

Robert Schober

List of Publications by Year in descending order

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381
papers

27,615
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9786

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all docs

391
docs citations

391
times ranked

13474
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomous Demand-Side Management Based on Game-Theoretic Energy Consumption Scheduling for the Future Smart Grid. IEEE Transactions on Smart Grid, 2010, 1, 320-331.	9.0	2,369
2	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.	14.0	1,775
3	Practical Non-Linear Energy Harvesting Model and Resource Allocation for SWIPT Systems. IEEE Communications Letters, 2015, 19, 2082-2085.	4.1	743
4	Simultaneous wireless information and power transfer in modern communication systems. , 2014, 52, 104-110.		737
5	Optimal Real-Time Pricing Algorithm Based on Utility Maximization for Smart Grid. , 2010, , .		712
6	Advanced Demand Side Management for the Future Smart Grid Using Mechanism Design. IEEE Transactions on Smart Grid, 2012, 3, 1170-1180.	9.0	654
7	Energy-Efficient Resource Allocation in OFDMA Systems with Large Numbers of Base Station Antennas. IEEE Transactions on Wireless Communications, 2012, 11, 3292-3304.	9.2	473
8	A General MIMO Framework for NOMA Downlink and Uplink Transmission Based on Signal Alignment. IEEE Transactions on Wireless Communications, 2016, 15, 4438-4454.	9.2	463
9	User Association in 5G Networks: A Survey and an Outlook. IEEE Communications Surveys and Tutorials, 2016, 18, 1018-1044.	39.4	462
10	Wireless Information and Power Transfer: Energy Efficiency Optimization in OFDMA Systems. IEEE Transactions on Wireless Communications, 2013, 12, 6352-6370.	9.2	458
11	Robust Beamforming for Secure Communication in Systems With Wireless Information and Power Transfer. IEEE Transactions on Wireless Communications, 2014, 13, 4599-4615.	9.2	455
12	Optimal Joint Power and Subcarrier Allocation for Full-Duplex Multicarrier Non-Orthogonal Multiple Access Systems. IEEE Transactions on Communications, 2017, 65, 1077-1091.	7.8	442
13	Robust and Secure Wireless Communications via Intelligent Reflecting Surfaces. IEEE Journal on Selected Areas in Communications, 2020, 38, 2637-2652.	14.0	435
14	An Overview of Sustainable Green 5G Networks. IEEE Wireless Communications, 2017, 24, 72-80.	9.0	427
15	Multiple-antenna techniques for wireless communications - a comprehensive literature survey. IEEE Communications Surveys and Tutorials, 2009, 11, 87-105.	39.4	405
16	Application of smart antenna technologies in simultaneous wireless information and power transfer. , 2015, 53, 86-93.		380
17	Transmit Antenna Selection for Security Enhancement in MIMO Wiretap Channels. IEEE Transactions on Communications, 2013, 61, 144-154.	7.8	355
18	Massive Access for 5G and Beyond. IEEE Journal on Selected Areas in Communications, 2021, 39, 615-637.	14.0	347

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19	Optimal and autonomous incentive-based energy consumption scheduling algorithm for smart grid. , 2010, , .		345
20	Energy-Efficient Resource Allocation in Multi-Cell OFDMA Systems with Limited Backhaul Capacity. IEEE Transactions on Wireless Communications, 2012, 11, 3618-3631.	9.2	330
21	Performance analysis of MIMO free-space optical systems in gamma-gamma fading. IEEE Transactions on Communications, 2009, 57, 3415-3424.	7.8	308
22	Energy-Efficient Resource Allocation for Wireless Powered Communication Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2312-2327.	9.2	299
23	Energy-Efficient Resource Allocation for Secure OFDMA Systems. IEEE Transactions on Vehicular Technology, 2012, 61, 2572-2585.	6.3	296
24	Optimal 3D-Trajectory Design and Resource Allocation for Solar-Powered UAV Communication Systems. IEEE Transactions on Communications, 2019, 67, 4281-4298.	7.8	285
25	Robust Resource Allocation for MIMO Wireless Powered Communication Networks Based on a Non-Linear EH Model. IEEE Transactions on Communications, 2017, 65, 1984-1999.	7.8	270
26	Max-Max Relay Selection for Relays with Buffers. IEEE Transactions on Wireless Communications, 2012, 11, 1124-1135.	9.2	267
27	Secure Massive MIMO Transmission With an Active Eavesdropper. IEEE Transactions on Information Theory, 2016, 62, 3880-3900.	2.4	264
28	Secure Transmission in Multicell Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2014, 13, 4766-4781.	9.2	257
29	Improving Receiver Performance of Diffusive Molecular Communication With Enzymes. IEEE Transactions on Nanobioscience, 2014, 13, 31-43.	3.3	240
30	Energy-Efficient Resource Allocation in OFDMA Systems with Hybrid Energy Harvesting Base Station. IEEE Transactions on Wireless Communications, 2013, 12, 3412-3427.	9.2	217
31	Enabling Secure Wireless Communications via Intelligent Reflecting Surfaces. , 2019, , .		210
32	Buffer-Aided Relaying with Adaptive Link Selection. IEEE Journal on Selected Areas in Communications, 2013, 31, 1530-1542.	14.0	206
33	Compressive Sensing-Based Adaptive Active User Detection and Channel Estimation: Massive Access Meets Massive MIMO. IEEE Transactions on Signal Processing, 2020, 68, 764-779.	5.3	205
34	A Comprehensive Overview on 5G-and-Beyond Networks With UAVs: From Communications to Sensing and Intelligence. IEEE Journal on Selected Areas in Communications, 2021, 39, 2912-2945.	14.0	202
35	Physics-Based Modeling and Scalable Optimization of Large Intelligent Reflecting Surfaces. IEEE Transactions on Communications, 2021, 69, 2673-2691.	7.8	200
36	Spectral and Energy-Efficient Wireless Powered IoT Networks: NOMA or TDMA?. IEEE Transactions on Vehicular Technology, 2018, 67, 6663-6667.	6.3	198

