Regius Rahim Tafazolli

List of Publications by Citations

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	Novel Low-Density Signature for Synchronous CDMA Systems Over AWGN Channel. *IEEE Transactions on Signal Processing*, **2008**, 56, 1616-1626	4.8	377
194	5G Backhaul Challenges and Emerging Research Directions: A Survey. *IEEE Access*, **2016**, 4, 1743-1766	3.5	352
193	. *IEEE Transactions on Wireless Communications*, **2011**, 10, 3973-3983	9.6	191
192	. *IEEE Transactions on Intelligent Transportation Systems*, **2012**, 13, 873-886	6.1	161
191	Enabling Massive IoT in 5G and Beyond Systems: PHY Radio Frame Design Considerations. *IEEE Access*, **2016**, 4, 3322-3339	3.5	123
190	On Interference Avoidance Through Inter-Cell Interference Coordination (ICIC) Based on OFDMA Mobile Systems. *IEEE Communications Surveys and Tutorials*, **2013**, 15, 973-995	37.1	96
189	. *IEEE Transactions on Communications*, **2012**, 60, 1345-1356	6.9	93
188	Broadband mm-Wave Microstrip Array Antenna With Improved Radiation Characteristics for Different 5G Applications. *IEEE Transactions on Antennas and Propagation*, **2018**, 66, 4641-4647	4.9	86
187	. *IEEE Communications Surveys and Tutorials*, **2016**, 18, 419-445	37.1	82
186	. *IEEE Communications Surveys and Tutorials*, **2016**, 18, 446-465	37.1	81
185	Massive MIMO Performance With Imperfect Channel Reciprocity and Channel Estimation Error. *IEEE Transactions on Communications*, **2017**, 65, 3734-3749	6.9	81
184	Network Coding Theory: A Survey. *IEEE Communications Surveys and Tutorials*, **2013**, 15, 1950-1978	37.1	77
183	Subband Filtered Multi-Carrier Systems for Multi-Service Wireless Communications. *IEEE Transactions on Wireless Communications*, **2017**, 16, 1893-1907	9.6	72
182	On the Evolution of Multi-Cell Scheduling in 3GPP LTE / LTE-A. *IEEE Communications Surveys and Tutorials*, **2013**, 15, 701-717	37.1	69
181	Design of Phased Arrays of Series-Fed Patch Antennas With Reduced Number of the Controllers for 28-GHz mm-Wave Applications. *IEEE Antennas and Wireless Propagation Letters*, **2016**, 15, 1305-1308	3.8	64
180	. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 3125-3138	6.8	61
179	Admission control schemes for 802.11-based multi-hop mobile ad hoc networks: a survey. *IEEE Communications Surveys and Tutorials*, **2009**, 11, 78-108	37.1	53

| 178 | A survey on clustering techniques for cooperative wireless networks. *Ad Hoc Networks*, **2016**, 47, 53-81 | 4.8 | 53 |

| 177 | **2017**, 55, 152-159 | | 52 |

| 176 | Full-Duplex Wireless-Powered Relay in Two Way Cooperative Networks. *IEEE Access*, **2017**, 5, 1548-1558 | 3.5 | 50 |

| 175 | High Altitude Platform Station (HAPS): A Review of New Infrastructure Development for Future Wireless Communications. *Wireless Personal Communications*, **2007**, 42, 387-404 | 1.9 | 50 |

| 174 | Joint TDD Backhaul and Access Optimization in Dense Small-Cell Networks. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 5288-5299 | 6.8 | 44 |

| 173 | Power allocation for bidirectional AF relaying over rayleigh fading channels. *IEEE Communications Letters*, **2010**, 14, 145-147 | 3.8 | 42 |

| 172 | HDMA: Hybrid D2D Message Authentication Scheme for 5G-Enabled VANETs. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 5071-5080 | 6.1 | 42 |

| 171 | Dynamic Clustering Framework for Multi-Cell Scheduling in Dense Small Cell Networks. *IEEE Communications Letters*, **2013**, 17, 1802-1805 | 3.8 | 41 |

| 170 | Interference Mitigation in D2D Communication Underlaying LTE-A Network. *IEEE Access*, **2016**, 4, 7967-7987 | 3.5 | 40 |

| 169 | Caching Transient Data in Internet Content Routers. *IEEE/ACM Transactions on Networking*, **2017**, 25, 1048-1061 | 3.8 | 40 |

| 168 | CLWPR A novel cross-layer optimized position based routing protocol for VANETs **2011**, | | 38 |

