

# Regius Rahim Tafazolli

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

195  
papers

4,160  
citations

33  
h-index

58  
g-index

208  
ext. papers

5,486  
ext. citations

6.3  
avg, IF

6.11  
L-index

#	Paper	IF	Citations
195	Compact Multi-Mode Quadrifilar Helical Antenna for GNSS-R Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2022</b> , 1-1	3.8	2
194	Reconfigurable Intelligent Surface (RIS) in the Sub-6 GHz Band: Design, Implementation, and Real-World Demonstration. <i>IEEE Access</i> , <b>2022</b> , 10, 2646-2655	3.5	9
193	Remote Production for Live Holographic Teleportation Applications in 5G Networks. <i>IEEE Transactions on Broadcasting</i> , <b>2022</b> , 1-13	4.7	1
192	Smart Grid Security and Privacy: From Conventional to Machine Learning Issues (Threats and Countermeasures). <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	0
191	RIS Assisted Wireless Powered IoT Networks with Phase Shift Error and Transceiver Hardware Impairment. <i>IEEE Transactions on Communications</i> , <b>2022</b> , 1-1	6.9	5
190	A Two-layer Collaborative Vehicle-Edge Intrusion Detection System for Vehicular Communications <b>2021</b> ,		1
189	Frame Synchronisation for Multi-Source Holographic Teleportation Applications - An Edge Computing Based Approach <b>2021</b> ,		1
188	Satellite-Based Non-Terrestrial Networks in 5G: Insights and Challenges. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	1
187	Long Slot mmWave Low-SLL Periodic-Modulated Leaky-Wave Antenna Based on Empty SIW. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	3
186	Online Advertising Security: Issues, Taxonomy, and Future Directions. <i>IEEE Communications Surveys and Tutorials</i> , <b>2021</b> , 1-1	37.1	3
185	PPVF: Privacy-Preserving Protocol for Vehicle Feedback in Cloud-Assisted VANET. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-13	6.1	15
184	Trends in Intelligent Communication Systems: Review of Standards, Major Research Projects, and Identification of Research Gaps. <i>Journal of Sensor and Actuator Networks</i> , <b>2021</b> , 10, 60	3.8	3
183	RSS: An Energy-Efficient Approach for Securing IoT Service Protocols Against the DoS Attack. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 3619-3635	10.7	15
182	Experimental Evaluation of a Millimeter-wave Fully-Connected Hybrid Beamformer with a Large Antenna Array <b>2021</b> ,		1
181	A priority, power and traffic-aware virtual machine placement of IoT applications in cloud data centers. <i>Journal of Systems Architecture</i> , <b>2021</b> , 115, 101996	5.5	8
180	A Signal Processing Framework for Agile RF Beamforming: From RF-Chain-Free to Hybrid Beamformers. <i>IEEE Transactions on Communications</i> , <b>2021</b> , 69, 4038-4053	6.9	2
179	. <i>IEEE Microwave Magazine</i> , <b>2021</b> , 22, 49-63	1.2	3