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37	Simultaneously Transmitting and Reflecting (STAR) RIS Aided Wireless Communications. IEEE Transactions on Wireless Communications, 2022, 21, 3083-3098.	9.2	197
38	Optimal Receiver Design for Diffusive Molecular Communication With Flow and Additive Noise. IEEE Transactions on Nanobioscience, 2014, 13, 350-362.	3.3	196
39	Amplify-and-Forward Relay Selection with Outdated Channel Estimates. IEEE Transactions on Communications, 2012, 60, 1278-1290.	7.8	195
40	Multiobjective Resource Allocation for Secure Communication in Cognitive Radio Networks With Wireless Information and Power Transfer. IEEE Transactions on Vehicular Technology, 2016, 65, 3166-3184.	6.3	190
41	Load Scheduling and Power Trading in Systems With High Penetration of Renewable Energy Resources. IEEE Transactions on Smart Grid, 2016, 7, 1802-1812.	9.0	183
42	Dynamic Resource Allocation in MIMO-OFDMA Systems with Full-Duplex and Hybrid Relaying. IEEE Transactions on Communications, 2012, 60, 1291-1304.	7.8	178
43	Direct Electricity Trading in Smart Grid: A Coalitional Game Analysis. IEEE Journal on Selected Areas in Communications, 2014, 32, 1398-1411.	14.0	171
44	Evolution of NOMA Toward Next Generation Multiple Access (NGMA) for 6G. IEEE Journal on Selected Areas in Communications, 2022, 40, 1037-1071.	14.0	168
45	Buffer-Aided Relaying With Adaptive Link Selection—Fixed and Mixed Rate Transmission. IEEE Transactions on Information Theory, 2013, 59, 2816-2840.	2.4	163
46	Resource Allocation for IRS-Assisted Full-Duplex Cognitive Radio Systems. IEEE Transactions on Communications, 2020, 68, 7376-7394.	7.8	162
47	Linear Precoding of Data and Artificial Noise in Secure Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2016, 15, 2245-2261.	9.2	159
48	MISO Wireless Communication Systems via Intelligent Reflecting Surfaces : (Invited Paper). , 2019, , .		158
49	Secure and Green SWIPT in Distributed Antenna Networks With Limited Backhaul Capacity. IEEE Transactions on Wireless Communications, 2015, 14, 5082-5097.	9.2	153
50	Tackling the Load Uncertainty Challenges for Energy Consumption Scheduling in Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 1007-1016.	9.0	148
51	Residential Demand Side Management Under High Penetration of Rooftop Photovoltaic Units. IEEE Transactions on Smart Grid, 2016, 7, 1597-1608.	9.0	147
52	Mimicking Full-Duplex Relaying Using Half-Duplex Relays With Buffers. IEEE Transactions on Vehicular Technology, 2012, 61, 3025-3037.	6.3	145
53	Delay Minimization for NOMA-MEC Offloading. IEEE Signal Processing Letters, 2018, 25, 1875-1879.	3.6	144
54	Secure Transmission With Antenna Selection in MIMO Nakagami- m Fading Channels. IEEE Transactions on Wireless Communications, 2014, 13, 6054-6067.	9.2	142

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55	A Survey on Millimeter-Wave Beamforming Enabled UAV Communications and Networking. IEEE Communications Surveys and Tutorials, 2022, 24, 557-610.	39.4	135
56	Joint Power Allocation and Relay Selection in Energy Harvesting AF Relay Systems. IEEE Wireless Communications Letters, 2013, 2, 239-242.	5.0	134
57	Multi-Objective Optimization for Robust Power Efficient and Secure Full-Duplex Wireless Communication Systems. IEEE Transactions on Wireless Communications, 2016, 15, 5511-5526.	9.2	131
58	Relay Selection Protocols for Relay-Assisted Free-Space Optical Systems. Journal of Optical Communications and Networking, 2013, 5, 92.	4.8	129
59	Bit-interleaved coded modulation for hybrid RF/FSO systems. IEEE Transactions on Communications, 2009, 57, 3753-3763.	7.8	124
60	Resource Allocation for Secure IRS-Assisted Multiuser MISO Systems. , 2019, , .		117
61	Robust and Secure Resource Allocation for Full-Duplex MISO Multicarrier NOMA Systems. IEEE Transactions on Communications, 2018, 66, 4119-4137.	7.8	115
62	Fast multiple-symbol detection for free-space optical communications. IEEE Transactions on Communications, 2009, 57, 1119-1128.	7.8	112
63	Optimal Joint Power and Subcarrier Allocation for MC-NOMA Systems. , 2016, , .		110
64	Real-Time Pricing for Demand Response Based on Stochastic Approximation. IEEE Transactions on Smart Grid, 2014, 5, 789-798.	9.0	106
65	Millimeter-Wave Full-Duplex UAV Relay: Joint Positioning, Beamforming, and Power Control. IEEE Journal on Selected Areas in Communications, 2020, 38, 2057-2073.	14.0	105
66	Secure Resource Allocation and Scheduling for OFDMA Decode-and-Forward Relay Networks. IEEE Transactions on Wireless Communications, 2011, 10, 3528-3540.	9.2	99
67	OTFS-NOMA: An Efficient Approach for Exploiting Heterogenous User Mobility Profiles. IEEE Transactions on Communications, 2019, 67, 7950-7965.	7.8	98
68	Resource Allocation and Scheduling in Multi-Cell OFDMA Systems with Decode-and-Forward Relaying. IEEE Transactions on Wireless Communications, 2011, 10, 2246-2258.	9.2	95
69	EDFA-Based All-Optical Relaying in Free-Space Optical Systems. IEEE Transactions on Communications, 2012, 60, 3797-3807.	7.8	95
70	Power Efficient Resource Allocation for Full-Duplex Radio Distributed Antenna Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2896-2911.	9.2	95
71	NOMA Assisted Wireless Caching: Strategies and Performance Analysis. IEEE Transactions on Communications, 2018, 66, 4854-4876.	7.8	92
72	Distributed transmit power allocation for multihop cognitive-radio systems. IEEE Transactions on Wireless Communications, 2009, 8, 5187-5201.	9.2	90

#	ARTICLE	IF	CITATIONS
73	Achievable Rate Region of the Bidirectional Buffer-Aided Relay Channel With Block Fading. IEEE Transactions on Information Theory, 2014, 60, 7090-7111.	2.4	89
74	On the Outage Performance of Non-Orthogonal Multiple Access With 1-bit Feedback. IEEE Transactions on Wireless Communications, 2016, 15, 6716-6730.	9.2	89
75	User-Centric Energy Efficiency Maximization for Wireless Powered Communications. IEEE Transactions on Wireless Communications, 2016, 15, 6898-6912.	9.2	88
76	MIMO Wiretap Channels: Secure Transmission Using Transmit Antenna Selection and Receive Generalized Selection Combining. IEEE Communications Letters, 2013, 17, 1754-1757.	4.1	87
77	Cross-Layer Scheduling for OFDMA Amplify-and-Forward Relay Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 1443-1458.	6.3	86
78	Outage Analysis of Multihop Full Duplex Relaying. IEEE Communications Letters, 2013, 17, 63-66.	4.1	85
79	Energy-efficient resource allocation in multiuser OFDM systems with wireless information and power transfer. , 2013, , .		83
80	Comprehensive Reactive Receiver Modeling for Diffusive Molecular Communication Systems: Reversible Binding, Molecule Degradation, and Finite Number of Receptors. IEEE Transactions on Nanobioscience, 2016, 15, 713-727.	3.3	80
81	Analysis and Design of Secure Massive MIMO Systems in the Presence of Hardware Impairments. IEEE Transactions on Wireless Communications, 2017, 16, 2001-2016.	9.2	80
82	Smart and Reconfigurable Wireless Communications: From IRS Modeling to Algorithm Design. IEEE Wireless Communications, 2021, 28, 118-125.	9.0	75
83	Optimal energy consumption scheduling using mechanism design for the future smart grid. , 2011, , .		74
84	Joint Channel Parameter Estimation via Diffusive Molecular Communication. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2015, 1, 4-17.	2.1	73
85	IRS-Assisted Wireless Powered NOMA: Do We Really Need Different Phase Shifts in DL and UL?. IEEE Wireless Communications Letters, 2021, 10, 1493-1497.	5.0	73
86	Power Allocation for Conventional and Buffer-Aided Link Adaptive Relaying Systems with Energy Harvesting Nodes. IEEE Transactions on Wireless Communications, 2014, 13, 1182-1195.	9.2	69
87	Linear Precoding for the MIMO Multiple Access Channel With Finite Alphabet Inputs and Statistical CSI. IEEE Transactions on Wireless Communications, 2015, 14, 983-997.	9.2	68
88	Link Allocation for Multiuser Systems With Hybrid RF/FSO Backhaul: Delay-Limited and Delay-Tolerant Designs. IEEE Transactions on Wireless Communications, 2016, 15, 3281-3295.	9.2	66
89	NOMA Meets Finite Resolution Analog Beamforming in Massive MIMO and Millimeter-Wave Networks. IEEE Communications Letters, 2017, 21, 1879-1882.	4.1	66
90	Power Allocation for an Energy Harvesting Transmitter with Hybrid Energy Sources. IEEE Transactions on Wireless Communications, 2013, 12, 6255-6267.	9.2	65

