Zhi-guo Ding

List of Publications by Citations

581 papers	26,953 citations	77 h-index	150 g-index
645 ext. papers	33,948 ext. citations	6.1 avg, IF	8.16 L-index

#	Paper	IF	Citations
581	. *IEEE Signal Processing Letters*, **2014**, 21, 1501-1505	3.2	1286
580	A Survey on Non-Orthogonal Multiple Access for 5G Networks: Research Challenges and Future Trends. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 2181-2195	14.2	1219
579	Application of Non-Orthogonal Multiple Access in LTE and 5G Networks. *IEEE Communications Magazine*, **2017**, 55, 185-191	9.1	1056
578	Cooperative Non-Orthogonal Multiple Access in 5G Systems. *IEEE Communications Letters*, **2015**, 19, 1462-1465	3.9	903
577	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 6010-6023	6.8	887
576	Cooperative Non-orthogonal Multiple Access With Simultaneous Wireless Information and Power Transfer. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 938-953	14.2	650
575	Nonorthogonal Multiple Access for 5G and Beyond. *Proceedings of the IEEE*, **2017**, 105, 2347-2381	14.3	626
574	6G Wireless Networks: Vision, Requirements, Architecture, and Key Technologies. *IEEE Vehicular Technology Magazine*, **2019**, 14, 28-41	9.9	577
573	The Application of MIMO to Non-Orthogonal Multiple Access. *IEEE Transactions on Wireless Communications*, **2016**, 15, 537-552	9.6	555
572	A Survey of Non-Orthogonal Multiple Access for 5G. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 2294-2323	37.1	501
571	Power Allocation Strategies in Energy Harvesting Wireless Cooperative Networks. *IEEE Transactions on Wireless Communications*, **2014**, 13, 846-860	9.6	414
570	Relay Selection for Cooperative NOMA. *IEEE Wireless Communications Letters*, **2016**, 5, 416-419	5.9	370
569	A General MIMO Framework for NOMA Downlink and Uplink Transmission Based on Signal Alignment. *IEEE Transactions on Wireless Communications*, **2016**, 15, 4438-4454	9.6	366
568	Optimal Joint Power and Subcarrier Allocation for Full-Duplex Multicarrier Non-Orthogonal Multiple Access Systems. *IEEE Transactions on Communications*, **2017**, 65, 1077-1091	6.9	360
567	. *IEEE Transactions on Wireless Communications*, **2016**, 15, 7244-7257	9.6	334
566	Application of smart antenna technologies in simultaneous wireless information and power transfer **2015**, 53, 86-93		302
565	A Minorization-Maximization Method for Optimizing Sum Rate in the Downlink of Non-Orthogonal Multiple Access Systems. *IEEE Transactions on Signal Processing*, **2016**, 64, 76-88	4.8	270

564 Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. *Science China Information Sciences*, **2021**, 64, 1   3.4   264

563 . *IEEE Transactions on Vehicular Technology*, **2016**, 65, 10152-10157   6.8   247

562 On the Performance of Non-orthogonal Multiple Access Systems With Partial Channel Information. *IEEE Transactions on Communications*, **2016**, 64, 654-667   6.9   243

561 A Survey of Multi-Access Edge Computing in 5G and Beyond: Fundamentals, Technology Integration, and State-of-the-Art. *IEEE Access*, **2020**, 8, 116974-117017   3.5   241

560 . *IEEE Transactions on Wireless Communications*, **2014**, 13, 4440-4453   9.6   224

559 Random Beamforming in Millimeter-Wave NOMA Networks. *IEEE Access*, **2017**, 5, 7667-7681   3.5   208

558 Secrecy Sum Rate Maximization in Non-orthogonal Multiple Access. *IEEE Communications Letters*, **2016**, 20, 930-933   3.8   197

557 . *IEEE Transactions on Communications*, **2018**, 66, 560-575   6.9   191

556 Wireless-Powered Communications With Non-Orthogonal Multiple Access. *IEEE Transactions on Wireless Communications*, **2016**, 15, 8422-8436   9.6   183

555 Full-Duplex Device-to-Device-Aided Cooperative Nonorthogonal Multiple Access. *IEEE Transactions on Vehicular Technology*, **2016**, 1-1   6.8   180

554 MIMO-NOMA Design for Small Packet Transmission in the Internet of Things. *IEEE Access*, **2016**, 4, 1393-1405   3.5   174

553 Joint Beamforming and Power-Splitting Control in Downlink Cooperative SWIPT NOMA Systems. *IEEE Transactions on Signal Processing*, **2017**, 65, 4874-4886   4.8   173

552 Joint Trajectory and Precoding Optimization for UAV-Assisted NOMA Networks. *IEEE Transactions on Communications*, **2019**, 67, 3723-3735   6.9   161

551 Design of Cooperative Non-Orthogonal Multicast Cognitive Multiple Access for 5G Systems: User Scheduling and Performance Analysis. *IEEE Transactions on Communications*, **2017**, 65, 2641-2656   6.9   159

550 Cognitive Non-Orthogonal Multiple Access with Cooperative Relaying: A New Wireless Frontier for 5G Spectrum Sharing. *IEEE Communications Magazine*, **2018**, 56, 188-195   9.1   159

549 A Simple Design of IRS-NOMA Transmission. *IEEE Communications Letters*, **2020**, 24, 1119-1123   3.8   158

548 The Impact of Power Allocation on Cooperative Non-orthogonal Multiple Access Networks With SWIPT. *IEEE Transactions on Wireless Communications*, **2017**, 16, 4332-4343   9.6   152

547 . *IEEE Transactions on Vehicular Technology*, **2015**, 64, 1833-1847   6.8   148

546	On the Spectral Efficiency and Security Enhancements of NOMA Assisted Multicast-Unicast Streaming. *IEEE Transactions on Communications*, **2017**, 65, 3151-3163	6.9	144
545	Residual Transceiver Hardware Impairments on Cooperative NOMA Networks. *IEEE Transactions on Wireless Communications*, **2020**, 19, 680-695	9.6	135
544	Multiple UAVs as Relays: Multi-Hop Single Link Versus Multiple Dual-Hop Links. *IEEE Transactions on Wireless Communications*, **2018**, 17, 6348-6359	9.6	134
543	Cluster Content Caching: An Energy-Efficient Approach to Improve Quality of Service in Cloud Radio Access Networks. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 1207-1221	14.2	133
542	Design of Massive-MIMO-NOMA With Limited Feedback. *IEEE Signal Processing Letters*, **2016**, 23, 629-633	3.2	132
541	Novel Relay Selection Strategies for Cooperative NOMA. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 10114-10123	6.8	132
540	Joint Power and Time Allocation for NOMA–MEC Offloading. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 6207-6211	6.8	128
539	Optimal User Scheduling and Power Allocation for Millimeter Wave NOMA Systems. *IEEE Transactions on Wireless Communications*, **2018**, 17, 1502-1517	9.6	128
538	An Optimization Perspective of the Superiority of NOMA Compared to Conventional OMA. *IEEE Transactions on Signal Processing*, **2017**, 65, 5191-5202	4.8	126
537	Multi-Antenna NOMA for Computation Offloading in Multiuser Mobile Edge Computing Systems. *IEEE Transactions on Communications*, **2019**, 67, 2450-2463	6.9	122
536	. *IEEE Transactions on Wireless Communications*, **2009**, 8, 1247-1259	9.6	121
535	Impact of Non-Orthogonal Multiple Access on the Offloading of Mobile Edge Computing. *IEEE Transactions on Communications*, **2019**, 67, 375-390	6.9	120
534	Short-Packet Downlink Transmission With Non-Orthogonal Multiple Access. *IEEE Transactions on Wireless Communications*, **2018**, 17, 4550-4564	9.6	118
533	. *IEEE Transactions on Communications*, **2014**, 62, 1577-1587	6.9	116
532	User Pairing for Downlink Non-Orthogonal Multiple Access Networks Using Matching Algorithm. *IEEE Transactions on Communications*, **2017**, 65, 5319-5332	6.9	115
531	. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 1678-1690	6.8	111
530	Application of Non-Orthogonal Multiple Access in Cooperative Spectrum-Sharing Networks Over Nakagami- m Fading Channels. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 5506-5511	6.8	110
529	. *IEEE Journal on Selected Areas in Communications*, **2012**, 30, 359-368	14.2	109

4

528	A Novel Power Allocation Scheme Under Outage Constraints in NOMA Systems. *IEEE Signal Processing Letters*, **2016**, 23, 1226-1230	3.2	108
527	On Secrecy Performance of MISO SWIPT Systems With TAS and Imperfect CSI. *IEEE Transactions on Communications*, **2016**, 64, 3831-3843	6.9	107
526	Interplay Between NOMA and Other Emerging Technologies: A Survey. *IEEE Transactions on Cognitive Communications and Networking*, **2019**, 5, 900-919	6.6	107
525	Fairness of User Clustering in MIMO Non-Orthogonal Multiple Access Systems. *IEEE Communications Letters*, **2016**, 1-1	3.8	105
524	An Anomaly Detection Approach Based on Isolation Forest Algorithm for Streaming Data using Sliding Window. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2013**, 46, 12-17		104
523	Cooperative Energy Harvesting Networks With Spatially Random Users. *IEEE Signal Processing Letters*, **2013**, 20, 1211-1214	3.2	102
522	Key techniques for 5G wireless communications: network architecture, physical layer, and MAC layer perspectives. *Science China Information Sciences*, **2015**, 58, 1-20	3.4	100
521	Non-Orthogonal Multiple Access: Common Myths and Critical Questions. *IEEE Wireless Communications*, **2019**, 26, 174-180	13.4	99
520	Secure MISO-NOMA Transmission With Artificial Noise. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 6700-6705	6.8	97
519	On the Application of Quasi-Degradation to MISO-NOMA Downlink. *IEEE Transactions on Signal Processing*, **2016**, 64, 6174-6189	4.8	96
518	Delay Minimization for NOMA-MEC Offloading. *IEEE Signal Processing Letters*, **2018**, 25, 1875-1879	3.2	96
517	Hardware Impaired Ambient Backscatter NOMA Systems: Reliability and Security. *IEEE Transactions on Communications*, **2021**, 69, 2723-2736	6.9	94
516	Opportunistic Relaying for Secrecy Communications: Cooperative Jamming vs. Relay Chatting. *IEEE Transactions on Wireless Communications*, **2011**, 10, 1725-1729	9.6	91
515	Physical Layer Security in UAV Systems: Challenges and Opportunities. *IEEE Wireless Communications*, **2019**, 26, 40-47	13.4	90
514	Optimal Relay Selection Schemes for Cooperative NOMA. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 7851-7855	6.8	89
513	Unsupervised Machine Learning-Based User Clustering in Millimeter-Wave-NOMA Systems. *IEEE Transactions on Wireless Communications*, **2018**, 17, 7425-7440	9.6	89
512	Optimal Joint Power and Subcarrier Allocation for MC-NOMA Systems **2016**,		88
511	Toward the Standardization of Non-Orthogonal Multiple Access for Next Generation Wireless Networks. *IEEE Communications Magazine*, **2018**, 56, 19-27	9.1	86

