

Robert Schober

List of Publications by Year in descending order

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381
papers

27,615
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9756

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391
times ranked

13474
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneously Transmitting and Reflecting (STAR) RIS Aided Wireless Communications. IEEE Transactions on Wireless Communications, 2022, 21, 3083-3098.	6.1	197
2	A Survey on Millimeter-Wave Beamforming Enabled UAV Communications and Networking. IEEE Communications Surveys and Tutorials, 2022, 24, 557-610.	24.8	135
3	Resource Allocation for Simultaneous Wireless Information and Power Transfer Systems: A Tutorial Overview. Proceedings of the IEEE, 2022, 110, 127-149.	16.4	24
4	Optimal Transmit Strategy for Multi-User MIMO WPT Systems With Non-Linear Energy Harvesters. IEEE Transactions on Communications, 2022, 70, 1726-1741.	4.9	5
5	A Novel Wireless Communication Paradigm for Intelligent Reflecting Surface Based Symbiotic Radio Systems. IEEE Transactions on Signal Processing, 2022, 70, 550-565.	3.2	32
6	Evolution of NOMA Toward Next Generation Multiple Access (NGMA) for 6G. IEEE Journal on Selected Areas in Communications, 2022, 40, 1037-1071.	9.7	168
7	Hybrid NOMA Offloading in Multi-User MEC Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5377-5391.	6.1	45
8	Deep Learning-Based Resource Allocation for Device-to-Device Communication. IEEE Transactions on Wireless Communications, 2022, 21, 5235-5250.	6.1	11
9	Modeling and Design of IRS-Assisted Multilink FSO Systems. IEEE Transactions on Communications, 2022, 70, 3333-3349.	4.9	19
10	Molecule Harvesting Transmitter Model for Molecular Communication Systems. IEEE Open Journal of the Communications Society, 2022, 3, 391-410.	4.4	2
11	Channel Estimation for IRS-Assisted Millimeter-Wave MIMO Systems: Sparsity-Inspired Approaches. IEEE Transactions on Communications, 2022, 70, 4078-4092.	4.9	28
12	Safeguarding UAV Networks through Integrated Sensing, Jamming, and Communications. , 2022, , .		7
13	Optimal Resource Allocation and Beamforming for Two-User Miso WPCNS for a Non-Linear Circuit-Based EH Model : (Invited Paper). , 2022, , .		1
14	A Survey of Molecular Communication in Cell Biology: Establishing a New Hierarchy for Interdisciplinary Applications. IEEE Communications Surveys and Tutorials, 2021, 23, 1494-1545.	24.8	42
15	Precoder Design and Statistical Power Allocation for MIMO-NOMA via User-Assisted Simultaneous Diagonalization. IEEE Transactions on Communications, 2021, 69, 929-945.	4.9	7
16	Markov Decision Process Based Design of SWIPT Systems: Non-Linear EH Circuits, Memory, and Impedance Mismatch. IEEE Transactions on Communications, 2021, 69, 1259-1274.	4.9	17
17	Massive Access for 5G and Beyond. IEEE Journal on Selected Areas in Communications, 2021, 39, 615-637.	9.7	347
18	Precoder Design and Power Allocation for Downlink MIMO-NOMA via Simultaneous Triangularization. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	Joint Beamforming and Phase Shift Optimization for Multicell IRS-aided OFDMA-URLLC Systems. , 2021, , .		26
20	Resource Allocation for Large IRS-Assisted SWIPT Systems with Non-linear Energy Harvesting Model. , 2021, , .		16
21	Synaptic Channel Modeling for DMC: Neurotransmitter Uptake and Spillover in the Tripartite Synapse. IEEE Transactions on Communications, 2021, 69, 1462-1479.	4.9	16
22	Physics-Based Modeling and Scalable Optimization of Large Intelligent Reflecting Surfaces. IEEE Transactions on Communications, 2021, 69, 2673-2691.	4.9	200
23	Receptor Saturation Modeling for Synaptic DMC. , 2021, , .		0
24	Uplink and Downlink MIMO-NOMA With Simultaneous Triangularization. IEEE Transactions on Wireless Communications, 2021, 20, 3381-3396.	6.1	17
25	IRS-Assisted Wireless Powered NOMA: Do We Really Need Different Phase Shifts in DL and UL?. IEEE Wireless Communications Letters, 2021, 10, 1493-1497.	3.2	73
26	A Minimum Error Probability NOMA Design. IEEE Transactions on Wireless Communications, 2021, 20, 4221-4237.	6.1	12
27	Intelligent Reflecting Surface Enhanced Indoor Robot Path Planning: A Radio Map-Based Approach. IEEE Transactions on Wireless Communications, 2021, 20, 4732-4747.	6.1	31
28	IRS-Assisted Green Communication Systems: Provable Convergence and Robust Optimization. IEEE Transactions on Communications, 2021, 69, 6313-6329.	4.9	52
29	Area Rate Efficiency in Molecular Communications. , 2021, , .		2
30	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.	9.7	202
31	Saturating Receiver and Receptor Competition in Synaptic DMC: Deterministic and Statistical Signal Models. IEEE Transactions on Nanobioscience, 2021, 20, 464-479.	2.2	9
32	Three-Dimensional Placement and Transmit Power Design for UAV Covert Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 13424-13429.	3.9	23
33	Optimal Transmit Strategy for MIMO WPT Systems With Non-linear Energy Harvesting. , 2021, , .		2
34	Resource Allocation for Active IRS-Assisted Multiuser Communication Systems. , 2021, , .		33
35	Smart and Reconfigurable Wireless Communications: From IRS Modeling to Algorithm Design. IEEE Wireless Communications, 2021, 28, 118-125.	6.6	75
36	Wireless Powered ALOHA Networks With UAV-Mounted-Base Stations. IEEE Wireless Communications Letters, 2020, 9, 56-60.	3.2	7