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91	Adaptive L_1 -Norm Spectrum Sensing for Cognitive Radio Networks. IEEE Transactions on Communications, 2011, 59, 1934-1945.	7.8	63
92	Resource Management for Device-to-Device Communication: A Physical Layer Security Perspective. IEEE Journal on Selected Areas in Communications, 2018, 36, 946-960.	14.0	63
93	Resource Allocation for Multi-User Downlink MISO OFDMA-URLLC Systems. IEEE Transactions on Communications, 2020, 68, 7184-7200.	7.8	62
94	Bidirectional Buffer-Aided Relay Networks With Fixed Rate Transmission—Part II: Delay-Constrained Case. IEEE Transactions on Wireless Communications, 2015, 14, 1339-1355.	9.2	59
95	Robust Chance-Constrained Optimization for Power-Efficient and Secure SWIPT Systems. IEEE Transactions on Green Communications and Networking, 2017, 1, 333-346.	5.5	59
96	Throughput and Diversity Gain of Buffer-Aided Relaying. , 2011, , .		58
97	Combined relay selection and cooperative beamforming for physical layer security. Journal of Communications and Networks, 2012, 14, 364-373.	2.6	56
98	A Unifying Model for External Noise Sources and ISI in Diffusive Molecular Communication. IEEE Journal on Selected Areas in Communications, 2014, 32, 2330-2343.	14.0	56
99	Power-Efficient and Secure WPCNs With Hardware Impairments and Non-Linear EH Circuit. IEEE Transactions on Communications, 2018, 66, 2642-2657.	7.8	56
100	Stochastic Channel Modeling for Diffusive Mobile Molecular Communication Systems. IEEE Transactions on Communications, 2018, 66, 6205-6220.	7.8	55
101	On space-time coding for free-space optical systems. IEEE Transactions on Communications, 2010, 58, 58-62.	7.8	54
102	Cache-Enabled Physical Layer Security for Video Streaming in Backhaul-Limited Cellular Networks. IEEE Transactions on Wireless Communications, 2018, 17, 736-751.	9.2	54
103	Dynamic Decode-and-Forward Based Cooperative NOMA With Spatially Random Users. IEEE Transactions on Wireless Communications, 2018, 17, 3340-3356.	9.2	54
104	Using dimensional analysis to assess scalability and accuracy in molecular communication. , 2013, , .		53
105	Secure Transmission with Large Numbers of Antennas and Finite Alphabet Inputs. IEEE Transactions on Communications, 2017, , 1-1.	7.8	53
106	IRS-Assisted Green Communication Systems: Provable Convergence and Robust Optimization. IEEE Transactions on Communications, 2021, 69, 6313-6329.	7.8	52
107	Performance analysis of a multi-hop power line communication system over log-normal fading in presence of impulsive noise. IET Communications, 2015, 9, 1-9.	2.2	49
108	Low-Complexity MIMO Precoding for Finite-Alphabet Signals. IEEE Transactions on Wireless Communications, 2017, 16, 4571-4584.	9.2	46

#	ARTICLE	IF	CITATIONS
109	On the Design of Matched Filters for Molecule Counting Receivers. IEEE Communications Letters, 2017, 21, 1711-1714.	4.1	46
110	Simulating with AcCoRD: Actor-based Communication via Reactionâ€“Diffusion. Nano Communication Networks, 2017, 11, 44-75.	2.9	46
111	Optimal Beamforming for MISO Communications via Intelligent Reflecting Surfaces. , 2020, , .		46
112	Hybrid NOMA Offloading in Multi-User MEC Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5377-5391.	9.2	45
113	An Analysis of Price Competition in Heterogeneous Electric Vehicle Charging Stations. IEEE Transactions on Smart Grid, 2019, 10, 3990-4002.	9.0	42
114	A Survey of Molecular Communication in Cell Biology: Establishing a New Hierarchy for Interdisciplinary Applications. IEEE Communications Surveys and Tutorials, 2021, 23, 1494-1545.	39.4	42
115	Optimization of Aggregate Capacity of PEVs for Frequency Regulation Service in Day-Ahead Market. IEEE Transactions on Smart Grid, 2018, 9, 3519-3529.	9.0	41
116	Energy-efficient power allocation in OFDM systems with wireless information and power transfer. , 2013, , .		40
117	Performance analysis of a power line communication system employing selection combining in correlated logâ€“normal channels and impulsive noise. IET Communications, 2014, 8, 1072-1082.	2.2	40
118	Coverage and Rate Analysis of Millimeter Wave NOMA Networks With Beam Misalignment. IEEE Transactions on Wireless Communications, 2018, 17, 8211-8227.	9.2	39
119	Diversity Analysis of Multi-User Multi-Relay Networks. IEEE Transactions on Wireless Communications, 2011, 10, 2380-2389.	9.2	38
120	Ion Channel Based Bio-Synthetic Modulator for Diffusive Molecular Communication. IEEE Transactions on Nanobioscience, 2016, 15, 418-432.	3.3	38
121	Equalization for DS-UWB Systemsâ€“Part I: BPSK Modulation. IEEE Transactions on Communications, 2007, 55, 1164-1173.	7.8	37
122	Performance and Optimization of Amplify-and-Forward Cooperative Diversity Systems in Generic Noise and Interference. IEEE Transactions on Wireless Communications, 2011, 10, 1132-1143.	9.2	37
123	Achievable Rates for the Fading Half-Duplex Single Relay Selection Network Using Buffer-Aided Relaying. IEEE Transactions on Wireless Communications, 2015, 14, 4494-4507.	9.2	36
124	On Noncoherent Receivers for DSTM in Spatially Correlated Fading. IEEE Transactions on Communications, 2009, 57, 2886-2890.	7.8	35
125	Performance of BICM-SC and BICM-OFDM systems with diversity reception in non-gaussian noise and interference. IEEE Transactions on Communications, 2009, 57, 3316-3327.	7.8	35
126	Bidirectional Buffer-Aided Relay Networks With Fixed Rate Transmissionâ€“Part I: Delay-Unconstrained Case. IEEE Transactions on Wireless Communications, 2015, 14, 1323-1338.	9.2	35