510	On the Performance of Non-Orthogonal Multiple Access in Short-Packet Communications. *IEEE Communications Letters*, **2018**, 22, 590-593	3.8	84
509	Outage Performance of Cognitive Relay Networks With Wireless Information and Power Transfer. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 3828-3833	6.8	83
508	. *IEEE Transactions on Wireless Communications*, **2018**, 17, 506-519	9.6	80
507	. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 12286-12290	6.8	78
506	. *IEEE Transactions on Wireless Communications*, **2016**, 15, 6716-6730	9.6	78
505	. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 1351-1364	6.8	78
504	Performance Analysis and Optimization for SWIPT Wireless Sensor Networks. *IEEE Transactions on Communications*, **2017**, 65, 2291-2302	6.9	77
503	Rethinking the role of interference in wireless networks **2014**, 52, 152-158		77
502	. *IEEE Transactions on Communications*, **2017**, 1-1	6.9	76
501	Full-Duplex Cooperative NOMA Relaying Systems With I/Q Imbalance and Imperfect SIC. *IEEE Wireless Communications Letters*, **2020**, 9, 17-20	5.9	76
500	Cooperative NOMA Broadcasting/Multicasting for Low-Latency and High-Reliability 5G Cellular V2X Communications. *IEEE Internet of Things Journal*, **2019**, 6, 7828-7838	10.7	75
499	Distributed beamforming and power allocation for cooperative networks. *IEEE Transactions on Wireless Communications*, **2008**, 7, 1817-1822	9.6	75
498	Physical layer security for 5G non-orthogonal multiple access in large-scale networks **2016**,		72
497	. *IEEE Transactions on Wireless Communications*, **2019**, 18, 2565-2578	9.6	71
496	Non-Orthogonal Random Access for 5G Networks. *IEEE Transactions on Wireless Communications*, **2017**, 16, 4817-4831	9.6	70
495	. *IEEE Communications Letters*, **2017**, 21, 492-495	3.8	70
494	User Association and Resource Allocation in Unified NOMA Enabled Heterogeneous Ultra Dense Networks **2018**, 56, 86-92		70
493	Placement and Power Allocation for NOMA-UAV Networks. *IEEE Wireless Communications Letters*, **2019**, 8, 965-968	5.9	69

492	Energy-Efficient Design of IRS-NOMA Networks. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 14088-14092	6.8	69
491	Resource Management in Non-Orthogonal Multiple Access Networks for 5G and Beyond. *IEEE Network*, **2017**, 31, 8-14	11.4	64
490	. *IEEE Wireless Communications Letters*, **2019**, 8, 564-567	5.9	64
489	Joint Beamforming and Power Allocation in Downlink NOMA Multiuser MIMO Networks. *IEEE Transactions on Wireless Communications*, **2018**, 17, 5367-5381	9.6	63
488	. *IEEE Transactions on Communications*, **2018**, 66, 4854-4876	6.9	62
487	. *IEEE Transactions on Aerospace and Electronic Systems*, **2013**, 49, 1374-1385	3.7	62
486	Optimal Precoding for a QoS Optimization Problem in Two-User MISO-NOMA Downlink. *IEEE Communications Letters*, **2016**, 20, 1263-1266	3.8	62
485	Full-Duplex Two-Way and One-Way Relaying: Average Rate, Outage Probability, and Tradeoffs. *IEEE Transactions on Wireless Communications*, **2016**, 15, 3920-3933	9.6	61
484	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 9873-9887	6.8	61
483	On the Design of Multiuser Codebooks for Uplink SCMA Systems. *IEEE Communications Letters*, **2016**, 20, 1920-1923	3.8	60
482	Robust secrecy rate optimisations for multiuser multiple-input-single-output channel with device-to-device communications. *IET Communications*, **2015**, 9, 396-403	1.3	60
481	Global Energy Efficiency in Secure MISO SWIPT Systems With Non-Linear Power-Splitting EH Model. *IEEE Journal on Selected Areas in Communications*, **2019**, 37, 216-232	14.2	60
480	On the Impact of Phase Shifting Designs on IRS-NOMA. *IEEE Wireless Communications Letters*, **2020**, 9, 1596-1600	5.9	59
479	Simultaneous Lightwave Information and Power Transfer (SLIPT). *IEEE Transactions on Green Communications and Networking*, **2018**, 2, 764-773	4	59
478	On combating the half-duplex constraint in modern cooperative networks: protocols and techniques. *IEEE Wireless Communications*, **2012**, 19, 20-27	13.4	59
477	. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 7495-7505	6.8	58
476	A New Evaluation Criterion for Non-Orthogonal Multiple Access in 5G Software Defined Networks. *IEEE Access*, **2015**, 3, 1633-1639	3.5	58
475	Optimized Multiuser Computation Offloading with Multi-Antenna NOMA **2017**,		58

474	Physical Layer Network Coding and Precoding for the Two-Way Relay Channel in Cellular Systems. *IEEE Transactions on Signal Processing*, **2011**, 59, 696-712	4.8	58
473	. *IEEE Journal on Selected Areas in Communications*, **2010**, 28, 1017-1025	14.2	58
472	The Use of Spatially Random Base Stations in Cloud Radio Access Networks. *IEEE Signal Processing Letters*, **2013**, 20, 1138-1141	3.2	57
471	Joint Beamforming and Jamming Optimization for Secure Transmission in MISO-NOMA Networks. *IEEE Transactions on Communications*, **2019**, 67, 2294-2305	6.9	57
470	. *IEEE Transactions on Communications*, **2018**, 66, 3294-3308	6.9	56
469	A General Relaying Transmission Protocol for MIMO Secrecy Communications. *IEEE Transactions on Communications*, **2012**, 60, 3461-3471	6.9	56
468	MMSE-Based Beamforming Techniques for Relay Broadcast Channels. *IEEE Transactions on Vehicular Technology*, **2013**, 62, 4045-4051	6.8	55
467	NOMA Meets Finite Resolution Analog Beamforming in Massive MIMO and Millimeter-Wave Networks. *IEEE Communications Letters*, **2017**, 21, 1879-1882	3.8	54
466	Physical Layer Security Jamming: Theoretical Limits and Practical Designs in Wireless Networks. *IEEE Access*, **2017**, 5, 3603-3611	3.5	54
465	Simple Semi-Grant-Free Transmission Strategies Assisted by Non-Orthogonal Multiple Access. *IEEE Transactions on Communications*, **2019**, 67, 4464-4478	6.9	54
464	Unveiling the Importance of SIC in NOMA Systems—Part 1: State of the Art and Recent Findings. *IEEE Communications Letters*, **2020**, 24, 2373-2377	3.8	54
463	OTFS-NOMA: An Efficient Approach for Exploiting Heterogenous User Mobility Profiles. *IEEE Transactions on Communications*, **2019**, 67, 7950-7965	6.9	52
462	Performance Analysis of Non-Regenerative Massive-MIMO-NOMA Relay Systems for 5G. *IEEE Transactions on Communications*, **2017**, 65, 4777-4790	6.9	52
461	Improving Wireless Security for Bidirectional Communication Scenarios. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 2842-2848	6.8	51
460	Decode-and-Forward Relaying for Cooperative NOMA Systems With Direct Links. *IEEE Transactions on Wireless Communications*, **2018**, 17, 8077-8093	9.6	51
459	. *IEEE Wireless Communications Letters*, **2020**, 9, 1538-1542	5.9	49
458	Power Efficient IRS-Assisted NOMA. *IEEE Transactions on Communications*, **2021**, 69, 900-913	6.9	49
457	Robust Outage Secrecy Rate Optimizations for a MIMO Secrecy Channel. *IEEE Wireless Communications Letters*, **2015**, 4, 86-89	5.9	46

456	Asymptotic Studies for the Impact of Antenna Selection on Secure Two-Way Relaying Communications with Artificial Noise. *IEEE Transactions on Wireless Communications*, **2014**, 13, 2189-2203	9.6	45
455	QoE-Based Resource Allocation for Multi-Cell NOMA Networks. *IEEE Transactions on Wireless Communications*, **2018**, 17, 6160-6176	9.6	44
454	Cooperative wireless networks: from radio to network protocol designs **2011**, 49, 64-69		44
453	Deep Reinforcement Learning for UAV Navigation Through Massive MIMO Technique. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 1117-1121	6.8	43
452	Optimal Resource Allocation for Delay Minimization in NOMA-MEC Networks. *IEEE Transactions on Communications*, **2020**, 68, 7867-7881	6.9	43
451	Secrecy Rate Optimization for Secure Multicast Communications. *IEEE Journal on Selected Topics in Signal Processing*, **2016**, 10, 1417-1432	7.5	43
450	The Application of Power-Domain Non-Orthogonal Multiple Access in Satellite Communication Networks. *IEEE Access*, **2019**, 7, 63531-63539	3.5	42
449	Energy Efficiency Optimization in Full-Duplex User-Aided Cooperative SWIPT NOMA Systems. *IEEE Transactions on Communications*, **2019**, 67, 5753-5767	6.9	42
448	Full-Duplex Non-Orthogonal Multiple Access for Next Generation Wireless Systems. *IEEE Communications Magazine*, **2019**, 57, 110-116	9.1	41
447	On the Coexistence Between Full-Duplex and NOMA. *IEEE Wireless Communications Letters*, **2018**, 7, 692-695	5.9	41
446	Beamforming for Combating Inter-cluster and Intra-cluster Interference in Hybrid NOMA Systems. *IEEE Access*, **2016**, 4, 4452-4463	3.5	41
445	On the Design of Network Coding for Multiple Two-Way Relaying Channels. *IEEE Transactions on Wireless Communications*, **2011**, 10, 1820-1832	9.6	41
444	Secrecy-Enhancing Design for Cooperative Downlink and Uplink NOMA With an Untrusted Relay. *IEEE Transactions on Communications*, **2020**, 68, 1698-1715	6.9	41
443	NOMA-Assisted Secure Short-Packet Communications in IoT. *IEEE Wireless Communications*, **2020**, 27, 8-15	13.4	41
442	Optimal Energy Efficient Power Allocation With User Fairness for Uplink MC-NOMA Systems. *IEEE Wireless Communications Letters*, **2019**, 8, 1133-1136	5.9	40
441	On the Diversity-Multiplexing Tradeoff for Wireless Cooperative Multiple Access Systems. *IEEE Transactions on Signal Processing*, **2007**, 55, 4627-4638	4.8	40
440	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 8788-8794	6.8	39
439	Lattice Partition Multiple Access: A New Method of Downlink Non-Orthogonal Multiuser Transmissions **2016**,		39

