

# Robert Schober

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11250388/publications.pdf>

Version: 2024-02-01

381  
papers

27,615  
citations

9786

73  
h-index

7745

150  
g-index

391  
all docs

391  
docs citations

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.	9.2	197
2	A Survey on Millimeter-Wave Beamforming Enabled UAV Communications and Networking. IEEE Communications Surveys and Tutorials, 2022, 24, 557-610.	39.4	135
3	Resource Allocation for Simultaneous Wireless Information and Power Transfer Systems: A Tutorial Overview. Proceedings of the IEEE, 2022, 110, 127-149.	21.3	24
4	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
5	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
6	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
7	Hybrid NOMA Offloading in Multi-User MEC Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5377-5391.	9.2	45
8	Deep Learning-Based Resource Allocation for Device-to-Device Communication. IEEE Transactions on Wireless Communications, 2022, 21, 5235-5250.	9.2	11
9	Modeling and Design of IRS-Assisted Multilink FSO Systems. IEEE Transactions on Communications, 2022, 70, 3333-3349.	7.8	19
10	Molecule Harvesting Transmitter Model for Molecular Communication Systems. IEEE Open Journal of the Communications Society, 2022, 3, 391-410.	6.9	2
11	Channel Estimation for IRS-Assisted Millimeter-Wave MIMO Systems: Sparsity-Inspired Approaches. IEEE Transactions on Communications, 2022, 70, 4078-4092.	7.8	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.	39.4	42
15	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
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.	7.8	17
17	Massive Access for 5G and Beyond. IEEE Journal on Selected Areas in Communications, 2021, 39, 615-637.	14.0	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.	7.8	16
22	Physics-Based Modeling and Scalable Optimization of Large Intelligent Reflecting Surfaces. IEEE Transactions on Communications, 2021, 69, 2673-2691.	7.8	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.	9.2	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.	5.0	73
26	A Minimum Error Probability NOMA Design. IEEE Transactions on Wireless Communications, 2021, 20, 4221-4237.	9.2	12
27	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
28	IRS-Assisted Green Communication Systems: Provable Convergence and Robust Optimization. IEEE Transactions on Communications, 2021, 69, 6313-6329.	7.8	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.	14.0	202
31	Saturating Receiver and Receptor Competition in Synaptic DMC: Deterministic and Statistical Signal Models. IEEE Transactions on Nanobioscience, 2021, 20, 464-479.	3.3	9
32	Three-Dimensional Placement and Transmit Power Design for UAV Covert Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 13424-13429.	6.3	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.	9.0	75
36	Wireless Powered ALOHA Networks With UAV-Mounted-Base Stations. IEEE Wireless Communications Letters, 2020, 9, 56-60.	5.0	7

#	ARTICLE	IF	CITATIONS
37	Robust and Secure Wireless Communications via Intelligent Reflecting Surfaces. IEEE Journal on Selected Areas in Communications, 2020, 38, 2637-2652.	14.0	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.	7.8	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.	7.8	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.	14.0	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.	5.3	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.	9.0	42
48	OTFS-NOMA: An Efficient Approach for Exploiting Heterogenous User Mobility Profiles. IEEE Transactions on Communications, 2019, 67, 7950-7965.	7.8	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.	6.3	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.	7.8	21
52	Data-Aided Secure Massive MIMO Transmission Under the Pilot Contamination Attack. IEEE Transactions on Communications, 2019, 67, 4765-4781.	7.8	20
53	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
54	Optimal 3D-Trajectory Design and Resource Allocation for Solar-Powered UAV Communication Systems. IEEE Transactions on Communications, 2019, 67, 4281-4298.	7.8	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.	9.2	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.	14.0	63
61	Secure Video Streaming in Heterogeneous Small Cell Networks With Untrusted Cache Helpers. IEEE Transactions on Wireless Communications, 2018, 17, 2645-2661.	9.2	26
62	Spectral and Energy-Efficient Wireless Powered IoT Networks: NOMA or TDMA?. IEEE Transactions on Vehicular Technology, 2018, 67, 6663-6667.	6.3	198
63	Power-Efficient and Secure WPCNs With Hardware Impairments and Non-Linear EH Circuit. IEEE Transactions on Communications, 2018, 66, 2642-2657.	7.8	56
64	Robust and Secure Resource Allocation for Full-Duplex MISO Multicarrier NOMA Systems. IEEE Transactions on Communications, 2018, 66, 4119-4137.	7.8	115
65	Dynamic Decode-and-Forward Based Cooperative NOMA With Spatially Random Users. IEEE Transactions on Wireless Communications, 2018, 17, 3340-3356.	9.2	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.	9.0	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.	3.6	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.	9.2	39
71	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
72	On the Application of NOMA to Wireless Caching. , 2018, , .		10