#	ARTICLE	IF	CITATIONS
127	Buffers Improve the Performance of Relay Selection. , 2011, , .		33
128	Sensing Time and Power Optimization in MIMO Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2012, 11, 3398-3408.	9.2	33
129	Resource Allocation for Active IRS-Assisted Multiuser Communication Systems. , 2021, , .		33
130	Nonorthogonal Transmission and Noncoherent Fusion of Censored Decisions. IEEE Transactions on Vehicular Technology, 2009, 58, 263-273.	6.3	32
131	Fixed Gain Amplify-and-Forward Relaying with Co-Channel Interference. , 2011, , .		32
132	Resource allocation for secure communication in systems with wireless information and power transfer. , 2013, , .		32
133	A Novel Wireless Communication Paradigm for Intelligent Reflecting Surface Based Symbiotic Radio Systems. IEEE Transactions on Signal Processing, 2022, 70, 550-565.	5.3	32
134	Error Rate Analysis for Coded Multicarrier Systems Over Quasi-Static Fading Channels. IEEE Transactions on Communications, 2007, 55, 1736-1746.	7.8	31
135	Coherent max-log decision fusion in wireless sensor networks. IEEE Transactions on Communications, 2010, 58, 1327-1332.	7.8	31
136	Error rate analysis of full-duplex relaying. , 2010, , .		31
137	Performance and Optimization of Network-Coded Cooperative Diversity Systems. IEEE Transactions on Communications, 2013, 61, 1111-1122.	7.8	31
138	Resource allocation for coordinated multipoint networks with wireless information and power transfer. , 2014, , .		31
139	Cache-Aided Non-Orthogonal Multiple Access: The Two-User Case. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 436-451.	10.8	31
140	Intelligent Reflecting Surface Enhanced Indoor Robot Path Planning: A Radio Map-Based Approach. IEEE Transactions on Wireless Communications, 2021, 20, 4732-4747.	9.2	31
141	Buffer-Aided Diamond Relay Network With Block Fading and Inter-Relay Interference. IEEE Transactions on Wireless Communications, 2016, 15, 7357-7372.	9.2	30
142	Pilot Spoofing Attack by Multiple Eavesdroppers. IEEE Transactions on Wireless Communications, 2018, 17, 6433-6447.	9.2	30
143	Performance Analysis and Enhancement of Multiband OFDM for UWB Communications. IEEE Transactions on Wireless Communications, 2007, 6, 2182-2192.	9.2	29
144	On the performance of non-coherent transmission schemes with equal-gain combining in generalized $\hat{\gamma}$ -fading. IEEE Transactions on Wireless Communications, 2010, 9, 1337-1349.	9.2	29

#	ARTICLE	IF	CITATIONS
145	Performance and Design of Coherent and Differential Space-Time Coded FSO Systems. Journal of Lightwave Technology, 2012, 30, 1569-1577.	4.6	29
146	Multi-objective beamforming for secure communication in systems with wireless information and power transfer. , 2013, , .		29
147	Analysis and design of two-hop diffusion-based molecular communication networks. , 2014, , .		29
148	Robust beamforming for SWIPT systems with non-linear energy harvesting model. , 2016, , .		29
149	Relay Subset Selection and Fair Power Allocation for Best and Partial Relay Selection in Generic Noise and Interference. IEEE Transactions on Wireless Communications, 2012, 11, 1828-1839.	9.2	28
150	Bounds on distance estimation via diffusive molecular communication. , 2014, , .		28
151	Symbol synchronization for diffusive molecular communication systems. , 2017, , .		28
152	Channel Estimation for IRS-Assisted Millimeter-Wave MIMO Systems: Sparsity-Inspired Approaches. IEEE Transactions on Communications, 2022, 70, 4078-4092.	7.8	28
153	Adaptive Lp-norm diversity combining in non-gaussian noise and interference. IEEE Transactions on Wireless Communications, 2009, 8, 4230-4240.	9.2	27
154	Coherent Wireless Optical Communications With Predetection and Postdetection EGC Over Gamma-Gamma Atmospheric Turbulence Channels. Journal of Optical Communications and Networking, 2011, 3, 860.	4.8	27
155	Diversity and Delay Analysis of Buffer-Aided BICM-OFDM Relaying. IEEE Transactions on Wireless Communications, 2013, 12, 5506-5519.	9.2	27
156	Buffer-Aided Relaying With Outdated CSI. IEEE Transactions on Wireless Communications, 2016, 15, 1979-1997.	9.2	27
157	Secure Video Streaming in Heterogeneous Small Cell Networks With Untrusted Cache Helpers. IEEE Transactions on Wireless Communications, 2018, 17, 2645-2661.	9.2	26
158	Stable Throughput Regions of Opportunistic NOMA and Cooperative NOMA With Full-Duplex Relaying. IEEE Transactions on Wireless Communications, 2018, 17, 5059-5075.	9.2	26
159	Joint Beamforming and Phase Shift Optimization for Multicell IRS-aided OFDMA-URLLC Systems. , 2021, , .		26
160	Random access for elastic and inelastic traffic in WLANs. IEEE Transactions on Wireless Communications, 2010, 9, 1861-1866.	9.2	25
161	Max-min fair wireless energy transfer for secure multiuser communication systems. , 2014, , .		25
162	Modeling Duct Flow for Molecular Communication. , 2018, , .		25