438	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 6146-6158	6.8	38
437	Beamforming Techniques for Nonorthogonal Multiple Access in 5G Cellular Networks. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 9474-9487	6.8	38
436	. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 7136-7149	6.8	38
435	Investigation of Wireless Sensor Networks for Structural Health Monitoring. *Journal of Sensors*, **2012**, 2012, 1-7	2	38
434	Cross-Layer Routing Using Cooperative Transmission in Vehicular Ad-hoc Networks. *IEEE Journal on Selected Areas in Communications*, **2011**, 29, 571-581	14.2	38
433	Energy-Efficient Power Allocation for NOMA With Imperfect CSI. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 1009-1013	6.8	38
432	Energy Harvesting Enabled NOMA Systems With Full-Duplex Relaying. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 7179-7183	6.8	37
431	Optimal Throughput Fairness Tradeoffs for Downlink Non-Orthogonal Multiple Access Over Fading Channels. *IEEE Transactions on Wireless Communications*, **2018**, 17, 3556-3571	9.6	37
430	. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 775-788	6.8	36
429	On the Study of Analogue Network Coding for Multi-Pair, Bidirectional Relay Channels. *IEEE Transactions on Wireless Communications*, **2011**, 10, 670-681	9.6	36
428	. *IEEE Communications Letters*, **2017**, 21, 2033-2036	3.8	35
427	Antenna Selection for MIMO Nonorthogonal Multiple Access Systems. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 3158-3171	6.8	35
426	Two-Timeslot Two-Way Full-Duplex Relaying for 5G Wireless Communication Networks. *IEEE Transactions on Communications*, **2016**, 64, 2873-2887	6.9	35
425	Energy Efficient Beamforming Design for MISO Non-Orthogonal Multiple Access Systems. *IEEE Transactions on Communications*, **2019**, 67, 4117-4131	6.9	34
424	Energy and Spectrum Efficient Transmission Techniques Under QoS Constraints Toward Green Heterogeneous Networks. *IEEE Access*, **2015**, 3, 1655-1671	3.5	34
423	Beamforming Design and Power Allocation for Full-Duplex Non-Orthogonal Multiple Access Cognitive Relaying. *IEEE Transactions on Communications*, **2018**, 66, 5952-5965	6.9	34
422	. *IEEE Transactions on Wireless Communications*, **2011**, 10, 2150-2161	9.6	34
421	Impact of Imperfect Channel State Information on Bi-Directional Communications With Relay Selection. *IEEE Transactions on Signal Processing*, **2011**, 59, 5657-5662	4.8	34

420	On the Performance of Opportunistic Cooperative Wireless Networks. *IEEE Transactions on Communications*, **2008**, 56, 1236-1240	6.9	34
419	. *IEEE Transactions on Network Science and Engineering*, **2020**, 1-1	4.9	34
418	Outage Performance for Dynamic Power Allocation in Hybrid Non-Orthogonal Multiple Access Systems. *IEEE Communications Letters*, **2016**, 20, 1695-1698	3.8	34
417	On the Performance of Network NOMA in Uplink CoMP Systems: A Stochastic Geometry Approach. *IEEE Transactions on Communications*, **2019**, 67, 5084-5098	6.9	33
416	Simultaneous Lightwave Information and Power Transfer: Policies, Techniques, and Future Directions. *IEEE Access*, **2019**, 7, 28250-28257	3.5	33
415	A Novel Spectrum Sharing Scheme Assisted by Secondary NOMA Relay. *IEEE Wireless Communications Letters*, **2018**, 7, 732-735	5.9	33
414	Spectral- and Energy-Efficient Resource Allocation for Multi-Carrier Uplink NOMA Systems. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 9293-9296	6.8	32
413	Antenna Selection in MIMO Cognitive Radio-Inspired NOMA Systems. *IEEE Communications Letters*, **2017**, 21, 2658-2661	3.8	32
412	Secure Transmission Design in HARQ Assisted Cognitive NOMA Networks. *IEEE Transactions on Information Forensics and Security*, **2020**, 15, 2528-2541	8	32
411	On the Performance of Downlink NOMA in Multi-Cell mmWave Networks. *IEEE Communications Letters*, **2018**, 22, 2366-2369	3.8	32
410	Outage Probability Constrained MIMO-NOMA Designs Under Imperfect CSI. *IEEE Transactions on Wireless Communications*, **2018**, 17, 8239-8255	9.6	32
409	Massive MIMO-NOMA Networks With Imperfect SIC: Design and Fairness Enhancement. *IEEE Transactions on Wireless Communications*, **2020**, 19, 6100-6115	9.6	31
408	. *IEEE Transactions on Wireless Communications*, **2019**, 18, 5284-5298	9.6	31
407	Performance Analysis of Differential Spatial Modulation with Two Transmit Antennas. *IEEE Communications Letters*, **2014**, 18, 475-478	3.8	31
406	**2017**,		31
405	Energy Efficiency of Cooperative Jamming Strategies in Secure Wireless Networks. *IEEE Transactions on Wireless Communications*, **2012**, 11, 3025-3029	9.6	31
404	Evolution of NOMA Toward Next Generation Multiple Access (NGMA) for 6G. *IEEE Journal on Selected Areas in Communications*, **2022**, 1-1	14.2	31
403	What Role Do Intelligent Reflecting Surfaces Play in Multi-Antenna Non-Orthogonal Multiple Access?. *IEEE Wireless Communications*, **2020**, 27, 24-31	13.4	31

402	. *IEEE Transactions on Information Forensics and Security*, **2016**, 11, 1831-1846	8	31
401	Multi-User SWIPT Cooperative Networks: Is the Max–Min Criterion Still Diversity-Optimal?. *IEEE Transactions on Wireless Communications*, **2016**, 15, 553-567	9.6	30
400	Secure Transmission via Joint Precoding Optimization for Downlink MISO NOMA. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 7603-7615	6.8	30
399	Cooperative Communications With Wireless Energy Harvesting Over Nakagami- m Fading Channels. *IEEE Transactions on Communications*, **2017**, 65, 5149-5164	6.9	30
398	Beamforming optimisation in energy harvesting cooperative full-duplex networks with self-energy recycling protocol. *IET Communications*, **2016**, 10, 848-853	1.3	30
397	Secure Primary Transmission Assisted by a Secondary Full-Duplex NOMA Relay. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 7214-7219	6.8	29
396	Forwarding Strategy Selection in Dual-Hop NOMA Relaying Systems. *IEEE Communications Letters*, **2018**, 22, 1644-1647	3.8	29
395	Dual Relay Selection for Cooperative NOMA With Distributed Space Time Coding. *IEEE Access*, **2018**, 6, 20440-20450	3.5	29
394	On the Performance of NOMA With Hybrid ARQ. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 10033-10038	6.8	29
393	Novel System Architecture and Waveform Design for Cognitive Radar Radio Networks. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 3630-3642	6.8	28
392	Outage Constrained Secrecy Rate Maximization Design With SWIPT in MIMO-CR Systems. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 5475-5480	6.8	27
391	A Special Case of Multi-Way Relay Channel: When Beamforming is not Applicable. *IEEE Transactions on Wireless Communications*, **2011**, 10, 2046-2051	9.6	27
390	Uplink Precoding Optimization for NOMA Cellular-Connected UAV Networks. *IEEE Transactions on Communications*, **2020**, 68, 1271-1283	6.9	26
389	Secure Transmission via Beamforming Optimization for NOMA Networks. *IEEE Wireless Communications*, **2020**, 27, 193-199	13.4	26
388	Resource Allocation for Hybrid NOMA MEC Offloading. *IEEE Transactions on Wireless Communications*, **2020**, 19, 4964-4977	9.6	25
387	**2014**,		25
386	On the study of network coded AF transmission protocol for wireless multiple access channels. *IEEE Transactions on Wireless Communications*, **2009**, 8, 118-123	9.6	25
385	Cooperative NOMA: State of the Art, Key Techniques, and Open Challenges. *IEEE Network*, **2020**, 34, 205-211	11.4	25