178	Surface Electromagnetic Performance Analysis of a Graphene-Based Terahertz Sensor Using a Novel Spectroscopy Technique. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2021</b> , 39, 1797-1816	14.2	2
177	Closed-loop and open-loop authentication protocols for blockchain-based IoT systems. <i>Information Processing and Management</i> , <b>2021</b> , 58, 102568	6.3	8
176	HDMA: Hybrid D2D Message Authentication Scheme for 5G-Enabled VANETs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 5071-5080	6.1	42
175	High-Gain Phased Array Antenna With Endfire Radiation for 26 GHz Wide-Beam-Scanning Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 3015-3020	4.9	5
174	LEVER: Secure Deduplicated Cloud Storage With Encrypted Two-Party Interactions in Cyber-Physical Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 5759-5768	11.9	13
173	. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 1-1	9.6	4
172	Power Budgeting of LEO Satellites: An Electrical Power System Design for 5G Missions. <i>IEEE Access</i> , <b>2021</b> , 9, 113258-113269	3.5	3
171	. <i>IEEE Transactions on Signal Processing</i> , <b>2021</b> , 69, 5134-5146	4.8	
170	Multi-Channel Near-Field Terahertz Communications Using Reprogrammable Graphene-Based Digital Metasurface. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	5
169	Softwarization of 5G Networks Implications to Open Platforms and Standardizations. <i>IEEE Access</i> , <b>2021</b> , 9, 88902-88930	3.5	2
168	Multi-objective Resource Allocation for mmWave MEC Offloading under Competition of Communication and Computing Tasks. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	1
167	A Survey on Coverage Enhancement in Cellular Networks: Challenges and Solutions for Future Deployments. <i>IEEE Communications Surveys and Tutorials</i> , <b>2021</b> , 23, 1302-1341	37.1	11
166	. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 10, 1934-1938	5.9	7
165	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 8442-8452	11.9	33
164	Dynamic Cooperative Spectrum Sharing in a Multi-beam LEO-GEO Co-existing Satellite System. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 1-1	9.6	3
163	Non-Linear Base-Station Processing Within a 3GPP Compliant Framework. <i>IEEE Access</i> , <b>2021</b> , 9, 72066-72077	3.7	3
162	FIDS: A Federated Intrusion Detection System for 5G Smart Metering Network <b>2021</b> ,		1
161	Mixed-Numerology Signals Transmission and Interference Cancellation for Radio Access Network Slicing. <i>IEEE Transactions on Wireless Communications</i> , <b>2020</b> , 19, 5132-5147	9.6	3

160	Survey of Radio Resource Management in 5G Heterogeneous Networks. <i>IEEE Access</i> , <b>2020</b> , 8, 131202-131223	12.3	22
159	Performance Analysis of Ultra-Dense Networks With Regularly Deployed Base Stations. <i>IEEE Transactions on Wireless Communications</i> , <b>2020</b> , 19, 3530-3545	9.6	3
158	The Power of Mobility Prediction in Reducing Idle-State Signaling in Cellular Systems: A Revisit to 4G Mobility Management. <i>IEEE Transactions on Wireless Communications</i> , <b>2020</b> , 19, 3346-3360	9.6	7
157	. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 8192-8207	10.7	13
156	Optimal Energy-Efficient Source and Relay Precoder Design for Two-Way MIMO-AF Relay Systems. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2020</b> , 4, 759-773	4	1
155	Polarization Modulation Design for Reduced RF Chain Wireless. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 3890-3907	6.9	6
154	<b>2020</b> ,		2
153	Cooperative Spectrum Sharing in a Co-existing LEO-GEO Satellite System <b>2020</b> ,		1
152	A Tight Upper Bound for Enhanced DCT-OFDM With Index Modulation. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 16213-16217	6.8	3
151	. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 2426-2437	6.9	4
150	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1546-1550	3.8	23
149	Developing the First mmWave Fully-Connected Hybrid Beamformer With a Large Antenna Array. <i>IEEE Access</i> , <b>2020</b> , 8, 141282-141291	3.5	10
148	Evaluating Non-Linear Beamforming in a 3GPP-Compliant Framework Using the SWORD Platform <b>2020</b> ,		1
147	Machine-Learning-Based Approach for Diffraction Loss Variation Prediction by the Human Body. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 2301-2305	3.8	5
146	Cell Fault Management Using Machine Learning Techniques. <i>IEEE Access</i> , <b>2019</b> , 7, 124514-124539	3.5	13
145	Game theoretic efficient radio resource allocation in 5G resilient networks: A data driven approach. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2019</b> , 30, e3582	1.9	1
144	. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2019</b> , 5, 281-294	6.6	2
143	Enhanced Matching and Vialess Decoupling of Nearby Patch Antennas for MIMO System. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 1066-1070	3.8	21