#	ARTICLE	IF	CITATIONS
73	Pilot Spoofing Attack by Multiple Eavesdroppers. IEEE Transactions on Wireless Communications, 2018, 17, 6433-6447.	9.2	30
74	Stochastic Channel Modeling for Diffusive Mobile Molecular Communication Systems. IEEE Transactions on Communications, 2018, 66, 6205-6220.	7.8	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.	7.8	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.	9.2	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.	7.8	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.	9.2	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.	7.8	270
81	Low-Complexity MIMO Precoding for Finite-Alphabet Signals. IEEE Transactions on Wireless Communications, 2017, 16, 4571-4584.	9.2	46
82	NOMA Meets Finite Resolution Analog Beamforming in Massive MIMO and Millimeter-Wave Networks. IEEE Communications Letters, 2017, 21, 1879-1882.	4.1	66
83	Secure Transmission with Large Numbers of Antennas and Finite Alphabet Inputs. IEEE Transactions on Communications, 2017, , 1-1.	7.8	53
84	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
85	On the Design of Matched Filters for Molecule Counting Receivers. IEEE Communications Letters, 2017, 21, 1711-1714.	4.1	46
86	Simulating with AcCoRD: Actor-based Communication via Reactionâ€“Diffusion. Nano Communication Networks, 2017, 11, 44-75.	2.9	46
87	An Overview of Sustainable Green 5G Networks. IEEE Wireless Communications, 2017, 24, 72-80.	9.0	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.	14.0	1,775

#	ARTICLE	IF	CITATIONS
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.	3.4	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.	4.1	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.	9.2	66
103	Power Allocation for SC-FDE-Based CR Systems Under Explicit Primary User Protection. IEEE Communications Letters, 2016, 20, 858-861.	4.1	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.	3.3	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.	9.2	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

#	ARTICLE	IF	CITATIONS
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.	3.3	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.	9.2	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.	9.2	88
115	Buffer-Aided Diamond Relay Network With Block Fading and Inter-Relay Interference. IEEE Transactions on Wireless Communications, 2016, 15, 7357-7372.	9.2	30
116	Secure Massive MIMO Transmission With an Active Eavesdropper. IEEE Transactions on Information Theory, 2016, 62, 3880-3900.	2.4	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.	9.0	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.	6.3	190
119	User Association in 5G Networks: A Survey and an Outlook. IEEE Communications Surveys and Tutorials, 2016, 18, 1018-1044.	39.4	462
120	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
121	Power Efficient Resource Allocation for Full-Duplex Radio Distributed Antenna Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2896-2911.	9.2	95
122	Buffer-Aided Relaying With Outdated CSI. IEEE Transactions on Wireless Communications, 2016, 15, 1979-1997.	9.2	27
123	Energy-Efficient Resource Allocation for Wireless Powered Communication Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2312-2327.	9.2	299
124	Robust Layered Transmission in Secure MISO Multiuser Unicast Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 8267-8282.	6.3	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.	9.2	463
126	Linear Precoding of Data and Artificial Noise in Secure Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2016, 15, 2245-2261.	9.2	159



#	ARTICLE	IF	CITATIONS
127	Residential Demand Side Management Under High Penetration of Rooftop Photovoltaic Units. IEEE Transactions on Smart Grid, 2016, 7, 1597-1608.	9.0	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.	9.2	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.	9.2	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.	2.2	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.	9.2	68
141	Secure and Green SWIPT in Distributed Antenna Networks With Limited Backhaul Capacity. IEEE Transactions on Wireless Communications, 2015, 14, 5082-5097.	9.2	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.	9.2	36
144	Joint Channel Parameter Estimation via Diffusive Molecular Communication. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2015, 1, 4-17.	2.1	73

