Halim Yanikomeroglu

List of Publications by Year in Descending Order

392 papers	10,011 citations	43 h-index	92 g-index
469 ext. papers	12,853 ext. citations	6.3 avg, IF	7.08 L-index

#	Paper	IF	Citations
392	Cooperation in Space: HAPS-Aided Optical Inter-Satellite Connectivity with Opportunistic Scheduling. *IEEE Communications Letters*, **2022**, 1-1	3.8	4
391	Optimal Power Allocation in Downlink Multicarrier NOMA Systems: Theory and Fast Algorithms. *IEEE Journal on Selected Areas in Communications*, **2022**, 1-1	14.2	2
390	Low-Density Spreading Design Based on an Algebraic Scheme for NOMA Systems. *IEEE Wireless Communications Letters*, **2022**, 1-1	5.9	3
389	The Secrecy Comparison of RF and FSO Eavesdropping Attacks in Mixed RF-FSO Relay Networks. *IEEE Photonics Journal*, **2022**, 14, 1-8	1.8	2
388	Authentication and Handover Challenges and Methods for Drone Swarms. *IEEE Journal of Radio Frequency Identification*, **2022**, 1-1	2.4	1
387	LEO Satellites in 5G and Beyond Networks: A Review From a Standardization Perspective. *IEEE Access*, **2022**, 10, 35040-35060	3.5	3
386	A Deep Learning-Based Approach for Cell Outage Compensation in NOMA Networks. *IEEE Open Journal of Vehicular Technology*, **2022**, 1-1	5.3	2
385	Energy Efficiency Maximization of Full-Duplex NOMA Systems with Improper Gaussian Signaling under Imperfect Self-Interference Cancellation. *IEEE Communications Letters*, **2022**, 1-1	3.8	
384	Enhancing UAV-Based Public Safety Networks with Reconfigurable Intelligent Surfaces. *Unmanned System Technologies*, **2022**, 145-167	0.4	1
383	Caching and Computation Offloading in High Altitude Platform Station (HAPS) Assisted Intelligent Transportation Systems. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	3
382	Power-Time Channel Diversity (PTCD): A Novel Resource-Efficient Diversity Technique for 6G and Beyond. *IEEE Wireless Communications Letters*, **2022**, 1-1	5.9	
381	Low-Complexity Decoder for Overloaded Uniquely Decodable Synchronous CDMA. *IEEE Access*, **2022**, 10, 46255-46275	3.5	1
380	Reconfigurable Intelligent Surfaces in Action: For Nonterrestrial Networks: Employing Reconfigurable Intelligent Surfaces. *IEEE Vehicular Technology Magazine*, **2022**, 2-10	9.9	0
379	Time-Switching and Phase-Shifting Control for RIS-Assisted SWIPT Communications. *IEEE Wireless Communications Letters*, **2022**, 1-1	5.9	2
378	QoS-Aware Hybrid Beamforming With Minimal Power in mmWave Massive MIMO Systems. *IEEE Access*, **2021**, 9, 164668-164680	3.5	
377	Energy-Efficient Coverage Enhancement of Indoor THz-MISO Systems: An FD-NOMA Approach **2021**,		1
376	Group Authentication for Drone Swarms **2021**,		1

375	Phasing Parameter Analysis for Satellite Collision Avoidance in Starlink and Kuiper Constellations **2021**,		2
374	Low-Complexity Resource Allocation for Dense Cellular Vehicle-to-Everything (C-V2X) Communications. *IEEE Open Journal of the Communications Society*, **2021**, 2, 2695-2713	6.7	1
373	UAV-Based Crowd Surveillance in Post COVID-19 Era. *IEEE Access*, **2021**, 9, 162276-162290	3.5	1
372	A Novel Low Complexity Faster-than-Nyquist (FTN) Signaling Detector for Ultra High-Order QAM. *IEEE Open Journal of the Communications Society*, **2021**, 2, 2566-2580	6.7	4
371	Moving Aerial Anchors Assisted Network Localization. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	
370	A Weather-Dependent Hybrid RF/FSO Satellite Communication for Improved Power Efficiency. *IEEE Wireless Communications Letters*, **2021**, 1-1	5.9	4
369	Reinforcement Learning for Energy-Efficient Trajectory Design of UAVs. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	4
368	Localization Threats in Next-Generation Wireless Networks. *IEEE Communications Magazine*, **2021**, 59, 51-57	9.1	0
367	Coded Faster-than-Nyquist Signaling for Short Packet Communications **2021**,		1
366	Rate-Splitting and NOMA-Enabled Uplink User Cooperation **2021**,		5
365	. *IEEE Transactions on Wireless Communications*, **2021**, 20, 1501-1516	9.6	11
364	Placement Optimization of Multiple UAV Base Stations **2021**,		1
363	Faded-Experience Trust Region Policy Optimization for Model-Free Power Allocation in Interference Channel. *IEEE Wireless Communications Letters*, **2021**, 10, 659-663	5.9	
362	A Novel Centralized Cloud-Based Mobile Data Rollover Management. *IEEE Wireless Communications* , **2021**, 28, 166-171	13.4	
361	DeepMuD: Multi-User Detection for Uplink Grant-Free NOMA IoT Networks via Deep Learning. *IEEE Wireless Communications Letters*, **2021**, 10, 1133-1137	5.9	11
360	. *IEEE Transactions on Wireless Communications*, **2021**, 20, 2838-2849	9.6	4
359	NOMA Spectral Efficiency Maximization with Improper Gaussian Signaling and SIC Imperfection **2021**,		1
358	Composite Fading Model for Aerial MIMO FSO Links in the Presence of Atmospheric Turbulence and Pointing Errors. *IEEE Wireless Communications Letters*, **2021**, 10, 1295-1299	5.9	0

