized fading channels. <i>IEEE Communications Letters</i> , <b>2005</b> , 9, 97-99	3.8	70
443	RF-powered cognitive radio networks: technical challenges and limitations <b>2015</b> , 53, 94-100		69
442	Adaptive Subcarrier PSK Intensity Modulation in Free Space Optical Systems. <i>IEEE Transactions on Communications</i> , <b>2011</b> , 59, 1368-1377	6.9	68
441	Resource Allocation in NOMA-Based Fog Radio Access Networks. <i>IEEE Wireless Communications</i> , <b>2018</b> , 25, 110-115	13.4	66
440	. <i>IEEE Transactions on Communications</i> , <b>2013</b> , 61, 3156-3169	6.9	66
439	Selection diversity receivers over nonidentical Weibull fading channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2005</b> , 54, 2146-2151	6.8	66
438	. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 4854-4876	6.9	62
437	BER analysis of collaborative dual-hop wireless transmissions. <i>Electronics Letters</i> , <b>2004</b> , 40, 679	1.1	62
436	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 12373-12378	6.8	62
435	Partial Relay Selection With Outdated Channel State Estimation in Mixed RF/FSO Systems. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 2860-2867	4	61
434	Full-Duplex Two-Way and One-Way Relaying: Average Rate, Outage Probability, and Tradeoffs. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 3920-3933	9.6	61
433	On the Design of Multiuser Codebooks for Uplink SCMA Systems. <i>IEEE Communications Letters</i> , <b>2016</b> , 20, 1920-1923	3.8	60
432	Effect of Feedback Delay on Amplify-and-Forward Relay Networks With Beamforming. <i>IEEE Transactions on Vehicular Technology</i> , <b>2011</b> , 60, 1265-1271	6.8	60
431	Simultaneous Lightwave Information and Power Transfer (SLIPT). <i>IEEE Transactions on Green Communications and Networking</i> , <b>2018</b> , 2, 764-773	4	59
430	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 7495-7505	6.8	58

429	A Survey on Ultraviolet C-Band (UV-C) Communications. <i>IEEE Communications Surveys and Tutorials</i> , <b>2019</b> , 21, 2111-2133	37.1	58
428	Performance analysis of SIR-based dual selection diversity over correlated Nakagami-m fading channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2003</b> , 52, 1207-1216	6.8	57
427	. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 7672-7685	6.9	56
426	Outage probability of relayed free space optical communication systems. <i>Electronics Letters</i> , <b>2006</b> , 42, 994	1.1	56
425	Energy Efficient Resource Management in SWIPT Enabled Heterogeneous Networks With NOMA. <i>IEEE Transactions on Wireless Communications</i> , <b>2020</b> , 19, 835-845	9.6	56
424	On the Monotonicity of the Generalized Marcum and Nuttall $\mathcal{Q}$ -Functions. <i>IEEE Transactions on Information Theory</i> , <b>2009</b> , 55, 3701-3710	2.8	55
423	Physical Layer Security Jamming: Theoretical Limits and Practical Designs in Wireless Networks. <i>IEEE Access</i> , <b>2017</b> , 5, 3603-3611	3.5	54
422	. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 6843-6856	9.6	54
421	On the symbol error probability of general order rectangular qam in nakagami-m fading. <i>IEEE Communications Letters</i> , <b>2006</b> , 10, 745-747	3.8	52
420	PHY-layer Fairness in Amplify and Forward Cooperative Diversity Systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2008</b> , 7, 1073-1082	9.6	51
419	Performance analysis of triple selection diversity over exponentially correlated Nakagami-m fading channels. <i>IEEE Transactions on Communications</i> , <b>2003</b> , 51, 1245-1248	6.9	51
418	On the performance analysis of equal-gain diversity receivers over generalized gamma fading channels. <i>IEEE Transactions on Wireless Communications</i> , <b>2006</b> , 5, 2967-2975	9.6	50
417	Infinite-series representations associated with the bivariate rician distribution and their applications. <i>IEEE Transactions on Communications</i> , <b>2005</b> , 53, 1790-1794	6.9	50