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37	Robust and Secure Wireless Communications via Intelligent Reflecting Surfaces. IEEE Journal on Selected Areas in Communications, 2020, 38, 2637-2652.	9.7	435
38	Optimal Beamforming for MISO Communications via Intelligent Reflecting Surfaces. , 2020, , .		46
39	Resource Allocation for IRS-Assisted Full-Duplex Cognitive Radio Systems. IEEE Transactions on Communications, 2020, 68, 7376-7394.	4.9	162
40	Resource Allocation for Secure Multi-User Downlink MISO-URLLC Systems. , 2020, , .		12
41	Resource Allocation for Multi-User Downlink MISO OFDMA-URLLC Systems. IEEE Transactions on Communications, 2020, 68, 7184-7200.	4.9	62
42	Millimeter-Wave Full-Duplex UAV Relay: Joint Positioning, Beamforming, and Power Control. IEEE Journal on Selected Areas in Communications, 2020, 38, 2057-2073.	9.7	105
43	Compressive Sensing-Based Adaptive Active User Detection and Channel Estimation: Massive Access Meets Massive MIMO. IEEE Transactions on Signal Processing, 2020, 68, 764-779.	3.2	205
44	Multi-Objective Optimization for Secure Full-Duplex Wireless Communication Systems. , 2020, , 275-298.		0
45	Joint Uplink-Downlink Resource Allocation for OFDMA-URLLC MEC Systems. , 2020, , .		6
46	Receiver Mechanisms for Synthetic Molecular Communication Systems with Diffusion. , 2020, , 1183-1190.		0
47	An Analysis of Price Competition in Heterogeneous Electric Vehicle Charging Stations. IEEE Transactions on Smart Grid, 2019, 10, 3990-4002.	6.2	42
48	OTFS-NOMA: An Efficient Approach for Exploiting Heterogenous User Mobility Profiles. IEEE Transactions on Communications, 2019, 67, 7950-7965.	4.9	98
49	Downlink Precoder Design for Two-User Power-Domain MIMO-NOMA with Excess Degrees of Freedom. , 2019, , .		3
50	Generalized Wireless-Powered Communications: When to Activate Wireless Power Transfer?. IEEE Transactions on Vehicular Technology, 2019, 68, 8243-8248.	3.9	25
51	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.	4.9	21
52	Data-Aided Secure Massive MIMO Transmission Under the Pilot Contamination Attack. IEEE Transactions on Communications, 2019, 67, 4765-4781.	4.9	20
53	Cache-Aided Non-Orthogonal Multiple Access: The Two-User Case. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 436-451.	7.3	31
54	Optimal 3D-Trajectory Design and Resource Allocation for Solar-Powered UAV Communication Systems. IEEE Transactions on Communications, 2019, 67, 4281-4298.	4.9	285