384	Beamforming Design and Performance Analysis of Full-Duplex Cooperative NOMA Systems. *IEEE Transactions on Wireless Communications*, **2019**, 18, 3295-3311	9.6	24
383	. *IEEE Transactions on Wireless Communications*, **2019**, 18, 2842-2857	9.6	24
382	Multi-User Scheduling for Network Coded Two-Way Relay Channel in Cellular Systems. *IEEE Transactions on Wireless Communications*, **2012**, 11, 2542-2551	9.6	24
381	Joint Beamforming and Power Management for Nonregenerative MIMO Two-Way Relaying Channels. *IEEE Transactions on Vehicular Technology*, **2011**, 60, 4374-4383	6.8	24
380	Joint User Pairing, Mode Selection, and Power Control for D2D-Capable Cellular Networks Enhanced by Nonorthogonal Multiple Access. *IEEE Internet of Things Journal*, **2019**, 6, 8919-8932	10.7	23
379	Achievable Rates for Network Coding on the Exchange Channel **2007**,		23
378	Outage Probability Analysis of Non-Orthogonal Multiple Access in Cloud Radio Access Networks. *IEEE Communications Letters*, **2018**, 22, 149-152	3.8	23
377	NOMA for Next-Generation Massive IoT: Performance Potential and Technology Directions. *IEEE Communications Magazine*, **2021**, 59, 115-121	9.1	23
376	3-D Hybrid VLC-RF Indoor IoT Systems With Light Energy Harvesting. *IEEE Transactions on Green Communications and Networking*, **2019**, 3, 853-865	4	22
375	Secure Communications in Three-Step Two-Way Energy Harvesting DF Relaying. *IEEE Communications Letters*, **2018**, 22, 308-311	3.8	22
374	Optimal design of non-orthogonal multiple access with wireless power transfer **2016**,		22
373	. *IEEE Transactions on Wireless Communications*, **2019**, 18, 4312-4325	9.6	22
372	A simple approach of range-based positioning with low computational complexity. *IEEE Transactions on Wireless Communications*, **2009**, 8, 5832-5836	9.6	22
371	Height Optimization and Resource Allocation for NOMA Enhanced UAV-Aided Relay Networks. *IEEE Transactions on Communications*, **2021**, 69, 962-975	6.9	22
370	Deep Learning-Based Sum Data Rate and Energy Efficiency Optimization for MIMO-NOMA Systems. *IEEE Transactions on Wireless Communications*, **2020**, 19, 5373-5388	9.6	22
369	Sparse Vector Coding-Based Multi-Carrier NOMA for In-Home Health Networks. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 325-337	14.2	22
368	Secrecy Performance of Untrusted Relay Systems With a Full-Duplex Jamming Destination. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 11511-11524	6.8	22
367	Secrecy Analysis and Active Pilot Spoofing Attack Detection for Multigroup Multicasting Cell-Free Massive MIMO Systems. *IEEE Access*, **2019**, 7, 57332-57340	3.5	21

366	. *IEEE Internet of Things Journal*, **2020**, 7, 11157-11169	10.7	21
365	The application of non-orthogonal multiple access in wireless powered communication networks **2016**,		21
364	User Pairing in Non-Orthogonal Multiple Access Downlink Transmissions **2015**,		21
363	Cooperative non-orthogonal multiple access in 5G systems with SWIPT **2015**,		21
362	Simultaneous Wireless Information and Power Transfer at 5G New Frequencies: Channel Measurement and Network Design. *IEEE Journal on Selected Areas in Communications*, **2019**, 37, 171-186	14.2	21
361	Performance Analysis of Cloud Radio Access Networks With Uniformly Distributed Base Stations. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 472-477	6.8	20
360	Joint Transmission Scheduling and Power Allocation in Non-Orthogonal Multiple Access. *IEEE Transactions on Communications*, **2019**, 67, 8137-8150	6.9	20
359	Coverage Performance of NOMA in Wireless Caching Networks. *IEEE Communications Letters*, **2018**, 22, 1458-1461	3.8	20
358	On 3-D Hybrid VLC-RF Systems with Light Energy Harvesting and OMA Scheme over RF Links **2017**,		20
357	Adaptive UAV-Trajectory Optimization Under Quality of Service Constraints: A Model-Free Solution. *IEEE Access*, **2020**, 8, 112253-112265	3.5	20
356	NOMA for Energy-Efficient LiFi-Enabled Bidirectional IoT Communication. *IEEE Transactions on Communications*, **2021**, 69, 1693-1706	6.9	20
355	A Feasibility Study on Network NOMA. *IEEE Transactions on Communications*, **2018**, 66, 4303-4317	6.9	19
354	HOS-Based Semi-Blind Spatial Equalization for MIMO Rayleigh Fading Channels. *IEEE Transactions on Signal Processing*, **2008**, 56, 248-255	4.8	19
353	Joint Robust Beamforming and Power-Splitting Ratio Design in SWIPT-Based Cooperative NOMA Systems With CSI Uncertainty. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 2386-2400	6.8	18
352	The Application of Machine Learning in mmWave-NOMA Systems **2018**,		18
351	Cooperative Hybrid VLC-RF Systems With Spatially Random Terminals. *IEEE Transactions on Communications*, **2018**, 66, 6396-6408	6.9	18
350	. *IEEE Transactions on Communications*, **2014**, 62, 2747-2757	6.9	18
349	Antenna selection for MIMO-NOMA networks **2017**,		18

348	Rate Regions for Multiple Access Channel With Conference and Secrecy Constraints. *IEEE Transactions on Information Forensics and Security*, **2013**, 8, 1961-1974	8	18
347	Power Minimization for Multi-Cell Uplink NOMA With Imperfect SIC. *IEEE Wireless Communications Letters*, **2020**, 9, 2030-2034	5.9	18
346	A General Framework for MIMO Uplink and Downlink Transmissions in 5G Multiple Access **2016**,		18
345	Embracing non-orthogonalmultiple access in future wireless networks. *Frontiers of Information Technology and Electronic Engineering*, **2018**, 19, 322-339	2.2	18
344	. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 12052-12065	6.8	17
343	Energy Efficiency Optimization for Secure Transmission in MISO Cognitive Radio Network With Energy Harvesting. *IEEE Access*, **2019**, 7, 126234-126252	3.5	17
342	Cache-Aided Non-Orthogonal Multiple Access: The Two-User Case. *IEEE Journal on Selected Topics in Signal Processing*, **2019**, 13, 436-451	7.5	17
341	. *IEEE Vehicular Technology Magazine*, **2018**, 13, 110-120	9.9	17
340	Cross-Layer Power Allocation in Nonorthogonal Multiple Access Systems for Statistical QoS Provisioning. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 11388-11393	6.8	17
339	A General Framework of Precoding Design for Multiple Two-Way Relaying Communications. *IEEE Transactions on Signal Processing*, **2013**, 61, 1531-1535	4.8	17
338	Unveiling the Importance of SIC in NOMA Systems―Part II: New Results and Future Directions. *IEEE Communications Letters*, **2020**, 24, 2378-2382	3.8	17
337	Impact of Factor Graph on Average Sum Rate for Uplink Sparse Code Multiple Access Systems. *IEEE Access*, **2016**, 4, 6585-6590	3.5	17
336	Joint Optimization of Beamforming, Phase-Shifting and Power Allocation in a Multi-Cluster IRS-NOMA Network. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 7705-7717	6.8	17
335	Reconfigurable Intelligent Surfaces: Potentials, Applications, and Challenges for 6G Wireless Networks. *IEEE Wireless Communications*, **2021**, 1-8	13.4	17
334	Covert Communication in Intelligent Reflecting Surface-Assisted NOMA Systems: Design, Analysis, and Optimization. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	17
333	An isolation principle based distributed anomaly detection method in wireless sensor networks. *International Journal of Automation and Computing*, **2015**, 12, 402-412	3.5	16
332	Amplify-and-Forward Virtual Full-Duplex Relaying-Based Cooperative NOMA. *IEEE Wireless Communications Letters*, **2018**, 7, 464-467	5.9	16
331	Cooperative Transmission in Simultaneous Wireless Information and Power Transfer Networks. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 8710-8715	6.8	16

330	Latency Optimization for Multi-user NOMA-MEC Offloading Using Reinforcement Learning **2019**,		16
329	Improving Secrecy Performance of a Wirelessly Powered Network. *IEEE Transactions on Communications*, **2017**, 65, 4996-5008	6.9	16
328	Feature extraction using orthogonal discriminant local tangent space alignment. *Pattern Analysis and Applications*, **2012**, 15, 249-259	2.3	16
327	Subspace approach to blind and semi-blind channel estimation for space-time block codes. *IEEE Transactions on Wireless Communications*, **2005**, 4, 357-362	9.6	16
326	Energy-Efficient Resource Allocation for NOMA-MEC Networks With Imperfect CSI. *IEEE Transactions on Communications*, **2021**, 69, 3436-3449	6.9	16
325	. *IEEE Transactions on Vehicular Technology*, **2016**, 1-1	6.8	16
324	Coordinated Direct and Relay Transmission With NOMA and Network Coding in Nakagami-m Fading Channels. *IEEE Transactions on Communications*, **2021**, 69, 207-222	6.9	16
323	Design of Secure NOMA Against Full-Duplex Proactive Eavesdropping. *IEEE Wireless Communications Letters*, **2019**, 8, 1090-1094	5.9	15
322	Non-Orthogonal Multiple Access for Ubiquitous Wireless Sensor Networks. *Sensors*, **2018**, 18,	3.8	15
321	A General Framework of Wiretap Channel With Helping Interference and State Information. *IEEE Transactions on Information Forensics and Security*, **2014**, 9, 182-195	8	15
320	Secure Non-Orthogonal Multiple Access: An Interference Engineering Perspective. *IEEE Network*, **2021**, 35, 278-285	11.4	15
319	Joint D2D Group Association and Channel Assignment in Uplink Multi-Cell NOMA Networks: A Matching-Theoretic Approach. *IEEE Transactions on Communications*, **2019**, 67, 8771-8785	6.9	14
318	Cluster formation in cloud-radio access networks: Performance analysis and algorithms design **2015**,		14
317	Massive MIMO-Assisted Mobile Edge Computing: Exciting Possibilities for Computation Offloading. *IEEE Vehicular Technology Magazine*, **2020**, 15, 31-38	9.9	14
316	Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 10033-10045	6.8	14
315	Power Allocation Study for Non-Orthogonal Multiple Access Networks With Multicast-Unicast Transmission. *IEEE Transactions on Wireless Communications*, **2018**, 17, 3588-3599	9.6	14
314	On the impact of network geometric models on multicell cooperative communication systems. *IEEE Wireless Communications*, **2013**, 20, 75-81	13.4	14
313	Full-Duplex Multi-Antenna Relay Assisted Cooperative Non-Orthogonal Multiple Access **2017**,		14