#	ARTICLE	IF	CITATIONS
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.	4.1	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.	9.2	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.	14.0	56
155	Optimal Receiver Design for Diffusive Molecular Communication With Flow and Additive Noise. IEEE Transactions on Nanobioscience, 2014, 13, 350-362.	3.3	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.	3.3	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

#	ARTICLE	IF	CITATIONS
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.	9.2	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.	9.2	69
166	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
167	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
168	Colocated and Distributed Switch-and-Stay Combining: Optimality Under Switching Rate Constraints. IEEE Transactions on Vehicular Technology, 2014, 63, 451-457.	6.3	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.	2.2	40
170	Secure Transmission With Antenna Selection in MIMO Nakagami- $m$ Fading Channels. IEEE Transactions on Wireless Communications, 2014, 13, 6054-6067.	9.2	142
171	Real-Time Pricing for Demand Response Based on Stochastic Approximation. IEEE Transactions on Smart Grid, 2014, 5, 789-798.	9.0	106
172	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
173	Performance Analysis of OSTBC Relaying in AF MIMO Relay System with Imperfect CSI. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	14
174	Repeated Inter-session Network Coding Games: Efficiency and Min-Max Bargaining Solution. IEEE/ACM Transactions on Networking, 2014, 22, 1121-1135.	3.8	3
175	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
176	Rate Optimization for Hybrid SC-FDE/OFDM Decode-and-Forward MIMO Relay Systems. IEEE Communications Letters, 2014, 18, 1210-1213.	4.1	1
177	Secure Transmission in Multicell Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2014, 13, 4766-4781.	9.2	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.	14.0	171
180	Cross-Layer Optimization of Fast Video Delivery in Cache-Enabled Relaying Networks. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
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.	4.1	12
185	WLAN Service Providers' Price Competition with Uncertainty in User Demand. IEEE Communications Letters, 2013, 17, 517-520.	4.1	1
186	The Diversity Potential of Relay Selection with Practical Channel Estimation. IEEE Transactions on Wireless Communications, 2013, 12, 481-493.	9.2	20
187	Buffer-Aided Relaying with Adaptive Link Selection. IEEE Journal on Selected Areas in Communications, 2013, 31, 1530-1542.	14.0	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.	9.2	65
190	Diversity and Delay Analysis of Buffer-Aided BICM-OFDM Relaying. IEEE Transactions on Wireless Communications, 2013, 12, 5506-5519.	9.2	27
191	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
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.	4.1	87
194	Transmit Antenna Selection for Security Enhancement in MIMO Wiretap Channels. IEEE Transactions on Communications, 2013, 61, 144-154.	7.8	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.	9.2	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.	4.1	5