#	ARTICLE	IF	CITATIONS
55	Enabling Secure Wireless Communications via Intelligent Reflecting Surfaces. , 2019, , .		210
56	Resource Allocation for Secure IRS-Assisted Multiuser MISO Systems. , 2019, , .		117
57	Precoder Design for Two-User Uplink MIMO-NOMA with Simultaneous Triangularization. , 2019, , .		3
58	MISO Wireless Communication Systems via Intelligent Reflecting Surfaces : (Invited Paper). , 2019, , .		158
59	Cache-Enabled Physical Layer Security for Video Streaming in Backhaul-Limited Cellular Networks. IEEE Transactions on Wireless Communications, 2018, 17, 736-751.	6.1	54
60	Resource Management for Device-to-Device Communication: A Physical Layer Security Perspective. IEEE Journal on Selected Areas in Communications, 2018, 36, 946-960.	9.7	63
61	Secure Video Streaming in Heterogeneous Small Cell Networks With Untrusted Cache Helpers. IEEE Transactions on Wireless Communications, 2018, 17, 2645-2661.	6.1	26
62	Spectral and Energy-Efficient Wireless Powered IoT Networks: NOMA or TDMA?. IEEE Transactions on Vehicular Technology, 2018, 67, 6663-6667.	3.9	198
63	Power-Efficient and Secure WPCNs With Hardware Impairments and Non-Linear EH Circuit. IEEE Transactions on Communications, 2018, 66, 2642-2657.	4.9	56
64	Robust and Secure Resource Allocation for Full-Duplex MISO Multicarrier NOMA Systems. IEEE Transactions on Communications, 2018, 66, 4119-4137.	4.9	115
65	Dynamic Decode-and-Forward Based Cooperative NOMA With Spatially Random Users. IEEE Transactions on Wireless Communications, 2018, 17, 3340-3356.	6.1	54
66	Optimization of Aggregate Capacity of PEVs for Frequency Regulation Service in Day-Ahead Market. IEEE Transactions on Smart Grid, 2018, 9, 3519-3529.	6.2	41
67	Modeling Duct Flow for Molecular Communication. , 2018, , .		25
68	Delay Minimization for NOMA-MEC Offloading. IEEE Signal Processing Letters, 2018, 25, 1875-1879.	2.1	144
69	Data-Aided Secure Massive MIMO Transmission with Active Eavesdropping. , 2018, , .		6
70	Coverage and Rate Analysis of Millimeter Wave NOMA Networks With Beam Misalignment. IEEE Transactions on Wireless Communications, 2018, 17, 8211-8227.	6.1	39
71	Stable Throughput Regions of Opportunistic NOMA and Cooperative NOMA With Full-Duplex Relaying. IEEE Transactions on Wireless Communications, 2018, 17, 5059-5075.	6.1	26
72	On the Application of NOMA to Wireless Caching. , 2018, , .		10