416	UAV-to-Ground Communications: Channel Modeling and UAV Selection. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 5135-5144	6.9	48
415	Closed-form error analysis of the non-identical Nakagami-m relay fading channel. <i>IEEE Communications Letters</i> , <b>2008</b> , 12, 259-261	3.8	48
414	Equal-gain and maximal-ratio combining over nonidentical Weibull fading channels. <i>IEEE Transactions on Wireless Communications</i> , <b>2005</b> , 4, 841-846	9.6	48
413	Secure Switch-and-Stay Combining (SSSC) for Cognitive Relay Networks. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 70-82	6.9	47
412	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 8878-8894	6.8	47

411	Performance analysis of switched diversity receivers in Weibull fading. <i>Electronics Letters</i> , <b>2003</b> , 39, 1472-1474	4.1	47
410	Energy Detection Spectrum Sensing Under RF Imperfections. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 2754-2766	6.9	47
409	A Unified Spatial Framework for UAV-Aided MmWave Networks. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 8801-8817	6.9	46
408	Joint Downlink/Uplink Design for Wireless Powered Networks With Interference. <i>IEEE Access</i> , <b>2017</b> , 5, 1534-1547	3.5	45
407	On the second order statistics of the multihop rayleigh fading channel. <i>IEEE Transactions on Communications</i> , <b>2009</b> , 57, 1815-1823	6.9	45
406	Fourth-Order Statistics for Blind Classification of Spatial Multiplexing and Alamouti Space-Time Block Code Signals. <i>IEEE Transactions on Communications</i> , <b>2013</b> , 61, 2420-2431	6.9	44
405	Performance analysis of switched diversity receivers in Weibull fading. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 1590-1596	4	44
404	On the Capacity of Generalized- $\alpha$ - $\beta$ Fading MIMO Channels. <i>IEEE Transactions on Signal Processing</i> , <b>2010</b> , 58, 5939-5944	4.8	44
403	Optimal Resource Allocation for Delay Minimization in NOMA-MEC Networks. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 7867-7881	6.9	43
402	Multiple Access for Visible Light Communications: Research Challenges and Future Trends. <i>IEEE Access</i> , <b>2018</b> , 6, 26167-26174	3.5	43
401	Joint Multiuser Detection of Multidimensional Constellations Over Fading Channels. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 1-1	6.9	41
400	Semi-blind amplify-and-forward with partial relay selection. <i>Electronics Letters</i> , <b>2009</b> , 45, 317	1.1	41
399	Performance analysis of switched diversity receivers in Weibull fading. <i>IEEE Transactions on Communications</i> , <b>2010</b> , 58, 2402-2412	6.9	41
398	Level crossing rate and average fade duration of the double Nakagami-m random process and application in MIMO keyhole fading channels. <i>IEEE Communications Letters</i> , <b>2008</b> , 12, 822-824	3.8	41
397	Performance analysis of switched diversity receivers in Weibull fading. <i>IEEE Transactions on Communications</i> , <b>2011</b> , 59, 1591-1603	6.9	40
396	Two-relay distributed switch and stay combining. <i>IEEE Transactions on Communications</i> , <b>2008</b> , 56, 1790-1804	3.9	40
395	Distributed Switch and Stay Combining (DSSC) with a Single Decode and Forward Relay. <i>IEEE Communications Letters</i> , <b>2007</b> , 11, 408-410	3.8	40
394	Hybrid millimeter-wave systems: a novel paradigm for hetnets <b>2015</b> , 53, 216-221		39

393	. <i>IEEE Transactions on Information Theory</i> , <b>2014</b> , 60, 7798-7823	2.8	39
392	Distributed Secure Switch-and-Stay Combining Over Correlated Fading Channels. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2019</b> , 14, 2088-2101	8	39
391	Non-Orthogonal Multiple Access for Cooperative Multicast Millimeter Wave Wireless Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2017</b> , 35, 1794-1808	14.2	38
390	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 8309-8321	6.8	38