#	ARTICLE	IF	CITATIONS
199	Optimal Relay Selection for Outdated CSI. IEEE Communications Letters, 2013, 17, 503-506.	4.1	15
200	Relay Selection Protocols for Relay-Assisted Free-Space Optical Systems. Journal of Optical Communications and Networking, 2013, 5, 92.	4.8	129
201	Outage Analysis of Multihop Full Duplex Relaying. IEEE Communications Letters, 2013, 17, 63-66.	4.1	85
202	Wireless Information and Power Transfer: Energy Efficiency Optimization in OFDMA Systems. IEEE Transactions on Wireless Communications, 2013, 12, 6352-6370.	9.2	458
203	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
204	Buffer-Aided Relaying With Adaptive Link Selection—Fixed and Mixed Rate Transmission. IEEE Transactions on Information Theory, 2013, 59, 2816-2840.	2.4	163
205	Tackling the Load Uncertainty Challenges for Energy Consumption Scheduling in Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 1007-1016.	9.0	148
206	Performance and Optimization of Network-Coded Cooperative Diversity Systems. IEEE Transactions on Communications, 2013, 61, 1111-1122.	7.8	31
207	Joint Power Allocation and Relay Selection in Energy Harvesting AF Relay Systems. IEEE Wireless Communications Letters, 2013, 2, 239-242.	5.0	134
208	Resource allocation for secure communication in systems with wireless information and power transfer. , 2013, , .		32
209	Channel level crossing—based security for communications over fading channels. IET Information Security, 2013, 7, 221-229.	1.7	6
210	Optimisation of power allocation for asymmetric relay placement in multi-hop relay systems. IET Communications, 2013, 7, 128-136.	2.2	5
211	Wireless local area network service providers—price competition in presence of heterogeneous user demand. IET Communications, 2013, 7, 2113-2121.	2.2	0
212	Asymptotically tight error rate bounds for EGC in correlated generalized Rician fading. , 2013, , .		3
213	How sensitive is compute-and-forward to channel estimation errors?. , 2013, , .		7
214	Multi-objective beamforming for secure communication in systems with wireless information and power transfer. , 2013, , .		29
215	Energy-efficient power allocation in OFDM systems with wireless information and power transfer. , 2013, , .		40
216	Adaptive energy consumption scheduling with load uncertainty for the smart grid. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
217	Guest Editorial: Large-Scale Multiple Antenna Wireless Systems. IEEE Journal on Selected Areas in Communications, 2013, 31, 113-116.	14.0	8
218	Beamforming and combining based on estimated channels in cooperative relay networks. , 2012, , .		8
219	Joint transceiver design for MIMO relay systems employing SC-FDE. , 2012, , .		1
220	Cooperative Beamforming for Single-Carrier Frequency-Domain Equalization Systems with Multiple Relays. IEEE Transactions on Wireless Communications, 2012, 11, 2276-2286.	9.2	19
221	Utility-Optimal Random Access for Wireless Multimedia Networks. IEEE Wireless Communications Letters, 2012, 1, 340-343.	5.0	16
222	Energy-efficient power allocation for M2M communications with energy harvesting transmitter. , 2012, , .		19
223	Optimal power allocation in a multi-hop decode-and-forward communication system. , 2012, , .		1
224	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
225	Dual-hop amplify-and-forward transmission with imperfect channel estimates at the relay. , 2012, , .		3
226	Spectral efficiency in large-scale MIMO-OFDM systems with per-antenna power cost. , 2012, , .		5
227	Combined relay selection and cooperative beamforming for physical layer security. Journal of Communications and Networks, 2012, 14, 364-373.	2.6	56
228	Performance of a PLC system in impulsive noise with selection combining. , 2012, , .		23
229	EDFA-Based All-Optical Relaying in Free-Space Optical Systems. IEEE Transactions on Communications, 2012, 60, 3797-3807.	7.8	95
230	Buffer-aided relaying with mixed rate transmission. , 2012, , .		2
231	Sensing Time and Power Optimization in MIMO Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2012, 11, 3398-3408.	9.2	33
232	Mimicking Full-Duplex Relaying Using Half-Duplex Relays With Buffers. IEEE Transactions on Vehicular Technology, 2012, 61, 3025-3037.	6.3	145
233	Joint channel estimation and decoding of space-time block codes in AF MIMO relay networks. , 2012, , .		18
234	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

#	ARTICLE	IF	CITATIONS
235	Diversity combining in FSO systems in presence of non-Gaussian noise. , 2012, , .		12
236	Max-Max Relay Selection for Relays with Buffers. IEEE Transactions on Wireless Communications, 2012, 11, 1124-1135.	9.2	267
237	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
238	Advanced Demand Side Management for the Future Smart Grid Using Mechanism Design. IEEE Transactions on Smart Grid, 2012, 3, 1170-1180.	9.0	654
239	Enhanced MRC for Decode-and-Forward Cooperative Diversity Systems. IEEE Transactions on Wireless Communications, 2012, 11, 3418-3423.	9.2	16
240	Power Allocation in Energy Harvesting Relay Systems. , 2012, , .		21
241	Joint beamforming, resource allocation, and scheduling for multi-cell multi-user MIMO-OFDMA systems. , 2012, , .		2
242	Convex Sensing-Reporting Optimization for Cooperative Spectrum Sensing. IEEE Transactions on Wireless Communications, 2012, 11, 1900-1910.	9.2	14
243	Secure MISO cognitive radio system with perfect and imperfect CSI. , 2012, , .		17
244	Performance Analysis of Decode-and-Forward Multi-Hop Communication: A Difference Equation Approach. IEEE Transactions on Communications, 2012, 60, 339-345.	7.8	22
245	Energy-Efficient Resource Allocation for Secure OFDMA Systems. IEEE Transactions on Vehicular Technology, 2012, 61, 2572-2585.	6.3	296
246	Performance and Design of Coherent and Differential Space-Time Coded FSO Systems. Journal of Lightwave Technology, 2012, 30, 1569-1577.	4.6	29
247	Asymptotic Performance of Generalized Selection Combining in Generic Noise and Fading. IEEE Transactions on Communications, 2012, 60, 916-922.	7.8	12
248	Dynamic Resource Allocation in MIMO-OFDMA Systems with Full-Duplex and Hybrid Relaying. IEEE Transactions on Communications, 2012, 60, 1291-1304.	7.8	178
249	Amplify-and-Forward Relay Selection with Outdated Channel Estimates. IEEE Transactions on Communications, 2012, 60, 1278-1290.	7.8	195
250	Diversity Loss Due to Suboptimal Relay Selection. , 2011, , .		1
251	Downlink Scheduling with Transmission Strategy Selection for Two-Cell MIMO Networks. , 2011, , .		1
252	Joint Detection of Primary Systems Using UWB Impulse Radios. IEEE Transactions on Wireless Communications, 2011, 10, 419-424.	9.2	7