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73	Pilot Spoofing Attack by Multiple Eavesdroppers. IEEE Transactions on Wireless Communications, 2018, 17, 6433-6447.	6.1	30
74	Stochastic Channel Modeling for Diffusive Mobile Molecular Communication Systems. IEEE Transactions on Communications, 2018, 66, 6205-6220.	4.9	55
75	Cache-Aided Non-Orthogonal Multiple Access. , 2018, , .		11
76	NOMA Assisted Wireless Caching: Strategies and Performance Analysis. IEEE Transactions on Communications, 2018, 66, 4854-4876.	4.9	92
77	Buffer-Aided Relaying With Discrete Transmission Rates for the Two-Hop Half-Duplex Relay Network. IEEE Transactions on Wireless Communications, 2017, 16, 967-981.	6.1	21
78	Optimal Joint Power and Subcarrier Allocation for Full-Duplex Multicarrier Non-Orthogonal Multiple Access Systems. IEEE Transactions on Communications, 2017, 65, 1077-1091.	4.9	442
79	Analysis and Design of Secure Massive MIMO Systems in the Presence of Hardware Impairments. IEEE Transactions on Wireless Communications, 2017, 16, 2001-2016.	6.1	80
80	Robust Resource Allocation for MIMO Wireless Powered Communication Networks Based on a Non-Linear EH Model. IEEE Transactions on Communications, 2017, 65, 1984-1999.	4.9	270
81	Low-Complexity MIMO Precoding for Finite-Alphabet Signals. IEEE Transactions on Wireless Communications, 2017, 16, 4571-4584.	6.1	46
82	NOMA Meets Finite Resolution Analog Beamforming in Massive MIMO and Millimeter-Wave Networks. IEEE Communications Letters, 2017, 21, 1879-1882.	2.5	66
83	Secure Transmission with Large Numbers of Antennas and Finite Alphabet Inputs. IEEE Transactions on Communications, 2017, , 1-1.	4.9	53
84	Robust Chance-Constrained Optimization for Power-Efficient and Secure SWIPT Systems. IEEE Transactions on Green Communications and Networking, 2017, 1, 333-346.	3.5	59
85	On the Design of Matched Filters for Molecule Counting Receivers. IEEE Communications Letters, 2017, 21, 1711-1714.	2.5	46
86	Simulating with AcCoRD: Actor-based Communication via Reactionâ€“Diffusion. Nano Communication Networks, 2017, 11, 44-75.	1.6	46
87	An Overview of Sustainable Green 5G Networks. IEEE Wireless Communications, 2017, 24, 72-80.	6.6	427
88	Symbol synchronization for diffusive molecular communication systems. , 2017, , .		28
89	Optimal resource allocation for multicarrier MISO-NOMA systems. , 2017, , .		17
90	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.	9.7	1,775

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91	Joint power and subcarrier allocation for multicarrier full-duplex systems. , 2017, , .		7
92	Large-Scale MIMO Secure Transmission with Finite Alphabet Inputs. , 2017, , .		0
93	Power-Efficient and Secure WPCNs with Residual Hardware Impairments and a Non-Linear EH Model. , 2017, , .		4
94	Statistical Analysis of Time-Variant Channels in Diffusive Mobile Molecular Communications. , 2017, , .		18
95	Max-Min Fair Beamforming for SWIPT Systems with Non-Linear EH Model. , 2017, , .		9
96	Distributed user-centric scheduling for visible light communication networks. Optics Express, 2016, 24, 15570.	1.7	14
97	Cache-Enabled Physical-Layer Security for Video Streaming in Wireless Networks with Limited Backhaul. , 2016, , .		6
98	Robust Optimization with Probabilistic Constraints for Power-Efficient and Secure SWIPT. , 2016, , .		4
99	Optimal Joint Power and Subcarrier Allocation for MC-NOMA Systems. , 2016, , .		110
100	Robust resource allocation for full-duplex cognitive radio systems. , 2016, , .		5
101	Optimal Buffer-Aided Relaying with Imperfect CSI. IEEE Communications Letters, 2016, , 1-1.	2.5	9
102	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.	6.1	66
103	Power Allocation for SC-FDE-Based CR Systems Under Explicit Primary User Protection. IEEE Communications Letters, 2016, 20, 858-861.	2.5	2
104	Multi-objective beamforming for energy-efficient SWIPT systems. , 2016, , .		17
105	Ion Channel Based Bio-Synthetic Modulator for Diffusive Molecular Communication. IEEE Transactions on Nanobioscience, 2016, 15, 418-432.	2.2	38
106	Multi-Objective Optimization for Robust Power Efficient and Secure Full-Duplex Wireless Communication Systems. IEEE Transactions on Wireless Communications, 2016, 15, 5511-5526.	6.1	131
107	Non-Coherent Multiple-Symbol Detection for Diffusive Molecular Communications. , 2016, , .		12
108	Robust beamforming for SWIPT systems with non-linear energy harvesting model. , 2016, , .		29