312	On Generalized MIMO Y Channels: Precoding Design, Mapping, and Diversity Gain. *IEEE Transactions on Vehicular Technology*, **2011**, 60, 3525-3532	6.8	14
311	Securing Aerial-Ground Transmission for NOMA-UAV Networks. *IEEE Network*, **2020**, 34, 171-177	11.4	14
310	Beamforming and Jamming Optimization for IRS-Aided Secure NOMA Networks. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	14
309	. *IEEE Transactions on Wireless Communications*, **2019**, 18, 5630-5642	9.6	13
308	Full-Duplex Non-Orthogonal Multiple Access Cooperative Spectrum-Sharing Networks With Non-Linear Energy Harvesting. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 10925-10936	6.8	13
307	On Optimal Beamforming Design for Downlink MISO NOMA Systems. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 3008-3020	6.8	13
306	Performance Analysis of Uplink SCMA With Receiver Diversity and Randomly Deployed Users. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 2792-2797	6.8	13
305	Joint Interleaver and Modulation Design For Multi-User SWIPT-NOMA. *IEEE Transactions on Communications*, **2019**, 67, 7288-7301	6.9	13
304	Privacy Preservation via Beamforming for NOMA. *IEEE Transactions on Wireless Communications*, **2019**, 18, 3599-3612	9.6	13
303	Wireless information and power transfer in two-way relaying network with non-coherent differential modulation. *Eurasip Journal on Wireless Communications and Networking*, **2015**, 2015,	3.2	13
302	. *IEEE Transactions on Vehicular Technology*, **2011**, 60, 1590-1601	6.8	13
301	Multi-user diversity for secrecy in wireless networks **2010**,		13
300	A stochastic geometry approach to transmission capacity in wireless cooperative networks **2009**,		13
299	. *IEEE Transactions on Vehicular Technology*, **2016**, 1-1	6.8	13
298	Asymptotic Performance Analysis of GSVD-NOMA Systems With a Large-Scale Antenna Array. *IEEE Transactions on Wireless Communications*, **2019**, 18, 575-590	9.6	13
297	Joint Active and Passive Beamforming Design for the IRS-Assisted MIMOME-OFDM Secure Communications. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	13
296	Outage Constrained Power Efficient Design for Downlink NOMA Systems With Partial HARQ. *IEEE Transactions on Communications*, **2020**, 68, 5188-5201	6.9	12
295	Successive Interference Cancellation for LDPC Coded Nonorthogonal Multiple Access Systems. *IEEE Transactions on Vehicular Technology*, **2018**, 1-1	6.8	12

294	**2018**,		12
293	A User-Centric Cooperative Scheme for UAV-Assisted Wireless Networks in Malfunction Areas. *IEEE Transactions on Communications*, **2019**, 67, 8786-8800	6.9	12
292	On the Study of Network Coded AF Transmission Protocol for Wireless Multiple Access Channels. *IEEE Transactions on Wireless Communications*, **2008**, 7, 4568-4574	9.6	12
291	Spectral-Energy Efficiency Trade-Off-Based Beamforming Design for MISO Non-Orthogonal Multiple Access Systems. *IEEE Transactions on Wireless Communications*, **2020**, 19, 6593-6606	9.6	12
290	Outage Performance of Cooperative NOMA Networks with Hardware Impairments **2018**,		12
289	On the Uplink Sum Rate of SCMA System With Randomly Deployed Users. *IEEE Wireless Communications Letters*, **2017**, 6, 338-341	5.9	11
288	An EM-Based User Clustering Method in Non-Orthogonal Multiple Access. *IEEE Transactions on Communications*, **2019**, 67, 8422-8434	6.9	11
287	. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 1014-1025	6.8	11
286	Robust Non-Orthogonal Multiple Access for Aerial and Ground Users. *IEEE Transactions on Wireless Communications*, **2020**, 19, 4793-4805	9.6	11
285	Multi-Antenna Two-Way Relay Based Cooperative NOMA. *IEEE Transactions on Wireless Communications*, **2020**, 19, 6486-6503	9.6	11
284	Security Enhancement Using a Novel Two-Slot Cooperative NOMA Scheme. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 3470-3475	6.8	11
283	Streaming data anomaly detection method based on hyper-grid structure and online ensemble learning. *Soft Computing*, **2017**, 21, 5905-5917	3.5	11
282	Joint Beamforming Design and Power Allocation for Full-Duplex NOMA Cognitive Relay Systems **2017**,		11
281	User Selection and Power Allocation for mmWave-NOMA Networks **2017**,		11
280	. *IEEE Transactions on Vehicular Technology*, **2010**, 59, 831-841	6.8	11
279	. *IEEE Transactions on Communications*, **2021**, 69, 2191-2206	6.9	11
278	Joint Beamforming and Power Allocation Design in Downlink Non-Orthogonal Multiple Access Systems **2016**,		11
277	On Energy Harvesting of Hybrid TDMA-NOMA Systems **2019**,		11

276	Energy Efficiency Fairness Beamforming Designs for MISO NOMA Systems **2019**,		11
275	On the Impact of Time-Correlated Fading for Downlink NOMA. *IEEE Transactions on Communications*, **2019**, 67, 4491-4504	6.9	10
274	A Novel Probabilistic Buffer-Aided Relay Selection Scheme in Cooperative Networks. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 4548-4552	6.8	10
273	On the design of MIMO-NOMA downlink and uplink transmission **2016**,		10
272	Sum-rate maximization guaranteeing user fairness for NOMA in fading channels **2018**,		10
271	Joint beamforming design and power splitting control in cooperative SWIPT NOMA systems **2017**,		10
270	Wireless Information and Power Transfer in MIMO Virtual Full-Duplex Relaying System. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 11001-11010	6.8	10
269	Full/Half-Duplex Relay Selection for Cooperative NOMA Networks **2017**,		10
268	Power Allocation for Full-Duplex Cooperative Non-Orthogonal Multiple Access Systems **2017**,		10
267	. *IEEE Transactions on Communications*, **2010**, 58, 2425-2435	6.9	10
266	NOMA Empowered Integrated Sensing and Communication. *IEEE Communications Letters*, **2022**, 1-1	3.8	10
265	Non-Orthogonal Multiple Access for Massive Connectivity. *SpringerBriefs in Computer Science*, **2020**,	0.4	10
264	Robust Beamforming Design for OTFS-NOMA. *IEEE Open Journal of the Communications Society*, **2020**, 1, 33-40	6.7	10
263	Joint resource allocation for hybrid NOMA-assisted MEC in 6G networks. *Digital Communications and Networks*, **2020**, 6, 241-252	5.9	10
262	Resource Allocation for NOMA-MEC Systems in Ultra-Dense Networks: A Learning Aided Mean-Field Game Approach. *IEEE Transactions on Wireless Communications*, **2021**, 20, 1487-1500	9.6	10
261	Performance Analysis of Buffer-Aided Hybrid NOMA/OMA in Cooperative Uplink System. *IEEE Access*, **2019**, 7, 168759-168773	3.5	10
260	Resource Allocation and Trajectory Optimization for UAV-Enabled Multi-User Covert Communications. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 1989-1994	6.8	10
259	Robust Beamforming for AN Aided MISO SWIPT System with Unknown Eavesdroppers and Non-Linear EH Model **2018**,		10

258	On the Impact of User Scheduling on Diversity and Fairness in Cooperative NOMA. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 11296-11301	6.8	10
257	Energy Efficient Resource Optimization for a Downlink NOMA Heterogeneous Small-Cell Network **2018**,		10
256	Adaptive Power Allocation for Uplink Non-Orthogonal Multiple Access With Semi-Grant-Free Transmission. *IEEE Wireless Communications Letters*, **2020**, 9, 1725-1729	5.9	9
255	. *IEEE Transactions on Information Forensics and Security*, **2016**, 11, 1139-1150	8	9
254	Antenna Selection in Full-Duplex Cooperative NOMA Systems **2018**,		9
253	Downlink NOMA Transmission for Low-Latency Short-Packet Communications **2018**,		9
252	Robust Power Allocation in MIMO-NOMA Systems. *IEEE Wireless Communications Letters*, **2019**, 8, 1541-1545	5.9	9
251	Distributed Edge Caching via Reinforcement Learning in Fog Radio Access Networks **2019**,		9
250	**2017**,		9
249	**2015**,		9
248	Semi-Grant-Free NOMA: Ergodic Rates Analysis With Random Deployed Users. *IEEE Wireless Communications Letters*, **2021**, 10, 692-695	5.9	9
247	Harvesting Devices Heterogeneous Energy Profiles and QoS Requirements in IoT: WPT-NOMA vs BAC-NOMA. *IEEE Transactions on Communications*, **2021**, 69, 2837-2850	6.9	9
246	Physical Layer Security Using Two-Path Successive Relaying. *Sensors*, **2016**, 16,	3.8	9
245	A New QoS-Guarantee Strategy for NOMA Assisted Semi-Grant-Free Transmission. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	9
244	**2018**,		9
243	Constellation Rotation Aided Modulation Design for the Multi-User SWIPT-NOMA **2018**,		9
242	On the Application of BAC-NOMA to 6G umMTC. *IEEE Communications Letters*, **2021**, 25, 2678-2682	3.8	9
241	Dynamic User Clustering and Optimal Power Allocation in UAV-Assisted Full-Duplex Hybrid NOMA System. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	9