#	ARTICLE	IF	CITATIONS
253	Asymptotic Analysis of Space-Time Codes in Generalized Keyhole Fading Channels. IEEE Transactions on Wireless Communications, 2011, 10, 1863-1873.	9.2	4
254	Resource allocation for secure OFDMA decode-and-forward relay networks. , 2011, , .		3
255	Throughput and Diversity Gain of Buffer-Aided Relaying. , 2011, , .		58
256	Cooperative Frequency-Domain Beamforming for Broadband SC-FDE Systems. , 2011, , .		4
257	Optimal energy consumption scheduling using mechanism design for the future smart grid. , 2011, , .		74
258	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
259	Hybrid Coherent/Energy Detection for Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2011, 10, 1594-1605.	9.2	23
260	Secure Resource Allocation and Scheduling for OFDMA Decode-and-Forward Relay Networks. IEEE Transactions on Wireless Communications, 2011, 10, 3528-3540.	9.2	99
261	Buffers Improve the Performance of Relay Selection. , 2011, , .		33
262	EDFA-Based All-Optical Relaying in Free-Space Optical Systems. , 2011, , .		9
263	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
264	Multiple-Differential Encoding for Multi-Hop Amplify-and-Forward IR-UWB Systems. IEEE Transactions on Wireless Communications, 2011, 10, 2577-2591.	9.2	14
265	Outage Rate and Outage Duration of Decode-and-Forward Cooperative Diversity Systems. , 2011, , .		3
266	Guest Editorial Special Issue on Cognitive Sensor Networks. IEEE Sensors Journal, 2011, 11, 519-521.	4.7	1
267	Semiblind Iterative Receiver for Coded MIMO-OFDM Systems. IEEE Transactions on Vehicular Technology, 2011, 60, 3156-3168.	6.3	9
268	Optimal Data Transmission and Channel Code Rate Allocation in Multipath Wireless Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 3963-3974.	6.3	2
269	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
270	Adaptive L <sub>1</sub> -Norm Spectrum Sensing for Cognitive Radio Networks. IEEE Transactions on Communications, 2011, 59, 1934-1945.	7.8	63