142	Beamforming Design in SWIPT-Based Joint Multicast-Unicast mmWave Massive MIMO With Lens-Antenna Array. <i>IEEE Wireless Communications Letters</i> , <b>2019</b> , 8, 1124-1128	5.9	11
141	Opportunistic Spectrum Sharing for D2D-Based URLLC. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 8995-9006	6.8	12
140	Damysus: A Practical IEEE 802.11ax BSS Color Aware Rate Control Algorithm. <i>International Journal of Wireless Information Networks</i> , <b>2019</b> , 26, 285-307	1.9	1
139	A New Dimension to Spectrum Management in IoT Empowered 5G Networks. <i>IEEE Network</i> , <b>2019</b> , 33, 186-193	11.4	9
138	. <i>IEEE Access</i> , <b>2019</b> , 7, 92693-92708	3.5	12
137	Context-Aware Service Chaining Framework for Over-the-Top Applications in 5G Networks <b>2019</b> ,		2
136	SWORD: Towards a Soft and Open Radio Design for Rapid Development, Profiling, Validation and Testing. <i>IEEE Access</i> , <b>2019</b> , 7, 186017-186040	3.5	4
135	Preamble Barring: A Novel Random Access Scheme for Machine Type Communications with Unpredictable Traffic Bursts <b>2019</b> ,		3
134	. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2019</b> , 30, 2309-2325	3.7	9
133	Wireless Backhaul: Performance Modeling and Impact on User Association for 5G. <i>IEEE Transactions on Wireless Communications</i> , <b>2018</b> , 17, 3095-3110	9.6	28
132	. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2018</b> , 2, 517-532	4	30
131	Memory-Full Context-Aware Predictive Mobility Management in Dual Connectivity 5G Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 9655-9666	3.5	13
130	Achieving Robust Mobile Web Content Delivery Performance Based on Multiple Coordinated QUIC Connections. <i>IEEE Access</i> , <b>2018</b> , 6, 11313-11328	3.5	10
129	. <i>IEEE Access</i> , <b>2018</b> , 6, 13015-13032	3.5	13
128	Indoor wideband directional millimeter wave channel measurements and analysis at 26 GHz, 32 GHz, and 39 GHz. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2018</b> , 29, e3311	1.9	16
127	A Novel Indexing Method for Scalable IoT Source Lookup. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 2037-2054	4	5
126	Energy-Aware Radio Resource Management in D2D-Enabled Multi-Tier HetNets. <i>IEEE Access</i> , <b>2018</b> , 6, 16610-16622	3.5	25
125	Intracell Interference Characterization and Cluster Interference for D2D Communication. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 8536-8548	6.8	3

124	A Real-Complex Hybrid Modulation Approach for Scaling Up Multiuser MIMO Detection. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 3916-3929	6.9	1
123	Broadband mm-Wave Microstrip Array Antenna With Improved Radiation Characteristics for Different 5G Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 4641-4647	4.9	86
122	Optimal Energy-Efficient Source and Relay Precoder Design for Cooperative MIMO-AF Systems. <i>IEEE Transactions on Signal Processing</i> , <b>2018</b> , 66, 573-588	4.8	13
121	Priority-Based Flow Control for Dynamic and Reliable Flow Management in SDN. <i>IEEE Transactions on Network and Service Management</i> , <b>2018</b> , 15, 1720-1732	4.8	18
120	Performance Evaluation of a Virtualized 5G Core Network in Indoor Environments <b>2018</b> ,		2
119	Dynamic Priority Based Reliable Real-Time Communications for Infrastructure-Less Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 67338-67359	3.5	5
118	Capacity and costs for 5G networks in dense urban areas. <i>IET Communications</i> , <b>2018</b> , 12, 2502-2510	1.3	22
117	. <i>IEEE Access</i> , <b>2018</b> , 6, 56598-56636	3.5	32
116	. <i>IEEE Vehicular Technology Magazine</i> , <b>2018</b> , 13, 51-59	9.9	15
115	Computationally Intelligent Techniques for Resource Management in MmWave Small Cell Networks. <i>IEEE Wireless Communications</i> , <b>2018</b> , 25, 32-39	13.4	34
114	Full-Duplex Wireless-Powered Relay in Two Way Cooperative Networks. <i>IEEE Access</i> , <b>2017</b> , 5, 1548-1558	3.5	50
113	Predictive and Core-Network Efficient RRC Signalling for Active State Handover in RANs With Control/Data Separation. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 1423-1436	9.6	25
112	Subband Filtered Multi-Carrier Systems for Multi-Service Wireless Communications. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 1893-1907	9.6	72
111	Modular Approach for Modelling the Hybrid Multi-Hop Backhaul Performance. <i>IEEE Wireless Communications Letters</i> , <b>2017</b> , 6, 262-265	5.9	3
110	Massive MIMO Performance With Imperfect Channel Reciprocity and Channel Estimation Error. <i>IEEE Transactions on Communications</i> , <b>2017</b> , 65, 3734-3749	6.9	81
109	A Novel Equivalent Definition of Modified Bessel Functions for Performance Analysis of Multi-Hop Wireless Communication Systems. <i>IEEE Access</i> , <b>2017</b> , 5, 7594-7605	3.5	17
108	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 9328-9337	6.8	7
107	Channel Equalization and Interference Analysis for Uplink Narrowband Internet of Things (NB-IoT). <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 2206-2209	3.8	36