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109	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.	2.2	80
110	Novel protocol with improved outage probability performance for the fading two-hop half-duplex relay channel. , 2016, , .		0
111	On the Outage Performance of Non-Orthogonal Multiple Access With 1-bit Feedback. IEEE Transactions on Wireless Communications, 2016, 15, 6716-6730.	6.1	89
112	Ion pump based bio-synthetic modulator model for diffusive molecular communications. , 2016, , .		5
113	Transmit beamforming for QoE improvement in C-RAN with mobile virtual network operators. , 2016, , .		4
114	User-Centric Energy Efficiency Maximization for Wireless Powered Communications. IEEE Transactions on Wireless Communications, 2016, 15, 6898-6912.	6.1	88
115	Buffer-Aided Diamond Relay Network With Block Fading and Inter-Relay Interference. IEEE Transactions on Wireless Communications, 2016, 15, 7357-7372.	6.1	30
116	Secure Massive MIMO Transmission With an Active Eavesdropper. IEEE Transactions on Information Theory, 2016, 62, 3880-3900.	1.5	264
117	Load Scheduling and Power Trading in Systems With High Penetration of Renewable Energy Resources. IEEE Transactions on Smart Grid, 2016, 7, 1802-1812.	6.2	183
118	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.	3.9	190
119	User Association in 5G Networks: A Survey and an Outlook. IEEE Communications Surveys and Tutorials, 2016, 18, 1018-1044.	24.8	462
120	Energy-Efficient 5G Outdoor-to-Indoor Communication: SUDAS Over Licensed and Unlicensed Spectrum. IEEE Transactions on Wireless Communications, 2016, 15, 3170-3186.	6.1	24
121	Power Efficient Resource Allocation for Full-Duplex Radio Distributed Antenna Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2896-2911.	6.1	95
122	Buffer-Aided Relaying With Outdated CSI. IEEE Transactions on Wireless Communications, 2016, 15, 1979-1997.	6.1	27
123	Energy-Efficient Resource Allocation for Wireless Powered Communication Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2312-2327.	6.1	299
124	Robust Layered Transmission in Secure MISO Multiuser Unicast Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 8267-8282.	3.9	11
125	A General MIMO Framework for NOMA Downlink and Uplink Transmission Based on Signal Alignment. IEEE Transactions on Wireless Communications, 2016, 15, 4438-4454.	6.1	463
126	Linear Precoding of Data and Artificial Noise in Secure Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2016, 15, 2245-2261.	6.1	159

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127	Residential Demand Side Management Under High Penetration of Rooftop Photovoltaic Units. IEEE Transactions on Smart Grid, 2016, 7, 1597-1608.	6.2	147
128	Risk-averse forward contract for electric vehicle frequency regulation service. , 2015, , .		7
129	Outage analysis of q-duplex RF/FSO relaying. , 2015, , .		3
130	On the Statistics of Reaction-Diffusion Simulations for Molecular Communication. , 2015, , .		1
131	Robust MMSE design for full-duplex decode-and-forward SC-FDE relay systems. , 2015, , .		0
132	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.	6.1	16
133	Optimal multiuser scheduling schemes for simultaneous wireless information and power transfer. , 2015, , .		7
134	Buffer-aided relaying with discrete transmission rates. , 2015, , .		2
135	Power dispatch and load control with generation uncertainty. , 2015, , .		6
136	Mixed RF and Hybrid RF/FSO Relaying. , 2015, , .		9
137	Power efficient and secure full-duplex wireless communication systems. , 2015, , .		1
138	Bidirectional Buffer-Aided Relay Networks With Fixed Rate Transmissionâ€”Part II: Delay-Constrained Case. IEEE Transactions on Wireless Communications, 2015, 14, 1339-1355.	6.1	59
139	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.	1.5	49
140	Linear Precoding for the MIMO Multiple Access Channel With Finite Alphabet Inputs and Statistical CSI. IEEE Transactions on Wireless Communications, 2015, 14, 983-997.	6.1	68
141	Secure and Green SWIPT in Distributed Antenna Networks With Limited Backhaul Capacity. IEEE Transactions on Wireless Communications, 2015, 14, 5082-5097.	6.1	153
142	Application of smart antenna technologies in simultaneous wireless information and power transfer. , 2015, 53, 86-93.		380
143	Achievable Rates for the Fading Half-Duplex Single Relay Selection Network Using Buffer-Aided Relaying. IEEE Transactions on Wireless Communications, 2015, 14, 4494-4507.	6.1	36
144	Joint Channel Parameter Estimation via Diffusive Molecular Communication. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2015, 1, 4-17.	1.4	73