#	ARTICLE	IF	CITATIONS
163	Generalized Wireless-Powered Communications: When to Activate Wireless Power Transfer?. IEEE Transactions on Vehicular Technology, 2019, 68, 8243-8248.	6.3	25
164	Time-Domain Transmit Beamforming for MIMO-OFDM Systems with Finite Rate Feedback. IEEE Transactions on Communications, 2009, 57, 2828-2838.	7.8	24
165	Energy-Efficient 5G Outdoor-to-Indoor Communication: SUDAS Over Licensed and Unlicensed Spectrum. IEEE Transactions on Wireless Communications, 2016, 15, 3170-3186.	9.2	24
166	Resource Allocation for Simultaneous Wireless Information and Power Transfer Systems: A Tutorial Overview. Proceedings of the IEEE, 2022, 110, 127-149.	21.3	24
167	Hybrid Coherent/Energy Detection for Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2011, 10, 1594-1605.	9.2	23
168	Performance of a PLC system in impulsive noise with selection combining. , 2012, , .		23
169	Energy-efficient transmission for wireless powered multiuser communication networks. , 2015, , .		23
170	Three-Dimensional Placement and Transmit Power Design for UAV Covert Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 13424-13429.	6.3	23
171	Performance Analysis of Decode-and-Forward Multi-Hop Communication: A Difference Equation Approach. IEEE Transactions on Communications, 2012, 60, 339-345.	7.8	22
172	Secure layered transmission in multicast systems with wireless information and power transfer. , 2014, , .		22
173	Diffusive molecular communication with disruptive flows. , 2014, , .		22
174	Performance Analysis of Free-Space Optical Systems in Gamma-Gamma Fading. , 2008, , .		21
175	Power Allocation in Energy Harvesting Relay Systems. , 2012, , .		21
176	Buffer-Aided Relaying With Discrete Transmission Rates for the Two-Hop Half-Duplex Relay Network. IEEE Transactions on Wireless Communications, 2017, 16, 967-981.	9.2	21
177	C-RAN With Hybrid RF/FSO Fronthaul Links: Joint Optimization of Fronthaul Compression and RF Time Allocation. IEEE Transactions on Communications, 2019, 67, 8678-8695.	7.8	21
178	Distributed channel selection and randomized interrogation algorithms for large-scale and dense RFID systems. IEEE Transactions on Wireless Communications, 2010, 9, 1402-1413.	9.2	20
179	The Diversity Potential of Relay Selection with Practical Channel Estimation. IEEE Transactions on Wireless Communications, 2013, 12, 481-493.	9.2	20
180	Data-Aided Secure Massive MIMO Transmission Under the Pilot Contamination Attack. IEEE Transactions on Communications, 2019, 67, 4765-4781.	7.8	20

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181	Error Rate Analysis for Coded Multicarrier Systems Over Quasi-Static Fading Channels. IEEE Transactions on Communications, 2007, 55, 1646-1646.	7.8	19
182	Multiple-symbol differential decision fusion for mobile wireless sensor networks. IEEE Transactions on Wireless Communications, 2010, 9, 778-790.	9.2	19
183	SINR-Based Random Access for Cognitive Radio: Distributed Algorithm and Coalitional Game. IEEE Transactions on Wireless Communications, 2011, 10, 3887-3897.	9.2	19
184	Relay Selection with Outdated Channel Estimates in Nakagami-m Fading. , 2011, , .		19
185	Cooperative Beamforming for Single-Carrier Frequency-Domain Equalization Systems with Multiple Relays. IEEE Transactions on Wireless Communications, 2012, 11, 2276-2286.	9.2	19
186	Energy-efficient power allocation for M2M communications with energy harvesting transmitter. , 2012, , .		19
187	Improving and Bounding Asymptotic Approximations for Diversity Combiners in Correlated Generalized Rician Fading. IEEE Transactions on Wireless Communications, 2014, 13, 736-748.	9.2	19
188	Modeling and Design of IRS-Assisted Multilink FSO Systems. IEEE Transactions on Communications, 2022, 70, 3333-3349.	7.8	19
189	Analysis of Narrowband Communication Systems Impaired by MB-OFDM UWB Interference. IEEE Transactions on Wireless Communications, 2007, 6, 4090-4100.	9.2	18
190	Statistics of general order selection in correlated Nakagami fading channels. IEEE Transactions on Communications, 2008, 56, 344-346.	7.8	18
191	Impact of WiMAX interference on MB-OFDM UWB systems: analysis and mitigation. IEEE Transactions on Communications, 2009, 57, 2818-2827.	7.8	18
192	Optimal SINR-based Random Access. , 2010, , .		18
193	Joint channel estimation and decoding of space-time block codes in AF MIMO relay networks. , 2012, , .		18
194	Statistical Analysis of Time-Variant Channels in Diffusive Mobile Molecular Communications. , 2017, , .		18
195	Secure MISO cognitive radio system with perfect and imperfect CSI. , 2012, , .		17
196	Multi-objective beamforming for energy-efficient SWIPT systems. , 2016, , .		17
197	Optimal resource allocation for multicarrier MISO-NOMA systems. , 2017, , .		17
198	Markov Decision Process Based Design of SWIPT Systems: Non-Linear EH Circuits, Memory, and Impedance Mismatch. IEEE Transactions on Communications, 2021, 69, 1259-1274.	7.8	17

#	ARTICLE	IF	CITATIONS
199	Uplink and Downlink MIMO-NOMA With Simultaneous Triangularization. IEEE Transactions on Wireless Communications, 2021, 20, 3381-3396.	9.2	17
200	Distributed Transmit Power Allocation for Relay-Assisted Cognitive-Radio Systems. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	16
201	Performance Analysis for a Fully Decentralized Transmit Power Allocation Scheme for Relay-Assisted Cognitive-Radio Systems. , 2008, , .		16
202	Optimal adaptive modulation and coding with switching costs. IEEE Transactions on Communications, 2009, 57, 697-706.	7.8	16
203	Utility-Optimal Random Access for Wireless Multimedia Networks. IEEE Wireless Communications Letters, 2012, 1, 340-343.	5.0	16
204	Enhanced MRC for Decode-and-Forward Cooperative Diversity Systems. IEEE Transactions on Wireless Communications, 2012, 11, 3418-3423.	9.2	16
205	Online Resource Allocation for Energy Harvesting Downlink Multiuser Systems: Precoding With Modulation, Coding Rate, and Subchannel Selection. IEEE Transactions on Wireless Communications, 2015, 14, 5780-5794.	9.2	16
206	Resource Allocation for Large IRS-Assisted SWIPT Systems with Non-linear Energy Harvesting Model. , 2021, , .		16
207	Synaptic Channel Modeling for DMC: Neurotransmitter Uptake and Spillover in the Tripartite Synapse. IEEE Transactions on Communications, 2021, 69, 1462-1479.	7.8	16
208	Equalization for DS-UWB Systems--Part II: 4BOK Modulation. IEEE Transactions on Communications, 2007, 55, 1525-1535.	7.8	15
209	Multiple-symbol differential detection based on combinatorial geometry. IEEE Transactions on Communications, 2008, 56, 1596-1600.	7.8	15
210	Pre-equalization for MISO DS-UWB systems with pre-Rake combining. IEEE Transactions on Wireless Communications, 2009, 8, 1295-1307.	9.2	15
211	Asymptotic analysis of space-time codes in generalized fading channels. IEEE Communications Letters, 2009, 13, 561-563.	4.1	15
212	Cooperative Diversity With Mobile Nodes: Capacity Outage Rate and Duration. IEEE Transactions on Information Theory, 2011, 57, 6555-6568.	2.4	15
213	Optimal Relay Selection for Outdated CSI. IEEE Communications Letters, 2013, 17, 503-506.	4.1	15
214	A robust design of electric vehicle frequency regulation service. , 2014, , .		15
215	Analysis of the Impact of WiMAX-OFDM Interference on Multiband OFDM. , 2007, , .		14
216	Multiple-Differential Encoding for Multi-Hop Amplify-and-Forward IR-UWB Systems. IEEE Transactions on Wireless Communications, 2011, 10, 2577-2591.	9.2	14