106	2017, 55, 152-159		52
105	Virtualising and orchestrating a 5G evolved packet core network 2017,		4
104	Caching Transient Data in Internet Content Routers. <i>IEEE/ACM Transactions on Networking</i> , 2017, 25, 1048-1061	3.8	40
103	Success Probability of Multiple-Preamble-Based Single-Attempt Random Access to Mobile Networks. <i>IEEE Communications Letters</i> , 2017, 21, 1755-1758	3.8	13
102	An evaluation of routing in vehicular networks using analytic hierarchy process. <i>Wireless Communications and Mobile Computing</i> , 2016, 16, 895-911	1.9	6
101	. <i>IEEE Communications Surveys and Tutorials</i> , 2016, 18, 446-465	37.1	81
100	. <i>IEEE Transactions on Communications</i> , 2016, 64, 3655-3668	6.9	6
99	Enabling technologies for beyond TD-LTE-Advanced and 5G wireless communications. <i>China Communications</i> , 2016, 13, iv-v	3	3
98	Enabling Massive IoT in 5G and Beyond Systems: PHY Radio Frame Design Considerations. <i>IEEE Access</i> , 2016, 4, 3322-3339	3.5	123
97	A Cognitive Self-Organising Clustering Algorithm for Urban Scenarios. <i>Wireless Personal Communications</i> , 2016, 90, 1763-1798	1.9	1
96	Interference Mitigation in D2D Communication Underlying LTE-A Network. <i>IEEE Access</i> , 2016, 4, 7967-7987	3.9	40
95	Fronthaul data compression for Uplink CoMP in cloud radio access network (C-RAN). <i>Transactions on Emerging Telecommunications Technologies</i> , 2016, 27, 1409-1425	1.9	2
94	Spectral and energy efficient cognitive radio-aided heterogeneous cellular network with uplink power adaptation. <i>Wireless Communications and Mobile Computing</i> , 2016, 16, 2144-2162	1.9	2
93	Dual Antenna Selection in Self-Backhauling Multiple Small Cell Networks. <i>IEEE Communications Letters</i> , 2016, 20, 1611-1614	3.8	11
92	A Distributed SON-Based User-Centric Backhaul Provisioning Scheme. <i>IEEE Access</i> , 2016, 4, 2314-2330	3.5	30
91	Low-Complexity MU-MIMO Nonlinear Precoding Using Degree-2 Sparse Vector Perturbation. <i>IEEE Journal on Selected Areas in Communications</i> , 2016, 34, 497-509	14.2	14
90	Design of Phased Arrays of Series-Fed Patch Antennas With Reduced Number of the Controllers for 28-GHz mm-Wave Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016, 15, 1305-1308	3.8	64
89	How Reliable is MDT-Based Autonomous Coverage Estimation in the Presence of User and BS Positioning Error?. <i>IEEE Wireless Communications Letters</i> , 2016, 5, 196-199	5.9	6