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145	Energy-efficient transmission for wireless powered multiuser communication networks. , 2015, , .		23
146	Online resource allocation for energy harvesting downlink MIMO systems with finite-alphabet inputs. , 2015, , .		1
147	Practical Non-Linear Energy Harvesting Model and Resource Allocation for SWIPT Systems. IEEE Communications Letters, 2015, 19, 2082-2085.	2.5	743
148	Bidirectional Buffer-Aided Relay Networks With Fixed Rate Transmissionâ€”Part I: Delay-Unconstrained Case. IEEE Transactions on Wireless Communications, 2015, 14, 1323-1338.	6.1	35
149	A robust design of electric vehicle frequency regulation service. , 2014, , .		15
150	Secure layered transmission in multicast systems with wireless information and power transfer. , 2014, , .		22
151	Diffusive molecular communication with disruptive flows. , 2014, , .		22
152	Robust cooperative beamforming for SC-FDMA based multi-relay networks. , 2014, , .		0
153	Delay constrained buffer-aided relaying with outdated CSI. , 2014, , .		9
154	A Unifying Model for External Noise Sources and ISI in Diffusive Molecular Communication. IEEE Journal on Selected Areas in Communications, 2014, 32, 2330-2343.	9.7	56
155	Optimal Receiver Design for Diffusive Molecular Communication With Flow and Additive Noise. IEEE Transactions on Nanobioscience, 2014, 13, 350-362.	2.2	196
156	Max-min fair wireless energy transfer for secure multiuser communication systems. , 2014, , .		25
157	Bounds on distance estimation via diffusive molecular communication. , 2014, , .		28
158	Adaptive mode selection for bidirectional relay networks â€” Fixed rate transmission. , 2014, , .		4
159	Improving Receiver Performance of Diffusive Molecular Communication With Enzymes. IEEE Transactions on Nanobioscience, 2014, 13, 31-43.	2.2	240
160	Simultaneous wireless information and power transfer in modern communication systems. , 2014, 52, 104-110.		737
161	Resource allocation for coordinated multipoint networks with wireless information and power transfer. , 2014, , .		31
162	Analysis and design of two-hop diffusion-based molecular communication networks. , 2014, , .		29

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163	Achievable rates for the fading half-duplex single relay selection network using buffer-aided relaying. , 2014, , .		5
164	SLNC for Multi-Source Multi-Relay BICM-OFDM Systems. IEEE Transactions on Wireless Communications, 2014, 13, 2096-2112.	6.1	2
165	Power Allocation for Conventional and Buffer-Aided Link Adaptive Relaying Systems with Energy Harvesting Nodes. IEEE Transactions on Wireless Communications, 2014, 13, 1182-1195.	6.1	69
166	Improving and Bounding Asymptotic Approximations for Diversity Combiners in Correlated Generalized Rician Fading. IEEE Transactions on Wireless Communications, 2014, 13, 736-748.	6.1	19
167	Joint Source-Relay Optimization for Fixed Receivers in Multi-Antenna Multi-Relay Networks. IEEE Transactions on Wireless Communications, 2014, 13, 62-74.	6.1	8
168	Colocated and Distributed Switch-and-Stay Combining: Optimality Under Switching Rate Constraints. IEEE Transactions on Vehicular Technology, 2014, 63, 451-457.	3.9	4
169	Performance analysis of a power line communication system employing selection combining in correlated log-normal channels and impulsive noise. IET Communications, 2014, 8, 1072-1082.	1.5	40
170	Secure Transmission With Antenna Selection in MIMO Nakagami- m Fading Channels. IEEE Transactions on Wireless Communications, 2014, 13, 6054-6067.	6.1	142
171	Real-Time Pricing for Demand Response Based on Stochastic Approximation. IEEE Transactions on Smart Grid, 2014, 5, 789-798.	6.2	106
172	Achievable Rate Region of the Bidirectional Buffer-Aided Relay Channel With Block Fading. IEEE Transactions on Information Theory, 2014, 60, 7090-7111.	1.5	89
173	Performance Analysis of OSTBC Relaying in AF MIMO Relay System with Imperfect CSI. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	3.9	14
174	Repeated Intersession Network Coding Games: Efficiency and Min-Max Bargaining Solution. IEEE/ACM Transactions on Networking, 2014, 22, 1121-1135.	2.6	3
175	Robust Beamforming for Secure Communication in Systems With Wireless Information and Power Transfer. IEEE Transactions on Wireless Communications, 2014, 13, 4599-4615.	6.1	455
176	Rate Optimization for Hybrid SC-FDE/OFDM Decode-and-Forward MIMO Relay Systems. IEEE Communications Letters, 2014, 18, 1210-1213.	2.5	1
177	Secure Transmission in Multicell Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2014, 13, 4766-4781.	6.1	257
178	Utilizing renewable energy resources by adopting DSM techniques and storage facilities. , 2014, , .		11
179	Direct Electricity Trading in Smart Grid: A Coalitional Game Analysis. IEEE Journal on Selected Areas in Communications, 2014, 32, 1398-1411.	9.7	171
180	Cross-Layer Optimization of Fast Video Delivery in Cache-Enabled Relaying Networks. , 2014, , .		0