| 167 | Bit and Power Loading for OFDM-Based Three-Node Relaying Communications. *IEEE Transactions on Signal Processing*, **2008**, 56, 3236-3247 | 4.8 | 38 |

| 166 | Channel Equalization and Interference Analysis for Uplink Narrowband Internet of Things (NB-IoT). *IEEE Communications Letters*, **2017**, 21, 2206-2209 | 3.8 | 36 |

| 165 | On the Trade-Off Between Security and Energy Efficiency in Cooperative Spectrum Sensing for Cognitive Radio. *IEEE Communications Letters*, **2013**, 17, 1564-1567 | 3.8 | 35 |

| 164 | Computationally Intelligent Techniques for Resource Management in MmWave Small Cell Networks. *IEEE Wireless Communications*, **2018**, 25, 32-39 | 13.4 | 34 |

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| 162 | A tight closed-form approximation of the log-normal fading channel capacity. *IEEE Transactions on Wireless Communications*, **2009**, 8, 2842-2847 | 9.6 | 32 |

| 161 | . *IEEE Access*, **2018**, 6, 56598-56636 | 3.5 | 32 |

160	A Fast Calibration Method for Triaxial Magnetometers. *IEEE Transactions on Instrumentation and Measurement*, **2013**, 62, 2929-2937	5.2	31
159	. *IEEE Transactions on Green Communications and Networking*, **2018**, 2, 517-532	4	30
158	A Distributed SON-Based User-Centric Backhaul Provisioning Scheme. *IEEE Access*, **2016**, 4, 2314-2330	3.5	30
157	Wireless Backhaul: Performance Modeling and Impact on User Association for 5G. *IEEE Transactions on Wireless Communications*, **2018**, 17, 3095-3110	9.6	28
156	An Accurate Closed-Form Approximation of the Distributed MIMO Outage Probability. *IEEE Transactions on Wireless Communications*, **2011**, 10, 5-11	9.6	27
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153	Improved High Resolution TOA Estimation for OFDM-WLAN Based Indoor Ranging. *IEEE Wireless Communications Letters*, **2013**, 2, 163-166	5.9	26
152	Predictive and Core-Network Efficient RRC Signalling for Active State Handover in RANs With Control/Data Separation. *IEEE Transactions on Wireless Communications*, **2017**, 16, 1423-1436	9.6	25
151	Energy-Aware Radio Resource Management in D2D-Enabled Multi-Tier HetNets. *IEEE Access*, **2018**, 6, 16610-16622	3.5	25
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149	. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 1546-1550	3.8	23
148	Survey of Radio Resource Management in 5G Heterogeneous Networks. *IEEE Access*, **2020**, 8, 131202-131223	3.5	22
147	Throughput Analysis of the IEEE 802.11p Enhanced Distributed Channel Access Function in Vehicular Environment **2010**,		22
146	Capacity and costs for 5G networks in dense urban areas. *IET Communications*, **2018**, 12, 2502-2510	1.3	22
145	Enhanced Matching and Vialess Decoupling of Nearby Patch Antennas for MIMO System. *IEEE Antennas and Wireless Propagation Letters*, **2019**, 18, 1066-1070	3.8	21
144	Adaptive Modulation for Opportunistic Decode-and-Forward Relaying. *IEEE Transactions on Wireless Communications*, **2011**, 10, 2017-2022	9.6	20
143	Channel Estimation for OFDMA Uplink: a Hybrid of Linear and BEM Interpolation Approach. *IEEE Transactions on Signal Processing*, **2007**, 55, 1568-1573	4.8	20

142	Energy Efficient Inter-Frequency Small Cell Discovery in Heterogeneous Networks. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 7122-7135	6.8	19
141	Seamless Handover for LTE Macro-Femto Networks Based on Reactive Data Bicasting. *IEEE Communications Letters*, **2012**, 16, 1788-1791	3.8	19
140	Estimation of Carrier Frequency Offset for Multicarrier CDMA Uplink. *IEEE Transactions on Signal Processing*, **2007**, 55, 2617-2627	4.8	19
139	Priority-Based Flow Control for Dynamic and Reliable Flow Management in SDN. *IEEE Transactions on Network and Service Management*, **2018**, 15, 1720-1732	4.8	18
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134	Graph-Based Multicell Scheduling in OFDMA-Based Small Cell Networks. *IEEE Access*, **2014**, 2, 897-908	3.5	15
133	H2-ARQ-Relaying: Spectrum and Energy Efficiency Perspectives. *IEEE Journal on Selected Areas in Communications*, **2011**, 29, 1547-1558	14.2	15
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