#	ARTICLE	IF	CITATIONS
271	Pre-Equalization for Pre-Rake DS-UWB Systems with Spectral Mask Constraints. IEEE Transactions on Communications, 2011, 59, 780-791.	7.8	12
272	Cooperative Diversity With Mobile Nodes: Capacity Outage Rate and Duration. IEEE Transactions on Information Theory, 2011, 57, 6555-6568.	2.4	15
273	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
274	Diversity Analysis of Multi-User Multi-Relay Networks. IEEE Transactions on Wireless Communications, 2011, 10, 2380-2389.	9.2	38
275	Cramer-rao lower bound for channel estimation in a MUROS/VAMOS downlink transmission. , 2011, , .		3
276	Relay Selection in Relay-Assisted Free Space Optical Systems. , 2011, , .		13
277	Resource Allocation for Secure OFDMA Networks with Imperfect CSIT. , 2011, , .		7
278	Cooperative Two-Way Filter-and-Forward Beamforming for Frequency-Selective Channels. , 2011, , .		4
279	Optimal Data Transmission and Channel Code Rate Allocation in Multi-Path Wireless Networks. , 2011, , .		3
280	SINR-Based Random Access for Cognitive Radio: Distributed Algorithm and Coalitional Game. IEEE Transactions on Wireless Communications, 2011, 10, 3887-3897.	9.2	19
281	Single-antenna interference cancellation for complex-valued signal constellations with applications to GSM/EDGE. , 2011, , .		0
282	Relay Selection with Outdated Channel Estimates in Nakagami-m Fading. , 2011, , .		19
283	Optimal switch and stay combining (SSC) under switching rate constraints. , 2011, , .		2
284	Resource allocation for secure OFDMA communication systems. , 2011, , .		12
285	Performance Analysis of a Multi-Hop Communication System with Decode-and-Forward Relaying. , 2011, , .		3
286	Fixed Gain Amplify-and-Forward Relaying with Co-Channel Interference. , 2011, , .		32
287	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
288	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
289	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
290	Cross-Layer Scheduling for OFDMA Amplify-and-Forward Relay Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 1443-1458.	6.3	86
291	On space-time coding for free-space optical systems. IEEE Transactions on Communications, 2010, 58, 58-62.	7.8	54
292	Coherent max-log decision fusion in wireless sensor networks. IEEE Transactions on Communications, 2010, 58, 1327-1332.	7.8	31
293	Robust $L_p$ -Norm Decoding for BICM-Based Secondary User Systems. IEEE Transactions on Communications, 2010, 58, 3084-3090.	7.8	3
294	Beamforming for SC-FDMA transmission over MIMO ISI channels with decision-feedback equalization. , 2010, , .		2
295	MMSE Beamforming for SC-FDMA Transmission over MIMO ISI Channels with Linear Equalization. , 2010, , .		1
296	Cross-Layer Scheduling Design for OFDMA Two-Way Amplify-And-Forward Relay Networks. , 2010, , .		7
297	Switching Rate in Selective Cooperative Relaying. , 2010, , .		2
298	Optimal SINR-based Random Access. , 2010, , .		18
299	Random access for elastic and inelastic traffic in WLANs. IEEE Transactions on Wireless Communications, 2010, 9, 1861-1866.	9.2	25
300	Optimal Real-Time Pricing Algorithm Based on Utility Maximization for Smart Grid. , 2010, , .		712
301	Error rate analysis of full-duplex relaying. , 2010, , .		31
302	Optimal and autonomous incentive-based energy consumption scheduling algorithm for smart grid. , 2010, , .		345
303	Multi-user diversity gain in uplink cognitive radio systems with spectrum sensing reliability. , 2010, , .		2
304	Coherent free-space optical transmission with diversity combining for Gamma-Gamma atmospheric turbulence. , 2010, , .		2
305	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
306	On the performance of non-coherent transmission schemes with equal-gain combining in generalized $\hat{\lambda}$ -fading. IEEE Transactions on Wireless Communications, 2010, 9, 1337-1349.	9.2	29

#	ARTICLE	IF	CITATIONS
307	Multiple-symbol differential decision fusion for mobile wireless sensor networks. IEEE Transactions on Wireless Communications, 2010, 9, 778-790.	9.2	19
308	Optimal MISO UWB pre-equalizer design with spectral mask constraints. , 2010, , .		0
309	Bargaining and Price-of-Anarchy in Repeated Inter-Session Network Coding Games. , 2010, , .		5
310	Optimal rate allocation for wireless multicast systems employing hybrid-ARQ with Chase combining. , 2010, , .		1
311	Robust Transmit Processing for BICM-OFDM Systems. IEEE Transactions on Wireless Communications, 2009, 8, 5671-5681.	9.2	2
312	On the Performance of Non-Coherent Transmission Schemes with Equal-Gain Combining in Correlated Generalized K-Fading. , 2009, , .		2
313	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
314	Randomized Multi-Channel Interrogation Algorithm for Large-Scale RFID Systems. , 2009, , .		2
315	Reliability-Based Rate Allocation in Wireless Inter-Session Network Coding Systems. , 2009, , .		5
316	Efficient receivers for GSM MUROS downlink transmission. , 2009, , .		11
317	Optimal adaptive modulation and coding with switching costs. IEEE Transactions on Communications, 2009, 57, 697-706.	7.8	16
318	Fast multiple-symbol detection for free-space optical communications. IEEE Transactions on Communications, 2009, 57, 1119-1128.	7.8	112
319	Impact of WiMAX interference on MB-OFDM UWB systems: analysis and mitigation. IEEE Transactions on Communications, 2009, 57, 2818-2827.	7.8	18
320	Time-Domain Transmit Beamforming for MIMO-OFDM Systems with Finite Rate Feedback. IEEE Transactions on Communications, 2009, 57, 2828-2838.	7.8	24
321	On Noncoherent Receivers for DSTM in Spatially Correlated Fading. IEEE Transactions on Communications, 2009, 57, 2886-2890.	7.8	35
322	Performance analysis of MIMO free-space optical systems in gamma-gamma fading. IEEE Transactions on Communications, 2009, 57, 3415-3424.	7.8	308
323	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
324	Bit-interleaved coded modulation for hybrid RF/FSO systems. IEEE Transactions on Communications, 2009, 57, 3753-3763.	7.8	124