88	HARQ in Relay-Assisted Transmission for Machine Type Communications. <i>IEEE Wireless Communications Letters</i> , <b>2016</b> , 5, 172-175	5.9	6
87	. <i>IEEE Communications Surveys and Tutorials</i> , <b>2016</b> , 18, 419-445	37.1	82
86	Energy Efficient Inter-Frequency Small Cell Discovery in Heterogeneous Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 7122-7135	6.8	19
85	Multi-device selection scheduling in non-identically distributed fading channels. <i>IET Communications</i> , <b>2016</b> , 10, 1758-1768	1.3	1
84	. <i>IEEE Access</i> , <b>2016</b> , 4, 1925-1939	3.5	6
83	A survey on clustering techniques for cooperative wireless networks. <i>Ad Hoc Networks</i> , <b>2016</b> , 47, 53-81	4.8	53
82	5G Backhaul Challenges and Emerging Research Directions: A Survey. <i>IEEE Access</i> , <b>2016</b> , 4, 1743-1766	3.5	352
81	Joint TDD Backhaul and Access Optimization in Dense Small-Cell Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 5288-5299	6.8	44
80	The Cognitive Interference Channel With a Causal Relay in Very Strong Interference. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 593-596	3.8	
79	Coverage Gain and Device-to-Device User Density: Stochastic Geometry Modeling and Analysis. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 1742-1745	3.8	26
78	. <i>IEEE Access</i> , <b>2015</b> , 3, 864-874	3.5	26
77	Towards a position and orientation independent approach for pervasive observation of user direction with mobile phones. <i>Pervasive and Mobile Computing</i> , <b>2015</b> , 17, 23-42	3.5	6
76	Lightweight security against combined IE and SSDF attacks in cooperative spectrum sensing for cognitive radio networks. <i>Security and Communication Networks</i> , <b>2015</b> , 8, 3978-3994	1.9	9
75	Signalling method for mobile communications network. <i>Journal of Engineering</i> , <b>2015</b> , 2015, 59-67	0.7	
74	Accurate and Efficient Algorithms for Cognitive Radio Modeling Applications Under the i.n.i.d. Paradigm. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 1750-1765	6.8	9
73	Hybrid-ARQ-Aided Short Fountain Codes Designed for Block-Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 5701-5712	6.8	5
72	Self Organization of Tilts in Relay Enhanced Networks: A Distributed Solution. <i>IEEE Transactions on Wireless Communications</i> , <b>2014</b> , 13, 764-779	9.6	16
71	On the Cognitive Interference Channel With Causal Unidirectional Destination Cooperation. <i>IEEE Communications Letters</i> , <b>2014</b> , 18, 1123-1126	3.8	



70	Reduced-Complexity Coordinated Beamforming for Multicell Downlink MaxMin SINR Problem. <i>IEEE Wireless Communications Letters</i> , <b>2014</b> , 3, 353-356	5.9	3
69	Graph-Based Multicell Scheduling in OFDMA-Based Small Cell Networks. <i>IEEE Access</i> , <b>2014</b> , 2, 897-908	3.5	15
68	. <i>IEEE Transactions on Wireless Communications</i> , <b>2014</b> , 13, 6580-6592	9.6	10
67	Frequency offset estimation based on PRACH preambles in LTE <b>2014</b> ,		5
66	Improved High Resolution TOA Estimation for OFDM-WLAN Based Indoor Ranging. <i>IEEE Wireless Communications Letters</i> , <b>2013</b> , 2, 163-166	5.9	26
65	A Distributed Method of Inter-Cell Interference Coordination (ICIC) Based on Dual Decomposition for Interference-Limited Cellular Networks. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 1144-1147	3.8	6
64	Dynamic Clustering Framework for Multi-Cell Scheduling in Dense Small Cell Networks. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 1802-1805	3.8	41
63	Transmission Range Assignment for Backbone Connectivity in Clustered Wireless Networks. <i>IEEE Wireless Communications Letters</i> , <b>2013</b> , 2, 46-49	5.9	3
62	A Fast Calibration Method for Triaxial Magnetometers. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2013</b> , 62, 2929-2937	5.2	31
61	Energy-efficient resource allocation for orthogonal multi-antenna multi-carrier channel <b>2013</b> ,		1
60	Network Coding Theory: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , <b>2013</b> , 15, 1950-1978	37.1	77
59	On Interference Avoidance Through Inter-Cell Interference Coordination (ICIC) Based on OFDMA Mobile Systems. <i>IEEE Communications Surveys and Tutorials</i> , <b>2013</b> , 15, 973-995	37.1	96
58	On the Evolution of Multi-Cell Scheduling in 3GPP LTE / LTE-A. <i>IEEE Communications Surveys and Tutorials</i> , <b>2013</b> , 15, 701-717	37.1	69
57	. <i>IEEE Transactions on Wireless Communications</i> , <b>2013</b> , 12, 2797-2805	9.6	10
56	On the Trade-Off Between Security and Energy Efficiency in Cooperative Spectrum Sensing for Cognitive Radio. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 1564-1567	3.8	35
55	On the Relation Between Energy Efficiency and Spectral Efficiency of Multiple-Antenna Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 3463-3469	6.8	9
54	. <i>IEEE Transactions on Communications</i> , <b>2012</b> , 60, 1345-1356	6.9	93
53	Energy Efficiency Contours for Broadcast Channels Using Realistic Power Models. <i>IEEE Transactions on Wireless Communications</i> , <b>2012</b> , 11, 4017-4025	9.6	1