240	Spectral and energy efficiency analysis for massive MIMO multi-pair two-way relaying networks under generalized power scaling. *Science China Information Sciences*, **2017**, 60, 1	3.4	8
239	A full-cooperative diversity beamformingscheme in two-way amplify-and-forward relay systems. *Digital Communications and Networks*, **2015**, 1, 57-67	5.9	8
238	Secure Outage Analysis for Cooperative NOMA Systems With Antenna Selection. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 4503-4507	6.8	8
237	On the Application of NOMA to Wireless Caching **2018**,		8
236	Relay selection schemes for Cooperative NOMA (C-NOMA) with simultaneous wireless information and power transfer (SWIPT). *Physical Communication*, **2019**, 36, 100823	2.2	8
235	Robust Energy-Efficient Design for MISO Non-Orthogonal Multiple Access Systems. *IEEE Transactions on Communications*, **2019**, 67, 7937-7949	6.9	8
234	On the coexistence of non-orthogonal multiple access and millimeter-wave communications **2017**,		8
233	Power minimization strategies in downlink MIMO-NOMA systems **2017**,		8
232	Application of Analog Network Coding to MIMO Two-Way Relay Channel in Cellular Systems. *IEEE Signal Processing Letters*, **2013**, 20, 641-644	3.2	8
231	. *IEEE Transactions on Communications*, **2021**, 69, 2692-2708	6.9	8
230	A New Design of Hybrid SIC for Improving Transmission Robustness in Uplink NOMA. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 5083-5087	6.8	8
229	. *IEEE Internet of Things Journal*, **2021**, 8, 8145-8158	10.7	8
228	. *IEEE Internet of Things Journal*, **2021**, 8, 7849-7862	10.7	8
227	IRS-Assisted Massive MIMO-NOMA Networks: Exploiting Wave Polarization. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	8
226	Robust 3D-Trajectory and Time Switching Optimization for Dual-UAV-Enabled Secure Communications. *IEEE Journal on Selected Areas in Communications*, **2021**, 1-1	14.2	8
225	. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 6898-6912	6.8	8
224	Beamforming design for MISO non-orthogonal multiple access systems. *IET Communications*, **2017**, 11, 720-725	1.3	7
223	Performance of Downlink NOMA in Vehicular Communication Networks: An Analysis Based on Poisson Line Cox Point Process. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 14001-14006	6.8	7

222	Cache-Aided Non-Orthogonal Multiple Access **2018**,		7
221	Cooperative non-orthogonal relaying for security enhancement in untrusted relay networks **2017**,		7
220	Downlink Power Allocation in SCMA with Finite-Alphabet Constraints **2017**,		7
219	Performance of MIMO-NOMA Downlink Transmissions **2015**,		7
218	. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	7
217	Secure Cooperative Hybrid VLC-RF Systems. *IEEE Transactions on Wireless Communications*, **2020**, 19, 7097-7107	9.6	7
216	Secrecy Performance of NOMA Systems With Energy Harvesting and Full-Duplex Relaying. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 12301-12305	6.8	7
215	On the Performance of Downlink NOMA in Underlay Spectrum Sharing. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 4523-4540	6.8	7
214	Secure multicast communications with private jammers **2016**,		7
213	Optimal Task Partition and Power Allocation for Mobile Edge Computing with NOMA **2019**,		7
212	Successive Interference Cancellation and Fractional Frequency Reuse for LTE Uplink Communications. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 10528-10542	6.8	7
211	Energy Harvesting and Resource Allocation for Cache-Enabled UAV Based IoT NOMA Networks. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 9625-9630	6.8	7
210	Secure NOMA-Based UAV-MEC Network Towards a Flying Eavesdropper. *IEEE Transactions on Communications*, **2022**, 1-1	6.9	7
209	Secure communication in cooperative network with wireless information and power transfer. *IET Signal Processing*, **2015**, 9, 663-669	1.7	6
208	Power Optimization for Enhancing Secrecy of Cooperative User Relaying NOMA Networks. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 8008-8012	6.8	6
207	A coalitional graph game framework for network coding-aided D2D communication. *Eurasip Journal on Advances in Signal Processing*, **2016**, 2016,	1.9	6
206	Modeling Vehicles Mobility for Connectivity Analysis in VANET. *Studies in Systems, Decision and Control*, **2016**, 221-239	0.8	6
205	. *IEEE Transactions on Mobile Computing*, **2019**, 18, 885-895	4.6	6

204	Performance Analysis of Computation Offloading in Fog-Radio Access Networks **2019**,		6
203	Beamforming with opportunistic relaying for wireless security. *IET Communications*, **2014**, 8, 1198-1210	1.3	6
202	Coalition Formation Approaches for Cooperative Networks With SWIPT. *IEEE Access*, **2017**, 5, 17644-17655	3.5	6
201	Energy efficiency in energy harvesting cooperative networks with self-energy recycling **2015**,		6
200	Impact of channel state information on wireless energy harvesting cooperative networks with spatially random relays **2014**,		6
199	On the Broadcast Latency in Finite Cooperative Wireless Networks. *IEEE Transactions on Wireless Communications*, **2012**, 11, 1307-1313	9.6	6
198	. *IEEE Transactions on Wireless Communications*, **2010**, 9, 3701-3713	9.6	6
197	Opportunistic Cooperative Diversity Protocols for Wireless Networks **2007**,		6
196	Massive MIMO-NOMA Networks With Successive Sub-Array Activation. *IEEE Transactions on Wireless Communications*, **2020**, 19, 1622-1635	9.6	6
195	Sum Rate Fairness Trade-off-based Resource Allocation Technique for MISO NOMA Systems **2019**,		6
194	On indoor visible light communication systems with spatially random receiver. *Optics Communications*, **2019**, 431, 29-38	2	6
193	Outage Analysis and Power Allocation for HARQ-CC Enabled NOMA Downlink Transmission **2018**,		6
192	Cooperative Hybrid Non-Orthogonal Multiple Access Based Mobile-Edge Computing in Cognitive Radio Networks. *IEEE Transactions on Cognitive Communications and Networking*, **2022**, 1-1	6.6	6
191	A State-of-the-Art Survey on Reconfigurable Intelligent Surface-Assisted Non-Orthogonal Multiple Access Networks. *Proceedings of the IEEE*, **2022**, 1-22	14.3	6
190	. *IEEE Transactions on Wireless Communications*, **2020**, 19, 6065-6082	9.6	5
189	Fundamental Tradeoffs of Non-Orthogonal Multicast, Multicast, and Unicast in Ultra-Dense Networks. *IEEE Transactions on Communications*, **2018**, 66, 3555-3570	6.9	5
188	Locally Cooperative Interference Mitigation for Small Cell Networks with Non-Orthogonal Multiple Access: A Potential Game Approach **2018**,		5
187	Noncoherent Energy Detection With Orthogonal Signaling for an Uncoded Two-Way Relay Channel. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 404-409	6.8	5

186	Non-Orthogonal Multiple Access (NOMA) for 5G Systems109-132		5
185	Joint relay beamforming and power splitting ratio optimization in a multi-antenna relay network **2014**,		5
184	On the impact of relay-side channel state information on opportunistic relaying **2013**,		5
183	Implementation of microscopic parameters for density estimation of heterogeneous traffic flow for VANET **2010**,		5
182	Cooperative Multiple Access Systems Using Superposition Modulation **2006**,		5
181	A general scheme for equalization of space-time block-coded systems with unknown CSI. *IEEE Transactions on Signal Processing*, **2006**, 54, 2737-2746	4.8	5
180	On Sensing Performance of Multi-antenna Mobile Cognitive Radio conditioned on Primary User Activity Statistics. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	5
179	. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 11112-11127	6.8	5
178	Resource Allocation for Open-Loop Ultra-Reliable and Low-Latency Uplink Communications in Vehicular Networks. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 2590-2604	6.8	5
177	DRL-Assisted Resource Allocation for NOMA-MEC Offloading with Hybrid SIC. *Entropy*, **2021**, 23,	2.8	5
176	Optimal Task Assignment and Power Allocation for Downlink NOMA MEC Networks **2019**,		5
175	A Game-Theoretic Approach of Resource Allocation in NOMA-Based Fog Radio Access Networks **2019**,		5
174	On the Distribution of the Squared Generalized Singular Values and Its Applications. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 1030-1034	6.8	5
173	Exploiting Deep Learning for Secure Transmission in an Underlay Cognitive Radio Network. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 726-741	6.8	5
172	Performance Analysis of NOMA in Vehicular Communications Over i.n.i.d Nakagami-m Fading Channels. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	5
171	Performance Analysis of SWIPT Enabled Cooperative-NOMA in Heterogeneous Networks Using Carrier Sensing. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	5
170	Precoder Design and Statistical Power Allocation for MIMO-NOMA via User-Assisted Simultaneous Diagonalization. *IEEE Transactions on Communications*, **2021**, 69, 929-945	6.9	5
169	UAV-Aided NOMA Networks with Optimization of Trajectory and Precoding **2018**,		5

168	No-Pain No-Gain: DRL Assisted Optimization in Energy-Constrained CR-NOMA Networks. *IEEE Transactions on Communications*, **2021**, 69, 5917-5932	6.9	5
167	Comment on ⮸Optimal Precoding for a QoS Optimization Problem in Two-User MISO-NOMA Downlink⮸*IEEE Communications Letters*, **2017**, 21, 2109-2111	3.8	4
166	On the Delay/Throughput-Security Tradeoff in Wiretap TDMA Networks With Buffered Nodes. *IEEE Transactions on Wireless Communications*, **2019**, 18, 3948-3960	9.6	4
165	Performance analysis of discrete wavelet transform for downlink non-orthogonal multiple access in 5G networks. *IET Communications*, **2020**, 14, 1666-1674	1.3	4
164	Secrecy Energy Efficiency in Multi-Antenna SWIPT Networks With Dual-Layer PS Receivers. *IEEE Transactions on Wireless Communications*, **2020**, 19, 4290-4306	9.6	4
163	Non-Orthogonal Multiple Access Assisted Multi-Region Geocast. *IEEE Access*, **2018**, 6, 2340-2355	3.5	4
162	Achievable Secrecy Rates for Relay-Eavesdropper Channel Based on the Application of Noisy Network Coding. *IEEE Transactions on Information Forensics and Security*, **2018**, 13, 1736-1751	8	4
161	Double Side Signal Splitting SWIPT for Downlink CoMP Transmissions With Capacity Limited Backhaul. *IEEE Communications Letters*, **2016**, 20, 2438-2441	3.8	4
160	Proactive Eavesdropping Using UAV Systems with Full-Duplex Ground Terminals **2018**,		4
159	. *IEEE Access*, **2017**, 5, 24040-24053	3.5	4
158	Biogeography-based optimization with ensemble of migration models for global numerical optimization **2012**,		4
157	Simultaneous information and power transfer in wireless cooperative networks **2013**,		4
156	Approaching MISO Upper Bound: Design of New Wireless Cooperative Transmission Protocols. *IEEE Transactions on Wireless Communications*, **2011**, 10, 2725-2737	9.6	4
155	Linear precoded cooperative transmission protocol for wireless broadcast channels **2009**,		4
154	Direct semi-blind MMSE equalization for STBC. *IEEE Signal Processing Letters*, **2005**, 12, 380-383	3.2	4
153	Hybrid NOMA Offloading in Multi-User MEC Networks. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	4
152	Joint Transmit Precoding and Reflect Beamforming Design for IRS-Assisted MIMO Cognitive Radio Systems. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	4
151	Fast ISOMAP Based on Minimum Set Coverage. *Lecture Notes in Computer Science*, **2010**, 173-179	0.9	4