#	ARTICLE	IF	CITATIONS
217	Convex Sensing-Reporting Optimization for Cooperative Spectrum Sensing. IEEE Transactions on Wireless Communications, 2012, 11, 1900-1910.	9.2	14
218	Performance Analysis of OSTBC Relaying in AF MIMO Relay System with Imperfect CSI. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	14
219	Distributed user-centric scheduling for visible light communication networks. Optics Express, 2016, 24, 15570.	3.4	14
220	Relay Selection in Relay-Assisted Free Space Optical Systems. , 2011, , .		13
221	Transmit beamforming for frequency-selective channels with decision-feedback equalization. IEEE Transactions on Wireless Communications, 2007, 6, 4401-4411.	9.2	12
222	Pre-Equalization for Pre-Rake DS-UWB Systems with Spectral Mask Constraints. IEEE Transactions on Communications, 2011, 59, 780-791.	7.8	12
223	Resource allocation for secure OFDMA communication systems. , 2011, , .		12
224	Diversity combining in FSO systems in presence of non-Gaussian noise. , 2012, , .		12
225	Asymptotic Performance of Generalized Selection Combining in Generic Noise and Fading. IEEE Transactions on Communications, 2012, 60, 916-922.	7.8	12
226	Optimal Power Allocation for Wideband Cognitive Radio Networks Employing SC-FDMA. IEEE Communications Letters, 2013, 17, 669-672.	4.1	12
227	Non-Coherent Multiple-Symbol Detection for Diffusive Molecular Communications. , 2016, , .		12
228	Resource Allocation for Secure Multi-User Downlink MISO-URLLC Systems. , 2020, , .		12
229	A Minimum Error Probability NOMA Design. IEEE Transactions on Wireless Communications, 2021, 20, 4221-4237.	9.2	12
230	Transmission and Reception Concepts for WLAN IEEE 802.11b. IEEE Transactions on Wireless Communications, 2006, 5, 3375-3381.	9.2	11
231	Efficient receivers for GSM MUROS downlink transmission. , 2009, , .		11
232	Improved OFDMA uplink transmission <i>via</i> cooperative relaying in the presence of frequency offsets—Part I: Ergodic information rate analysis. European Transactions on Telecommunications, 2010, 21, 224-240.	1.2	11
233	Utilizing renewable energy resources by adopting DSM techniques and storage facilities. , 2014, , .		11
234	Robust Layered Transmission in Secure MISO Multiuser Unicast Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 8267-8282.	6.3	11

#	ARTICLE	IF	CITATIONS
235	Cache-Aided Non-Orthogonal Multiple Access. , 2018, , .		11
236	Deep Learning-Based Resource Allocation for Device-to-Device Communication. IEEE Transactions on Wireless Communications, 2022, 21, 5235-5250.	9.2	11
237	On the Effect of Outdated Channel Estimation in Variable Gain Relaying: Error Performance and PAPR. IEEE Transactions on Wireless Communications, 2013, 12, 1084-1097.	9.2	10
238	On the Application of NOMA to Wireless Caching. , 2018, , .		10
239	Decentralized distributed space-time trellis coding. IEEE Transactions on Wireless Communications, 2007, 6, 3985-3993.	9.2	9
240	Multiple-Bit Differential Detection of Shaped-Offset QPSK. IEEE Transactions on Communications, 2007, 55, 2328-2340.	7.8	9
241	Performance of BICM-OFDM systems in UWB interference. IEEE Transactions on Wireless Communications, 2009, 8, 4389-4392.	9.2	9
242	EDFA-Based All-Optical Relaying in Free-Space Optical Systems. , 2011, , .		9
243	Semiblind Iterative Receiver for Coded MIMO-OFDM Systems. IEEE Transactions on Vehicular Technology, 2011, 60, 3156-3168.	6.3	9
244	Effect of Spectrum Sensing Reliability on the Capacity of Multiuser Uplink Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2011, 60, 4349-4362.	6.3	9
245	Delay constrained buffer-aided relaying with outdated CSI. , 2014, , .		9
246	Mixed RF and Hybrid RF/FSO Relaying. , 2015, , .		9
247	Optimal Buffer-Aided Relaying with Imperfect CSI. IEEE Communications Letters, 2016, , 1-1.	4.1	9
248	Max-Min Fair Beamforming for SWIPT Systems with Non-Linear EH Model. , 2017, , .		9
249	Saturating Receiver and Receptor Competition in Synaptic DMC: Deterministic and Statistical Signal Models. IEEE Transactions on Nanobioscience, 2021, 20, 464-479.	3.3	9
250	Interference mitigation for coded MB-OFDM UWB. , 2008, , .		8
251	Beamforming and combining based on estimated channels in cooperative relay networks. , 2012, , .		8
252	Optimal storage-aided wind generation integration considering ramping requirements. , 2013, , .		8