52	A Very Tight Approximation of the SISO Energy Efficiency-Spectral Efficiency Trade-Off. <i>IEEE Communications Letters</i> , <b>2012</b> , 16, 850-853	3.8	2
51	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2012</b> , 13, 873-886	6.1	161
50	Posterior Cramer-Rao Bound for Inertial Sensors Enhanced Mobile Positioning Under The Random Walk Motion Model. <i>IEEE Wireless Communications Letters</i> , <b>2012</b> , 1, 629-632	5.9	4
49	Codebook Based Single-User MIMO System Design with Widely Linear Processing. <i>IEEE Transactions on Communications</i> , <b>2012</b> , 60, 1-7	6.9	6
48	Energy-Efficiency Based Resource Allocation for the Orthogonal Multi-User Channel <b>2012</b> ,		9
47	Seamless Handover for LTE Macro-Femto Networks Based on Reactive Data Bicasting. <i>IEEE Communications Letters</i> , <b>2012</b> , 16, 1788-1791	3.8	19
46	Cluster-Based Differential Energy Detection for Spectrum Sensing in Multi-Carrier Systems. <i>IEEE Transactions on Signal Processing</i> , <b>2012</b> , 60, 6450-6464	4.8	10
45	Energy-Efficient Power Allocation for Point-to-Point MIMO Systems over the Rayleigh Fading Channel. <i>IEEE Wireless Communications Letters</i> , <b>2012</b> , 1, 304-307	5.9	12
44	ACM Springer Mobile Networks and Applications (MONET) Journal Special Issue on Future Internet for Green and Pervasive Media. <i>Mobile Networks and Applications</i> , <b>2012</b> , 17, 255-257	2.9	
43	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2012</b> , 61, 3125-3138	6.8	61
42	. <i>IEEE Transactions on Wireless Communications</i> , <b>2011</b> , 10, 3973-3983	9.6	191
41	Adaptive Modulation for Opportunistic Decode-and-Forward Relaying. <i>IEEE Transactions on Wireless Communications</i> , <b>2011</b> , 10, 2017-2022	9.6	20
40	An Accurate Closed-Form Approximation of the Distributed MIMO Outage Probability. <i>IEEE Transactions on Wireless Communications</i> , <b>2011</b> , 10, 5-11	9.6	27
39	H2-ARQ-Relaying: Spectrum and Energy Efficiency Perspectives. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2011</b> , 29, 1547-1558	14.2	15
38	Energy Efficiency Contours for Single-Carrier Downlink Channels. <i>IEEE Communications Letters</i> , <b>2011</b> , 15, 1307-1309	3.8	6
37	Relay Station Access Link Spectral Efficiency Optimization Through SO of Macro BS Tilts. <i>IEEE Communications Letters</i> , <b>2011</b> , 15, 1326-1328	3.8	10
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