389	BER performance of dual predetection EGC in correlative Nakagami-m fading. <i>IEEE Transactions on Communications</i> , <b>2004</b> , 52, 50-53	6.9	38
388	Dynamic Offloading for Multiuser Multi-CAP MEC Networks: A Deep Reinforcement Learning Approach. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 2922-2927	6.8	38
387	Hybrid NOMA/OMA With Buffer-Aided Relay Selection in Cooperative Networks. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2019</b> , 13, 524-537	7.5	37
386	Maximizing Proportional Fairness in Wireless Powered Communications. <i>IEEE Wireless Communications Letters</i> , <b>2017</b> , 6, 202-205	5.9	36
385	Optimum Wirelessly Powered Relaying. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 1-1	3.2	36
384	Satellite Communications: Research Trends and Open Issues <b>2007</b> ,		36
383	A Comprehensive Analysis of the Achievable Channel Capacity in $\mathcal{F}$ Composite Fading Channels. <i>IEEE Access</i> , <b>2019</b> , 7, 34078-34094	3.5	36
382	Two-Timeslot Two-Way Full-Duplex Relaying for 5G Wireless Communication Networks. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 2873-2887	6.9	35
381	Novel Approximations to the Statistics of Products of Independent Random Variables and Their Applications in Wireless Communications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2012</b> , 61, 443-454	6.8	35
380	Generic Ergodic Capacity Bounds for Fixed-Gain AF Dual-Hop Relaying Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2011</b> , 60, 3814-3824	6.8	35
379	Full-Duplex Spectrum Sharing in Cooperative Single Carrier Systems. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2016</b> , 2, 68-82	6.6	35
378	On the Multivariate Gamma-Gamma Distribution With Arbitrary Correlation and Applications in Wireless Communications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 3834-3840	6.8	34
377	Spectrum Sensing in Full-Duplex Cognitive Radio Networks Under Hardware Imperfections. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 2072-2084	6.8	33
376	Simultaneous Lightwave Information and Power Transfer: Policies, Techniques, and Future Directions. <i>IEEE Access</i> , <b>2019</b> , 7, 28250-28257	3.5	33



375	OFDM Opportunistic Relaying Under Joint Transmit/Receive I/Q Imbalance. <i>IEEE Transactions on Communications</i> , <b>2014</b> , 62, 1458-1468	6.9	33
374	Equal gain combining over Nakagami-n (rice) and Nakagami-q (Hoyt) generalized fading channels. <i>IEEE Transactions on Wireless Communications</i> , <b>2005</b> , 4, 374-379	9.6	33
373	Statistical Modeling of the FSO Fronthaul Channel for UAV-Based Communications. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 3720-3736	6.9	32
372	On the average output SNR in selection combining with three correlated branches over Nakagami-m fading channels. <i>IEEE Transactions on Wireless Communications</i> , <b>2004</b> , 3, 25-28	9.6	32
371	Performance analysis of a class of GSC receivers over nonidentical Weibull fading channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2005</b> , 54, 1963-1970	6.8	32
370	Analyzing Grant-Free Access for URLLC Service. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2021</b> , 39, 741-755	14.2	31
369	Energy-Efficient Device Discovery in D2D Cellular Networks for Public Safety Scenario. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 2716-2719	4.3	30
368	Transmit Antenna Selection in Cognitive MIMO Relaying With Multiple Primary Transceivers. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 483-489	6.8	30
367	MU-MIMO precoding for VLC with imperfect CSI <b>2015</b> ,		30
366	Amplify-and-Forward Relay Selection with Outdated Channel State Information <b>2010</b> ,		30
365	A New Lower Bound on the Ergodic Capacity of Distributed MIMO Systems. <i>IEEE Signal Processing Letters</i> , <b>2011</b> , 18, 227-230	3.2	30
364	Effective Rate of MISO Systems Over Fisher-Bnedecor $\mathcal{F}$ Fading Channels. <i>IEEE Communications Letters</i> , <b>2018</b> , 22, 2619-2622	3.8	30