150	Performance Study of Cognitive Relay NOMA Networks With Dynamic Power Transmission. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 2882-2887	6.8	4
149	A Collaborative Task Offloading Scheme in Vehicular Edge Computing **2021**,		4
148	An electromagnetic feedback method to improve low-frequency response performance of geophone **2016**,		4
147	Secrecy Analysis for Spatially Random UAV Systems **2018**,		4
146	**2018**,		4
145	Interference-Aware NOMA for Cellular-Connected UAVs: Stochastic Geometry Analysis. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 3067-3080	14.2	4
144	An SCA and Relaxation Based Energy Efficiency Optimization for Multi-User RIS-Assisted NOMA Networks. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	4
143	Unsupervised User Clustering in Non-orthogonal Multiple Access **2019**,		3
142	Energy Efficiency Optimization for Secure Transmission in a MIMO-NOMA System **2020**,		3
141	Efficient Transmission in Multiantenna Two-Way AF Relaying Networks. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 4182-4191	6.8	3
140	A game theory approach for user grouping in hybrid non-orthogonal multiple access systems **2016**,		3
139	A Cooperative Scheme for Unmanned Aerial Vehicles in Malfunction Areas **2019**,		3
138	Two-way relay assisted non-orthogonal multiple access. *Computer Communications*, **2019**, 145, 335-344	5.1	3
137	Wireless information and power transfer in full-duplex systems with massive antenna arrays **2017**,		3
136	Wireless information and power transfer using energy harvesting relay with outdated CSI **2014**,		3
135	A Vector Algebraic Algorithm for Coverage Compensation in Hybrid Wireless Sensor Networks. *International Journal of Distributed Sensor Networks*, **2013**, 9, 928528	1.7	3
134	Linear Precoded Cooperative Transmission Protocol for Wireless Broadcast Channels. *IEEE Transactions on Vehicular Technology*, **2011**, 60, 3509-3515	6.8	3
133	Capacity of AF two-way relaying with multiuser scheduling in Nakagami-m fading. *Electronics Letters*, **2012**, 48, 1432	1.1	3

132	Cross-layer routing optimization for wireless networks with cooperative diversity **2008**,		3
131	NOMA Beamforming in SDMA Networks: Riding on Existing Beams or Forming New Ones?. *IEEE Communications Letters*, **2022**, 1-1	3.8	3
130	Achieving Covert Communication by IRS-NOMA **2021**,		3
129	Joint User Grouping and Power Optimization for Secure mmWave-NOMA System. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	3
128	Spectral-Energy Efficiency Trade-off based Design for Hybrid TDMA-NOMA System. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	3
127	Impact of Receiver Orientation on Full-Duplex Relay Aided NOMA Underwater Optical Wireless Systems **2020**,		3
126	The Distribution Characteristics of Ordered GSVD Singular Values and its Applications in MIMO-NOMA. *IEEE Communications Letters*, **2020**, 24, 2719-2722	3.8	3
125	. *IEEE Transactions on Information Theory*, **2016**, 62, 3831-3843	2.8	3
124	Model-Free Based Automated Trajectory Optimization for UAVs toward Data Transmission **2019**,		3
123	Channel Allocation and Power Control for Device-to-Device Communications Underlaying Cellular Networks Incorporated With Non-Orthogonal Multiple Access. *IEEE Access*, **2019**, 7, 168593-168605	3.5	3
122	Physical Layer Security in Cognitive Vehicular Networks. *IEEE Transactions on Communications*, **2021**, 69, 2557-2569	6.9	3
121	Advantages of NOMA for Multi-User BackCom Networks. *IEEE Communications Letters*, **2021**, 1-1	3.8	3
120	Grant-Free Random Access in Machine-Type Communication: Approaches and Challenges. *IEEE Wireless Communications*, **2021**, 1-8	13.4	3
119	Average Power Minimization for Downlink NOMA Transmission with Partial HARQ **2018**,		3
118	Secrecy Analysis in NOMA Full-Duplex Relaying Networks With Artificial Jamming. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 8781-8794	6.8	3
117	Aerial Computing: A New Computing Paradigm, Applications, and Challenges. *IEEE Internet of Things Journal*, **2022**, 1-1	10.7	3
116	Game Combined Multi-Agent Reinforcement Learning Approach for UAV Assisted Offloading. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 12888-12901	6.8	3
115	On the Performance of Laser-Powered UAV-Assisted SWIPT Enabled Multiuser Communication Network with Hybrid NOMA. *IEEE Transactions on Communications*, **2022**, 1-1	6.9	3

114	Probabilistic Jamming/Eavesdropping Attacks to Confuse a Buffer-Aided Transmitter-Receiver Pair. *IEEE Communications Letters*, **2017**, 21, 1549-1552	3.8	2
113	Unsupervised Learning Approaches for User Clustering in NOMA enabled Aerial SWIPT Networks **2019**,		2
112	Wiretap TDMA Networks With Energy-Harvesting Rechargeable-Battery Buffered Sources. *IEEE Access*, **2019**, 7, 17215-17229	3.5	2
111	. *IEEE Transactions on Wireless Communications*, **2019**, 18, 2765-2776	9.6	2
110	Mapping grid based online taxi anomalous trajectory detection. *International Journal of Systems Science*, **2020**, 51, 1589-1603	2.3	2
109	Large System Analysis of Linear Precoding in Massive MIMO Relay Systems **2018**,		2
108	Resource Management in Future Millimeter Wave Small-Cell Networks: Joint PHY-MAC Layer Design. *IEEE Access*, **2019**, 7, 76910-76919	3.5	2
107	Downlink Precoder Design for Two-User Power-Domain MIMO-NOMA with Excess Degrees of Freedom **2019**,		2
106	Precoding design for interference suppression in multi-cell multi-user networks. *IET Communications*, **2014**, 8, 1534-1540	1.3	2
105	Performance of MIMO-NOMA Downlink Transmissions **2014**,		2
104	A Hybrid Cooperative Coding Scheme for the Relay-Eavesdropper Channel. *Entropy*, **2014**, 16, 1819-1841	2.8	2
103	Distributed coalition formation algorithms for cooperative broadcast networks with SWIPT **2014**,		2
102	Capacity-Approaching Signal Constellations for the Additive Exponential Noise Channel. *IEEE Wireless Communications Letters*, **2012**, 1, 320-323	5.9	2
101	Transmission Delay Analysis with Finite Coding Length in Wireless Cooperative Networks **2009**,		2
100	Orthogonal local spline discriminant projection with application to face recognition. *Pattern Recognition Letters*, **2011**, 32, 615-625	4.7	2
99	On the Design of a Quality-Of-Service Driven Routing Protocol for Wireless Cooperative Networks. *IEEE Vehicular Technology Conference*, **2008**,	0.1	2
98	Joint Channel Estimation and Symbol Detection for Orthogonal Space-Time Block-Coding Systems in Frequency-Selective Channels. *IEEE Transactions on Vehicular Technology*, **2007**, 56, 2475-2486	6.8	2
97	Impact of Primary User Activity Statistics in Cognitive Vehicular Networks. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	2

96	UAV-Enabled NOMA Networks Analysis With Selective Incremental Relaying and Imperfect CSI. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 16276-16281	6.8	2
95	Research on the Vulnerability of Software Defined Network **2017**,		2
94	A Meta-Learning Framework for Learning Multi-User Preferences in QoE Optimization of DASH. *IEEE Transactions on Circuits and Systems for Video Technology*, **2020**, 30, 3210-3225	6.4	2
93	Diversity Gain Analysis of Distributed CDD Systems in Non-Identical Fading Channels. *IEEE Transactions on Communications*, **2020**, 68, 7218-7231	6.9	2
92	Application of NOMA for cellular-connected UAVs: opportunities and challenges. *Science China Information Sciences*, **2021**, 64, 1	3.4	2
91	Interference Cancellation via D2D CSI Sharing for MU-MISO-NOMA System With Limited Feedback. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 4569-4584	6.8	2
90	On secrecy outage of MISO SWIPT systems in the presence of imperfect CSI **2016**,		2
89	RSS-based localization of isotropically decaying source with unknown power and pathloss factor. *Chaos, Solitons and Fractals*, **2016**, 89, 391-396	9.3	2
88	Resource Allocation for NOMA MEC Offloading **2019**,		2
87	Joint Optimization of Task Assignment and Power Allocation for NOMA-Aided MEC Systems **2019**,		2
86	. *IEEE Internet of Things Journal*, **2021**, 8, 4802-4815	10.7	2
85	Design and Analysis of Full-Duplex Massive Antenna Array Systems Based on Wireless Power Transfer. *IEEE Transactions on Communications*, **2021**, 69, 1302-1316	6.9	2
84	Semi-Grant-Free NOMA: A Stochastic Geometry Model. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	2
83	Downlink Multi-Carrier NOMA with Opportunistic Bandwidth Allocations. *IEEE Wireless Communications Letters*, **2021**, 1-1	5.9	2
82	Cooperative Game Aided Spectrum Sharing in Underlay Cognitive Radio Networks Employing NOMA Schemes **2018**,		2
81	Cooperative Hybrid VLC-RF Systems for WSNs **2018**,		2
80	Nonorthogonal Multiple Access for 5G **2018**, 135-204		2
79	IEEE Access Special Section Editorial: Non-Orthogonal Multiple Access for 5G Systems. *IEEE Access*, **2018**, 6, 79280-79284	3.5	2