#	ARTICLE	IF	CITATIONS
325	Nonorthogonal Transmission and Noncoherent Fusion of Censored Decisions. IEEE Transactions on Vehicular Technology, 2009, 58, 263-273.	6.3	32
326	Guest editorial: optical wireless communications. IEEE Journal on Selected Areas in Communications, 2009, 27, 1521-1525.	14.0	6
327	Distributed transmit power allocation for multihop cognitive-radio systems. IEEE Transactions on Wireless Communications, 2009, 8, 5187-5201.	9.2	90
328	Multiple-antenna techniques for wireless communications - a comprehensive literature survey. IEEE Communications Surveys and Tutorials, 2009, 11, 87-105.	39.4	405
329	Cross-Layer Scheduling for OFDMA Amplify-and-Forward Relay Networks. , 2009, , .		0
330	Performance of BICM-OFDM systems in UWB interference. IEEE Transactions on Wireless Communications, 2009, 8, 4389-4392.	9.2	9
331	Adaptive Lp-norm diversity combining in non-gaussian noise and interference. IEEE Transactions on Wireless Communications, 2009, 8, 4230-4240.	9.2	27
332	Detection of multiple primary systems using DAA UWB-IRs. , 2009, , .		0
333	Pre-equalization for MISO DS-UWB systems with pre-Rake combining. IEEE Transactions on Wireless Communications, 2009, 8, 1295-1307.	9.2	15
334	Asymptotic analysis of space-time codes in generalized fading channels. IEEE Communications Letters, 2009, 13, 561-563.	4.1	15
335	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
336	Statistics of general order selection in correlated Nakagami fading channels. IEEE Transactions on Communications, 2008, 56, 344-346.	7.8	18
337	Multiple-symbol differential detection based on combinatorial geometry. IEEE Transactions on Communications, 2008, 56, 1596-1600.	7.8	15
338	Performance Evaluation of Bluetooth Systems With LDI, Modified LDI, and NSD Receivers. IEEE Transactions on Vehicular Technology, 2008, 57, 157-168.	6.3	3
339	Enhancement of the ECMA-368 UWB system by means of compatible relaying techniques. , 2008, , .		3
340	Distributed Space-Time Continuous Phase Modulation Code Design. IEEE Transactions on Wireless Communications, 2008, 7, 4455-4461.	9.2	5
341	Robust transmit processing for frequency-selective fading channels with imperfect channel feedback. IEEE Transactions on Wireless Communications, 2008, 7, 5356-5368.	9.2	4
342	Sphere Constrained Block RSSE with Per-Survivor Intra-Block Processing for CCK Transmission. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
343	Interference mitigation for coded MB-OFDM UWB. , 2008, , .		8
344	Diversity-multiplexing trade-off of the hybrid non-orthogonal amplify-decode and forward protocol. , 2008, , .		4
345	Improved OFDMA Uplink Transmission via Cooperation in the Presence of Frequency Offsets. , 2008, , .		0
346	Space-Time Continuous Phase Modulation for Non-Coherent Detection. IEEE Transactions on Wireless Communications, 2008, 7, 1264-1275.	9.2	3
347	Performance Analysis of Free-Space Optical Systems in Gamma-Gamma Fading. , 2008, , .		21
348	Performance Analysis for a Fully Decentralized Transmit Power Allocation Scheme for Relay-Assisted Cognitive-Radio Systems. , 2008, , .		16
349	Analysis of interference sensing for DAA UWB-IR systems. , 2008, , .		4
350	Analysis of the Impact of WiMAX-OFDM Interference on Multiband OFDM. , 2007, , .		14
351	Transmit beamforming for frequency-selective channels with decision-feedback equalization. IEEE Transactions on Wireless Communications, 2007, 6, 4401-4411.	9.2	12
352	Censored Noncoherent Distributed Space-Time Coding for Wireless Sensor Networks. , 2007, , .		0
353	Performance Comparison of Bluetooth LDI, Modified LDI, and NSD Receivers. , 2007, , .		0
354	Power and Weight Distribution Design Criteria for Cooperative Diversity Channels. , 2007, , .		0
355	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
356	Robust Transmit Beamforming for Frequency-Selective Fading Channels with Imperfect Channel Feedback. , 2007, , .		3
357	FIR Beamforming for Frequency-Selective Channels with Linear Equalization. IEEE Communications Letters, 2007, 11, 622-624.	4.1	4
358	Performance Analysis and Enhancement of Multiband OFDM for UWB Communications. IEEE Transactions on Wireless Communications, 2007, 6, 2182-2192.	9.2	29
359	Analysis of Narrowband Communication Systems Impaired by MB-OFDM UWB Interference. IEEE Transactions on Wireless Communications, 2007, 6, 4090-4100.	9.2	18
360	Two Novel Channel-Augmentation Schemes for MIMO Systems. IEEE Signal Processing Letters, 2007, 14, 601-604.	3.6	0