#	ARTICLE	IF	CITATIONS
253	Guest Editorial: Large-Scale Multiple Antenna Wireless Systems. IEEE Journal on Selected Areas in Communications, 2013, 31, 113-116.	14.0	8
254	Joint Source-Relay Optimization for Fixed Receivers in Multi-Antenna Multi-Relay Networks. IEEE Transactions on Wireless Communications, 2014, 13, 62-74.	9.2	8
255	Cross-Layer Scheduling Design for OFDMA Two-Way Amplify-And-Forward Relay Networks. , 2010, , .		7
256	Joint Detection of Primary Systems Using UWB Impulse Radios. IEEE Transactions on Wireless Communications, 2011, 10, 419-424.	9.2	7
257	Resource Allocation for Secure OFDMA Networks with Imperfect CSIT. , 2011, , .		7
258	Transceiver Design for SC-FDE Based MIMO Relay Systems. IEEE Transactions on Wireless Communications, 2013, 12, 4376-4391.	9.2	7
259	How sensitive is compute-and-forward to channel estimation errors?. , 2013, , .		7
260	Risk-averse forward contract for electric vehicle frequency regulation service. , 2015, , .		7
261	Optimal multiuser scheduling schemes for simultaneous wireless information and power transfer. , 2015, , .		7
262	Joint power and subcarrier allocation for multicarrier full-duplex systems. , 2017, , .		7
263	Wireless Powered ALOHA Networks With UAV-Mounted-Base Stations. IEEE Wireless Communications Letters, 2020, 9, 56-60.	5.0	7
264	Precoder Design and Statistical Power Allocation for MIMO-NOMA via User-Assisted Simultaneous Diagonalization. IEEE Transactions on Communications, 2021, 69, 929-945.	7.8	7
265	Safeguarding UAV Networks through Integrated Sensing, Jamming, and Communications. , 2022, , .		7
266	WiMAX Interference to MB-OFDM UWB Systems. , 2007, , .		6
267	Guest editorial: optical wireless communications. IEEE Journal on Selected Areas in Communications, 2009, 27, 1521-1525.	14.0	6
268	Cyclic space-frequency filtering for BICM-OFDM systems with multiple co-located or distributed transmit antennas. IEEE Transactions on Wireless Communications, 2009, 8, 1825-1835.	9.2	6
269	Channel level crossing-based security for communications over fading channels. IET Information Security, 2013, 7, 221-229.	1.7	6
270	Power dispatch and load control with generation uncertainty. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
271	Cache-Enabled Physical-Layer Security for Video Streaming in Wireless Networks with Limited Backhaul. , 2016, , .		6
272	Overview of New Technologies for 5G Systems. , 0, , 1-24.		6
273	Data-Aided Secure Massive MIMO Transmission with Active Eavesdropping. , 2018, , .		6
274	Joint Uplink-Downlink Resource Allocation for OFDMA-URLLC MEC Systems. , 2020, , .		6
275	Equalization for 4BOK DS-UWB Systems. , 2006, , .		5
276	Rate-Maximizing Multiuser Scheduling for Parallel Channel Access. IEEE Signal Processing Letters, 2007, 14, 441-444.	3.6	5
277	Distributed Space-Time Continuous Phase Modulation Code Design. IEEE Transactions on Wireless Communications, 2008, 7, 4455-4461.	9.2	5
278	Reliability-Based Rate Allocation in Wireless Inter-Session Network Coding Systems. , 2009, , .		5
279	Bargaining and Price-of-Anarchy in Repeated Inter-Session Network Coding Games. , 2010, , .		5
280	Spectral efficiency in large-scale MIMO-OFDM systems with per-antenna power cost. , 2012, , .		5
281	Optimal Tx-BF for MIMO SC-FDE Systems. IEEE Communications Letters, 2013, 17, 1509-1512.	4.1	5
282	Optimisation of power allocation for asymmetric relay placement in multi-hop relay systems. IET Communications, 2013, 7, 128-136.	2.2	5
283	Achievable rates for the fading half-duplex single relay selection network using buffer-aided relaying. , 2014, , .		5
284	Robust resource allocation for full-duplex cognitive radio systems. , 2016, , .		5
285	Ion pump based bio-synthetic modulator model for diffusive molecular communications. , 2016, , .		5
286	Optimal Transmit Strategy for Multi-User MIMO WPT Systems With Non-Linear Energy Harvesters. IEEE Transactions on Communications, 2022, 70, 1726-1741.	7.8	5
287	WLC08-1: Error Rate Analysis for Coded Multicarrier Systems over Quasi-Static Fading Channels. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
288	FIR Beamforming for Frequency-Selective Channels with Linear Equalization. IEEE Communications Letters, 2007, 11, 622-624.	4.1	4

#	ARTICLE	IF	CITATIONS
289	Robust transmit processing for frequency-selective fading channels with imperfect channel feedback. IEEE Transactions on Wireless Communications, 2008, 7, 5356-5368.	9.2	4
290	Diversity-multiplexing trade-off of the hybrid non-orthogonal amplify-decode and forward protocol. , 2008, , .		4
291	Analysis of interference sensing for DAA UWB-IR systems. , 2008, , .		4
292	Asymptotic Analysis of Space-Time Codes in Generalized Keyhole Fading Channels. IEEE Transactions on Wireless Communications, 2011, 10, 1863-1873.	9.2	4
293	Cooperative Frequency-Domain Beamforming for Broadband SC-FDE Systems. , 2011, , .		4
294	Cooperative Two-Way Filter-and-Forward Beamforming for Frequency-Selective Channels. , 2011, , .		4
295	Adaptive mode selection for bidirectional relay networks " Fixed rate transmission. , 2014, , .		4
296	Colocated and Distributed Switch-and-Stay Combining: Optimality Under Switching Rate Constraints. IEEE Transactions on Vehicular Technology, 2014, 63, 451-457.	6.3	4
297	Robust Optimization with Probabilistic Constraints for Power-Efficient and Secure SWIPT. , 2016, , .		4
298	Transmit beamforming for QoE improvement in C-RAN with mobile virtual network operators. , 2016, , .		4
299	Power-Efficient and Secure WPCNs with Residual Hardware Impairments and a Non-Linear EH Model. , 2017, , .		4
300	Transmit Beamforming for Frequency-Selective Channels. , 2006, , .		3
301	WLC38-1: Transmit Beamforming with Finite-Rate Feedback for Frequency-Selective Channels. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	3
302	Robust Transmit Beamforming for Frequency-Selective Fading Channels with Imperfect Channel Feedback. , 2007, , .		3
303	Performance Evaluation of Bluetooth Systems With LDI, Modified LDI, and NSD Receivers. IEEE Transactions on Vehicular Technology, 2008, 57, 157-168.	6.3	3
304	Enhancement of the ECMA-368 UWB system by means of compatible relaying techniques. , 2008, , .		3
305	Space-Time Continuous Phase Modulation for Non-Coherent Detection. IEEE Transactions on Wireless Communications, 2008, 7, 1264-1275.	9.2	3
306	Cyclic space-frequency filtering for BICM-OFDM systems with multiple co-located or distributed transmit antennas. IEEE Transactions on Wireless Communications, 2009, 8, 336-346.	9.2	3

#	ARTICLE	IF	CITATIONS
307	Robust L_p -Norm Decoding for BICM-Based Secondary User Systems. IEEE Transactions on Communications, 2010, 58, 3084-3090.	7.8	3
308	Resource allocation for secure OFDMA decode-and-forward relay networks. , 2011, , .		3
309	Outage Rate and Outage Duration of Decode-and-Forward Cooperative Diversity Systems. , 2011, , .		3
310	Cramer-rao lower bound for channel estimation in a MUROS/VAMOS downlink transmission. , 2011, , .		3
311	Optimal Data Transmission and Channel Code Rate Allocation in Multi-Path Wireless Networks. , 2011, , .		3
312	Performance Analysis of a Multi-Hop Communication System with Decode-and-Forward Relaying. , 2011, , .		3
313	Hybrid RF/FSO communications. , 0, , 273-302.		3
314	Dual-hop amplify-and-forward transmission with imperfect channel estimates at the relay. , 2012, , .		3
315	Asymptotically tight error rate bounds for EGC in correlated generalized Rician fading. , 2013, , .		3
316	Repeated Intersession Network Coding Games: Efficiency and Min-Max Bargaining Solution. IEEE/ACM Transactions on Networking, 2014, 22, 1121-1135.	3.8	3
317	Outage analysis of q-duplex RF/FSO relaying. , 2015, , .		3
318	Downlink Precoder Design for Two-User Power-Domain MIMO-NOMA with Excess Degrees of Freedom. , 2019, , .		3
319	Precoder Design for Two-User Uplink MIMO-NOMA with Simultaneous Triangularization. , 2019, , .		3
320	Shaped-Offset QPSK with Multiple-Bit Differential Detection. , 2006, , .		2
321	Robust Transmit Processing for BICM-OFDM Systems. IEEE Transactions on Wireless Communications, 2009, 8, 5671-5681.	9.2	2
322	On the Performance of Non-Coherent Transmission Schemes with Equal-Gain Combining in Correlated Generalized K-Fading. , 2009, , .		2
323	Randomized Multi-Channel Interrogation Algorithm for Large-Scale RFID Systems. , 2009, , .		2
324	Improved OFDMA uplink transmission <i>via</i> cooperative relaying in the presence of frequency offsets—Part II: Outage information rate analysis. European Transactions on Telecommunications, 2010, 21, 241-250.	1.2	2