363	Energy-Efficient Resource Allocation in Multicarrier NOMA Systems With Fairness. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 8639-8654	6.9	29
362	Slotted ALOHA With NOMA for the Next Generation IoT. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 6289-6301	6.9	29
361	Dual Relay Selection for Cooperative NOMA With Distributed Space Time Coding. <i>IEEE Access</i> , <b>2018</b> , 6, 20440-20450	3.5	29
360	Learning-Based Signal Detection for MIMO Systems With Unknown Noise Statistics. <i>IEEE Transactions on Communications</i> , <b>2021</b> , 69, 3025-3038	6.9	29
359	New results on turbulence modeling for free-space optical systems <b>2010</b> ,		28
358	Power Beacon Assisted Wiretap Channels With Jamming. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 8353-8367	9.6	28

357	Secure Communications for Multi-Tag Backscatter Systems. <i>IEEE Wireless Communications Letters</i> , <b>2019</b> , 8, 1146-1149	5.9	27
356	Solutions to Integrals Involving the Marcum $Q$ -Function and Applications. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 22, 1752-1756	3.2	27
355	EQAM: A parametric quadrature amplitude modulation family and its performance in AWGN and fading channels. <i>IEEE Transactions on Communications</i> , <b>2010</b> , 58, 1014-1019	6.9	27
354	Massive Multiuser MIMO in Heterogeneous Cellular Networks With Full Duplex Small Cells. <i>IEEE Transactions on Communications</i> , <b>2017</b> , 65, 4704-4719	6.9	26
353	Performance Analysis of Non-Orthogonal Multiple Access Under I/Q Imbalance. <i>IEEE Access</i> , <b>2018</b> , 6, 18453-18468	3.5	25
352	I/Q-Imbalance Self-Interference Coordination. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 4157-4170	9.6	25
351	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2012</b> , 61, 1730-1740	6.8	25
350	Amplify-and-Forward Relay Transmission with End-to-End Antenna Selection <b>2010</b> ,		25
349	Mutual Information Statistics and Beamforming Performance Analysis of Optimized LoS MIMO Systems. <i>IEEE Transactions on Communications</i> , <b>2010</b> , 58, 3316-3329	6.9	25
348	A closed-form upper-bound for the distribution of the weighted sum of Rayleigh variates. <i>IEEE Communications Letters</i> , <b>2005</b> , 9, 589-591	3.8	25
347	Physical Layer Security in the Presence of Interference. <i>IEEE Wireless Communications Letters</i> , <b>2017</b> , 6, 802-805	5.9	25
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345	Beamforming Optimization for Full-Duplex Wireless-Powered MIMO Systems. <i>IEEE Transactions on Communications</i> , <b>2017</b> , 65, 3750-3764	6.9	24
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126	On the impact of misalignment fading in transdermal optical wireless communications <b>2018</b> ,		4
125	Unified analysis of cooperative spectrum sensing over generalized multipath fading channels <b>2015</b> ,		4
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102	Minimizing power consumption in HetNets with packet delay constraints <b>2014</b> ,		3
101	Outage Rate and Outage Duration of Decode-and-Forward Cooperative Diversity Systems <b>2011</b> ,		3
100	Power Allocation for Quasi-Orthogonal Space-Time Block Codes with 1 or 2 Bits Feedback <b>2010</b> ,		3
99	Average outage and non-outage duration of selective decode-and-forward relaying <b>2011</b> ,		3
98	Reverse link capacity analysis of cellular CDMA systems with controlled power disparities and successive interference cancellation. <i>IEEE Transactions on Wireless Communications</i> , <b>2006</b> , 5, 2447-2457	9.6	3
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82	Outage probability of single carrier NOMA systems under I/Q imbalance <b>2018,</b>		2
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41	A theoretical limit for the ML performance of MIMO systems based on lattices <b>2013</b> ,		1
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