#	ARTICLE	IF	CITATIONS
361	Rate-Maximizing Multiuser Scheduling for Parallel Channel Access. IEEE Signal Processing Letters, 2007, 14, 441-444.	3.6	5
362	WiMAX Interference to MB-OFDM UWB Systems. , 2007, , .		6
363	Decentralized distributed space-time trellis coding. IEEE Transactions on Wireless Communications, 2007, 6, 3985-3993.	9.2	9
364	Equalization for DS-UWB Systems—Part I: BPSK Modulation. IEEE Transactions on Communications, 2007, 55, 1164-1173.	7.8	37
365	Equalization for DS-UWB Systems—Part II: 4BOK Modulation. IEEE Transactions on Communications, 2007, 55, 1525-1535.	7.8	15
366	Multiple-Bit Differential Detection of Shaped-Offset QPSK. IEEE Transactions on Communications, 2007, 55, 2328-2340.	7.8	9
367	Error Rate Analysis for Coded Multicarrier Systems Over Quasi-Static Fading Channels. IEEE Transactions on Communications, 2007, 55, 1646-1646.	7.8	19
368	Error Rate Analysis for Coded Multicarrier Systems Over Quasi-Static Fading Channels. IEEE Transactions on Communications, 2007, 55, 1736-1746.	7.8	31
369	Interference from MB-OFDM UWB Systems: Exact, Approximate, and Asymptotic Analysis. , 2006, , .		1
370	Shaped-Offset QPSK with Multiple-Bit Differential Detection. , 2006, , .		2
371	Equalization for 4BOK DS-UWB Systems. , 2006, , .		5
372	Bluetooth Receiver Design Based on Laurent's Decomposition. , 2006, , .		1
373	WLC08-1: Error Rate Analysis for Coded Multicarrier Systems over Quasi-Static Fading Channels. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
374	Transmission and Reception Concepts for WLAN IEEE 802.11b. IEEE Transactions on Wireless Communications, 2006, 5, 3375-3381.	9.2	11
375	Impact of Tone Interference on Multiband OFDM. , 2006, , .		1
376	Transmit Beamforming for Frequency-Selective Channels. , 2006, , .		3
377	WLC38-1: Transmit Beamforming with Finite-Rate Feedback for Frequency-Selective Channels. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	3
378	Hybrid RF/FSO communications. , 0, , 273-302.		3

#	ARTICLE	IF	CITATIONS
379	Demand-side management for smart grid: opportunities and challenges. , 0, , 69-90.		0
380	Multiple Antennas and Beamforming for SWIPT Systems. , 0, , 170-216.		1
381	Overview of New Technologies for 5G Systems. , 0, , 1-24.		6