78	Design of THz-NOMA in the Presence of Beam Misalignment. *IEEE Communications Letters*, **2022**, 1-1	3.8	2
77	Taxi Driving Anomalous Route Detection Using GPS Sampling Data. *Communications in Computer and Information Science*, **2017**, 304-312	0.3	1
76	Introduction to the Issue on Signal Processing Advances for Non-Orthogonal Multiple Access in Next Generation Wireless Networks. *IEEE Journal on Selected Topics in Signal Processing*, **2019**, 13, 388-391	7.5	1
75	Optimizing QoE of Multiple Users over DASH: A Meta-learning Approach **2019**,		1
74	An online anomaly detection method for stream data using isolation principle and statistic histogram. *International Journal of Modeling, Simulation, and Scientific Computing*, **2015**, 06, 1550017	0.8	1
73	Security Provisioning for Non-Orthogonal Multiple Access Networks With Limited Feedback. *IEEE Wireless Communications Letters*, **2020**, 9, 1226-1229	5.9	1
72	Capacity Analysis of Asymmetric Multi-Antenna Relay Systems Using Free Probability Theory **2019**,		1
71	User Pairing in Non-Orthogonal Multiple Access Downlink Transmissions **2014**,		1
70	Power Allocation for Cooperative Non-Orthogonal Multiple Access Systems **2017**,		1
69	Maximizing SINR for non-orthogonal multiple access with bounded channel uncertainties **2017**,		1
68	Performance analysis of non-regenerative relay assisted NOMA system **2017**,		1
67	The application of SWIPT to a cooperative full duplex network **2015**,		1
66	User scheduling in wireless information and power transfer networks **2014**,		1
65	Network coding with diversity and outdated channel state information. *Journal of Modern Transportation*, **2012**, 20, 261-267	3.7	1
64	An improved achievable secrecy rate for the relay-eavesdropper channel **2013**,		1
63	TOA-Based Source Localization: A Linearization Approach Adopting Coordinate System Translation. *International Journal of Distributed Sensor Networks*, **2013**, 9, 379369	1.7	1
62	Joint Beamforming and Power Allocation for MIMO Two-Way Relaying Channels **2011**,		1
61	Application of joint source-relay scheduling to cooperative multiple access channels **2009**,		1

60	A General Transmission Scheme for Bi-Directional Communication by Using Eigenmode Sharing. *IEEE Journal on Selected Areas in Communications*, **2012**, 30, 1477-1488	14.2	1
59	Performance analysis of dual relay selection scheme in two-way amplify-and-forward relay channel **2012**,		1
58	Outage performance of cognitive radio wireless network with secondary relaying **2012**,		1
57	Distributed STBC for Single Carrier Relay-Assisted Transmissions Over Frequency-Selective Channels **2008**,		1
56	On the Performance of Cooperative Communication via Best Relay Path **2007**,		1
55	Adaptive Semi-Blind ICA-based Spatial Equalization for MIMO Rayleigh Fading Channels with Optimal Step Size		1
54	Semi-blind equalization for space time block codes and its ambiguity analysis **2004**,		1
53	Network NOMA for Co-existence of Aerial and Terrestrial Users **2020**,		1
52	Performance Analysis of UAV-Assisted Short-Packet Cooperative Communications. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	1
51	Secure Beamforming Optimization for IRS-NOMA Networks via Artificial Jamming **2021**,		1
50	Reduced-Complexity Constellation Mapping and Decoding in Wireless Multi-Way Relaying Networks. *IEICE Transactions on Communications*, **2014**, E97.B, 702-711	0.5	1
49	Online Anomaly Detection Method Based on BBO Ensemble Pruning in Wireless Sensor Networks. *Communications in Computer and Information Science*, **2014**, 160-169	0.3	1
48	A dCDD-Based Transmit Diversity for NOMA Systems **2020**,		1
47	Cross Validation Aided Approximated Message Passing Algorithm for User Identification in mMTC. *IEEE Communications Letters*, **2021**, 25, 2077-2081	3.8	1
46	GSVD-Based MIMO-NOMA Security Transmission. *IEEE Wireless Communications Letters*, **2021**, 10, 1484-1487	5.9	1
45	A new digital pulse processing method for 2β and 2ε emitter measurement. *Nuclear Science and Techniques/Hewuli*, **2016**, 27, 1	2.1	1
44	Cooperative secrecy transmission in multi-hop relay networks with interference alignment. *IET Communications*, **2019**, 13, 1379-1389	1.3	1
43	D2D Group Association and Channel Assignment in Uplink Multi-Cell NOMA Networks **2019**,		1

42	Optimal Design and Orchestration of Mobile Edge Computing with Energy Awareness. *IEEE Transactions on Sustainable Computing*, **2021**, 1-1	3.5	1
41	Secure Content Delivery in Two-Tier Cache-Enabled mmWave Heterogeneous Networks. *IEEE Transactions on Information Forensics and Security*, **2021**, 16, 1640-1654	8	1
40	Resource Allocation for Energy-Efficient NOMA System in Coordinated Multi-Point Networks. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 1577-1591	6.8	1
39	A dCDD-Based Transmit Diversity Scheme for Downlink Pseudo-NOMA Systems. *IEEE Transactions on Wireless Communications*, **2021**, 20, 1217-1232	9.6	1
38	On the Outage Performance of Network NOMA (N-NOMA) Modeled by Poisson Line Cox Point Process. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 7936-7950	6.8	1
37	A Joint Beamforming and Power-Splitter Optimization Technique for SWIPT in MISO-NOMA System. *IEEE Access*, **2021**, 9, 33018-33029	3.5	1
36	A Wireless Power Transfer Assisted NOMA Transmission Scheme for 5G and Beyond mMTC. *IEEE Wireless Communications Letters*, **2022**, 1-1	5.9	1
35	Outage Performance of Satellite Terrestrial Full-Duplex Relaying Networks with Co-Channel Interference. *IEEE Wireless Communications Letters*, **2022**, 1-1	5.9	1
34	A Calculation Software for 4□Coincidence Counting. *IEEE Transactions on Nuclear Science*, **2018**, 65, 2350-2356	1.7	0
33	Deep Reinforcement Learning Based Multidimensional Resource Management for Energy Harvesting Cognitive NOMA Communications. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	0
32	Analog Beamforming mm-Wave Two User Non-Orthogonal Multiple Access. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2021**, 66-76	0.2	0
31	Lightwave Power Transfer in Full-Duplex NOMA Underwater Optical Wireless Communication Systems. *IEEE Communications Letters*, **2022**, 1-1	3.8	0
30	What Is NOMA?. *SpringerBriefs in Computer Science*, **2020**, 7-12	0.4	0
29	On the Effective Rate of NOMA in Underlay Spectrum Sharing. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	0
28	Aerial-Terrestrial Network NOMA for Cellular-Connected UAVs. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	0
27	Secrecy sum rate maximization for a MIMO-NOMA uplink transmission in 6G networks. *Physical Communication*, **2022**, 53, 101675	2.2	0
26	New Antenna Selection Schemes for Full-Duplex Cooperative MIMO-NOMA Systems. *IEEE Transactions on Communications*, **2022**, 1-1	6.9	0
25	Heterogeneous cloud radio access networks [Guest Editorial]. *IEEE Wireless Communications*, **2015**, 22, 12-13	13.4	

24   Conclusions and Future Research Directions for NOMA **2019**, 669-677

23   Interference masking for secure wireless broadcast communications. *IET Communications*, **2014**, 8, 1184-1197   1.1

22   Linear Detection for Cooperative Multiple-Access Transmission Protocols. *IEEE Transactions on Vehicular Technology*, **2013**, 62, 2807-2812   6.8

21   On the Study of Secrecy Capacity with Outdated CSI. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2017**, 87-97   0.2

20   A Data Key Distribution Protocol Applied to HIP-multicast Model. *Procedia Engineering*, **2012**, 29, 710-715

19   Achievable secrecy rate of bit-interleaved coded modulation schemes. *Journal of Modern Transportation*, **2012**, 20, 243-248   3.7

18   On the Position Optimization of IRS. *IEEE Internet of Things Journal*, **2021**, 1-1   10.7

17   Efficient Beamforming Design for Cellular Networks with Energy-Constrained Devices **2020**, 381-390

16   Artificial Noise Aided Secure Communications for Cooperative NOMA Networks. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 1-1   6.6

15   Security in NOMA. *SpringerBriefs in Computer Science*, **2020**, 67-87   0.4

14   Compatibility in NOMA. *SpringerBriefs in Computer Science*, **2020**, 15-44   0.4

13   Sustainability of NOMA. *SpringerBriefs in Computer Science*, **2020**, 45-65   0.4

12   Full-Duplex Non-Orthogonal Multiple Access Systems **2020**, 181-218

11   Application of GSVD-based precoding in MIMO-NOMA relaying systems. *IET Communications*, **2020**, 14, 3802-3812   1.3

10   A Novel Distributed Online Anomaly Detection Method in Resource-Constrained Wireless Sensor Networks. *International Journal of Distributed Sensor Networks*, **2015**, 2015, 1-12   1.7

9   Orthogonal Discriminant Local Tangent Space Alignment. *Lecture Notes in Computer Science*, **2010**, 423-429

8   . *IEEE Vehicular Technology Magazine*, **2020**, 15, 46-53   9.9

7   An HARQ Assisted Cognitive NOMA Scheme for Secure Transmission With Imperfect SIC. *IEEE Transactions on Communications*, **2021**, 69, 1930-1946   6.9

6	Isolation Forest Wrapper Approach for Feature Selection in Software Defect Prediction. *IOP Conference Series: Materials Science and Engineering*, **2021**, 1043, 032030	0.4
5	Hierarchical Multiple Access (HiMA) for Fog-RAN: Protocol Design and Resource Allocation. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6
4	NOMA and Coded Multicasting in Cache-Aided Wireless Networks. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6
3	IEEE ACCESS Special Section Editorial: Energy Efficient Wireless Communications With Energy Harvesting and Wireless Power Transfer. *IEEE Access*, **2018**, 6, 72041-72045	3.5
2	Special Issue on Next Generation Multiple Access-Part I. *IEEE Journal on Selected Areas in Communications*, **2022**, 40, 1031-1036	14.2
1	Guest Editorial Special Issue on Next Generation Multiple Access-Part II. *IEEE Journal on Selected Areas in Communications*, **2022**, 40, 1387-1391	14.2