#	ARTICLE	IF	CITATIONS
325	Beamforming for SC-FDMA transmission over MIMO ISI channels with decision-feedback equalization. , 2010, , .		2
326	Switching Rate in Selective Cooperative Relaying. , 2010, , .		2
327	Multi-user diversity gain in uplink cognitive radio systems with spectrum sensing reliability. , 2010, , .		2
328	Coherent free-space optical transmission with diversity combining for Gamma-Gamma atmospheric turbulence. , 2010, , .		2
329	Optimal Data Transmission and Channel Code Rate Allocation in Multipath Wireless Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 3963-3974.	6.3	2
330	Optimal switch and stay combining (SSC) under switching rate constraints. , 2011, , .		2
331	Buffer-aided relaying with mixed rate transmission. , 2012, , .		2
332	Joint beamforming, resource allocation, and scheduling for multi-cell multi-user MIMO-OFDMA systems. , 2012, , .		2
333	Tackling the photovoltaic integration challenge in the distribution network with deferrable load. , 2013, , .		2
334	Adaptive energy consumption scheduling with load uncertainty for the smart grid. , 2013, , .		2
335	SLNC for Multi-Source Multi-Relay BICM-OFDM Systems. IEEE Transactions on Wireless Communications, 2014, 13, 2096-2112.	9.2	2
336	Amplify-and-Forward Relaying in Two-Hop Diffusion-Based Molecular Communication Networks. , 2014, , .		2
337	Buffer-aided relaying with discrete transmission rates. , 2015, , .		2
338	Power Allocation for SC-FDE-Based CR Systems Under Explicit Primary User Protection. IEEE Communications Letters, 2016, 20, 858-861.	4.1	2
339	Precoder Design and Power Allocation for Downlink MIMO-NOMA via Simultaneous Triangularization. , 2021, , .		2
340	Area Rate Efficiency in Molecular Communications. , 2021, , .		2
341	Optimal Transmit Strategy for MIMO WPT Systems With Non-linear Energy Harvesting. , 2021, , .		2
342	Molecule Harvesting Transmitter Model for Molecular Communication Systems. IEEE Open Journal of the Communications Society, 2022, 3, 391-410.	6.9	2

#	ARTICLE	IF	CITATIONS
343	Interference from MB-OFDM UWB Systems: Exact, Approximate, and Asymptotic Analysis. , 2006, , .		1
344	Bluetooth Receiver Design Based on Laurent's Decomposition. , 2006, , .		1
345	Impact of Tone Interference on Multiband OFDM. , 2006, , .		1
346	MMSE Beamforming for SC-FDMA Transmission over MIMO ISI Channels with Linear Equalization. , 2010, , .		1
347	Optimal rate allocation for wireless multicast systems employing hybrid-ARQ with Chase combining. , 2010, , .		1
348	Diversity Loss Due to Suboptimal Relay Selection. , 2011, , .		1
349	Downlink Scheduling with Transmission Strategy Selection for Two-Cell MIMO Networks. , 2011, , .		1
350	Guest Editorial Special Issue on Cognitive Sensor Networks. IEEE Sensors Journal, 2011, 11, 519-521.	4.7	1
351	Joint transceiver design for MIMO relay systems employing SC-FDE. , 2012, , .		1
352	Optimal power allocation in a multi-hop decode-and-forward communication system. , 2012, , .		1
353	WLAN Service Providers' Price Competition with Uncertainty in User Demand. IEEE Communications Letters, 2013, 17, 517-520.	4.1	1
354	Rate Optimization for Hybrid SC-FDE/OFDM Decode-and-Forward MIMO Relay Systems. IEEE Communications Letters, 2014, 18, 1210-1213.	4.1	1
355	A delay-constrained protocol with adaptive mode selection for bidirectional relay networks. , 2014, , .		1
356	On the Statistics of Reaction-Diffusion Simulations for Molecular Communication. , 2015, , .		1
357	Power efficient and secure full-duplex wireless communication systems. , 2015, , .		1
358	Online resource allocation for energy harvesting downlink MIMO systems with finite-alphabet inputs. , 2015, , .		1
359	Multiple Antennas and Beamforming for SWIPT Systems. , 0, , 170-216.		1
360	Optimal Resource Allocation and Beamforming for Two-User Miso WPCNS for a Non-Linear Circuit-Based EH Model : (Invited Paper). , 2022, , .		1

#	ARTICLE	IF	CITATIONS
361	Censored Noncoherent Distributed Space-Time Coding for Wireless Sensor Networks. , 2007, , .		0
362	Performance Comparison of Bluetooth LDI, Modified LDI, and NSD Receivers. , 2007, , .		0
363	Power and Weight Distribution Design Criteria for Cooperative Diversity Channels. , 2007, , .		0
364	Two Novel Channel-Augmentation Schemes for MIMO Systems. IEEE Signal Processing Letters, 2007, 14, 601-604.	3.6	0
365	Sphere Constrained Block RSSE with Per-Survivor Intra-Block Processing for CCK Transmission. , 2008, , .		0
366	Improved OFDMA Uplink Transmission via Cooperation in the Presence of Frequency Offsets. , 2008, , .		0
367	Cross-Layer Scheduling for OFDMA Amplify-and-Forward Relay Networks. , 2009, , .		0
368	Detection of multiple primary systems using DAA UWB-IRs. , 2009, , .		0
369	Optimal MISO UWB pre-equalizer design with spectral mask constraints. , 2010, , .		0
370	Single-antenna interference cancellation for complex-valued signal constellations with applications to GSM/EDGE. , 2011, , .		0
371	Demand-side management for smart grid: opportunities and challenges. , 0, , 69-90.		0
372	Wireless local area network service providersâ€™ price competition in presence of heterogeneous user demand. IET Communications, 2013, 7, 2113-2121.	2.2	0
373	Robust cooperative beamforming for SC-FDMA based multi-relay networks. , 2014, , .		0
374	Cross-Layer Optimization of Fast Video Delivery in Cache-Enabled Relaying Networks. , 2014, , .		0
375	Multi-Objective Optimization for Power Efficient Full-Duplex Wireless Communication Systems. , 2014, , .		0
376	Robust MMSE design for full-duplex decode-and-forward SC-FDE relay systems. , 2015, , .		0
377	Novel protocol with improved outage probability performance for the fading two-hop half-duplex relay channel. , 2016, , .		0
378	Large-Scale MIMO Secure Transmission with Finite Alphabet Inputs. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
379	Receptor Saturation Modeling for Synaptic DMC. , 2021, , .		0
380	Multi-Objective Optimization for Secure Full-Duplex Wireless Communication Systems. , 2020, , 275-298.		0
381	Receiver Mechanisms for Synthetic Molecular Communication Systems with Diffusion. , 2020, , 1183-1190.		0