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181	Multi-Objective Optimization for Power Efficient Full-Duplex Wireless Communication Systems. , 2014, , ,		0
182	Amplify-and-Forward Relaying in Two-Hop Diffusion-Based Molecular Communication Networks. , 2014, , ,		2
183	A delay-constrained protocol with adaptive mode selection for bidirectional relay networks. , 2014, , ,		1
184	Optimal Power Allocation for Wideband Cognitive Radio Networks Employing SC-FDMA. IEEE Communications Letters, 2013, 17, 669-672.	2.5	12
185	WLAN Service Providers' Price Competition with Uncertainty in User Demand. IEEE Communications Letters, 2013, 17, 517-520.	2.5	1
186	The Diversity Potential of Relay Selection with Practical Channel Estimation. IEEE Transactions on Wireless Communications, 2013, 12, 481-493.	6.1	20
187	Buffer-Aided Relaying with Adaptive Link Selection. IEEE Journal on Selected Areas in Communications, 2013, 31, 1530-1542.	9.7	206
188	Optimal storage-aided wind generation integration considering ramping requirements. , 2013, , ,		8
189	Power Allocation for an Energy Harvesting Transmitter with Hybrid Energy Sources. IEEE Transactions on Wireless Communications, 2013, 12, 6255-6267.	6.1	65
190	Diversity and Delay Analysis of Buffer-Aided BICM-OFDM Relaying. IEEE Transactions on Wireless Communications, 2013, 12, 5506-5519.	6.1	27
191	Energy-Efficient Resource Allocation in OFDMA Systems with Hybrid Energy Harvesting Base Station. IEEE Transactions on Wireless Communications, 2013, 12, 3412-3427.	6.1	217
192	Energy-efficient resource allocation in multiuser OFDM systems with wireless information and power transfer. , 2013, , ,		83
193	MIMO Wiretap Channels: Secure Transmission Using Transmit Antenna Selection and Receive Generalized Selection Combining. IEEE Communications Letters, 2013, 17, 1754-1757.	2.5	87
194	Transmit Antenna Selection for Security Enhancement in MIMO Wiretap Channels. IEEE Transactions on Communications, 2013, 61, 144-154.	4.9	355
195	Tackling the photovoltaic integration challenge in the distribution network with deferrable load. , 2013, , ,		2
196	Transceiver Design for SC-FDE Based MIMO Relay Systems. IEEE Transactions on Wireless Communications, 2013, 12, 4376-4391.	6.1	7
197	Using dimensional analysis to assess scalability and accuracy in molecular communication. , 2013, , ,		53
198	Optimal Tx-BF for MIMO SC-FDE Systems. IEEE Communications Letters, 2013, 17, 1509-1512.	2.5	5

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199	Optimal Relay Selection for Outdated CSI. IEEE Communications Letters, 2013, 17, 503-506.	2.5	15
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