357	Future Ultra-Dense LEO Satellite Networks: A Cell-Free Massive MIMO Approach **2021**,		6
356	Robust Resource Allocation for Cooperative MISO-NOMA-Based Heterogeneous Networks. *IEEE Transactions on Communications*, **2021**, 69, 3864-3878	6.9	6
355	Intracell Frequency Band Exiling for Green Wireless Networks: Implementation, Performance Metrics, and Use Cases. *IEEE Vehicular Technology Magazine*, **2021**, 16, 31-39	9.9	0
354	Channel Estimation for Full-Duplex RIS-assisted HAPS Backhauling with Graph Attention Networks **2021**,		4
353	Data-Oriented View for Convolutional Coding With Adaptive Irregular Constellations. *IEEE Communications Letters*, **2021**, 25, 1771-1775	3.8	
352	Laser Intersatellite Links in a Starlink Constellation: A Classification and Analysis. *IEEE Vehicular Technology Magazine*, **2021**, 16, 48-56	9.9	16
351	New Trends in Stochastic Geometry for Wireless Networks: A Tutorial and Survey. *Proceedings of the IEEE*, **2021**, 109, 1200-1252	14.3	13
350	An Application-Driven Nonorthogonal-Multiple-Access-Enabled Computation Offloading Scheme. *IEEE Internet of Things Journal*, **2021**, 8, 1453-1466	10.7	3
349	Learning Power Control From a Fixed Batch of Data. *IEEE Wireless Communications Letters*, **2021**, 10, 512-516	5.9	0
348	Hypercube-Based SNR-Adaptive Multidimensional Constellation Design for Uplink SCMA Systems. *IEEE Transactions on Communications*, **2021**, 69, 121-132	6.9	1
347	. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 1-1	6.6	1
346	Energy-Efficient RIS-Assisted Satellites for IoT Networks. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	7
345	A Vision and Framework for the High Altitude Platform Station (HAPS) Networks of the Future. *IEEE Communications Surveys and Tutorials*, **2021**, 23, 729-779	37.1	53
344	High Altitude Platform Station Based Super Macro Base Station Constellations. *IEEE Communications Magazine*, **2021**, 59, 103-109	9.1	27
343	A Hybrid Companding and Clipping Scheme for PAPR Reduction in OFDM Systems. *IEEE Access*, **2021**, 9, 61565-61576	3.5	5
342	Offline and Online UAV-enabled Data Collection in Time-constrained IoT Networks. *IEEE Transactions on Green Communications and Networking*, **2021**, 1-1	4	6
341	Link Budget Analysis for Reconfigurable Smart Surfaces in Aerial Platforms. *IEEE Open Journal of the Communications Society*, **2021**, 2, 1980-1995	6.7	5
340	Multi-user Joint Maximum-Likelihood Detection in Uplink NOMA-IoT Networks: Removing the Error Floor. *IEEE Wireless Communications Letters*, **2021**, 1-1	5.9	4

339	An Efficient 3D Positioning Approach to Minimize Required UAVs for IoT Network Coverage. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	3
338	A Lightweight Machine Learning Assisted Power Optimization for Minimum Error in NOMA-CRS over Nakagami-m channels. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	2
337	Aerial Platforms with Reconfigurable Smart Surfaces for 5G and Beyond. *IEEE Communications Magazine*, **2021**, 59, 96-102	9.1	25
336	Site Diversity in Downlink Optical Satellite Networks Through Ground Station Selection. *IEEE Access* , **2021**, 9, 31179-31190	3.5	12
335	Cancel-for-Any-Reason Insurance Recommendation Using Customer Transaction-Based Clustering. *IEEE Access*, **2021**, 9, 39363-39374	3.5	0
334	. *IEEE Access*, **2021**, 9, 61832-61852	3.5	6
333	NOMA Computation Over Multi-Access Channels for Multimodal Sensing. *IEEE Wireless Communications Letters*, **2021**, 1-1	5.9	
332	A Cognitive Radio Enabled RF/FSO Communication Model for Aerial Relay Networks: Possible Configurations and Opportunities. *IEEE Open Journal of Vehicular Technology*, **2021**, 2, 45-53	5.3	6
331	Dynamics of Laser-Charged UAVs: A Battery Perspective. *IEEE Internet of Things Journal*, **2021**, 8, 10573-10582	10.7	8
330	A Novel Low Complexity Faster-Than-Nyquist Signaling Detector Based on the Primal-Dual Predictor-Corrector Interior Point Method. *IEEE Communications Letters*, **2021**, 25, 2370-2374	3.8	2
329	Spectrum Sensing for Symmetric α-Stable Noise Model With Convolutional Neural Networks. *IEEE Transactions on Communications*, **2021**, 69, 5121-5135	6.9	3
328	. *IEEE Wireless Communications*, **2021**, 28, 96-105	13.4	7
327	Preserving User Privacy in Personalized Networks. *IEEE Networking Letters*, **2021**, 3, 124-128	2.8	
326	Securing the Inter-Spacecraft Links: Physical Layer Key Generation From Doppler Frequency Shift. *IEEE Journal of Radio Frequency Identification*, **2021**, 5, 232-243	2.4	2
325	Group Handover for Drone Base Stations. *IEEE Internet of Things Journal*, **2021**, 8, 13876-13887	10.7	3
324	Intelligent Reflecting Surfaces Assisted UAV Communications for IoT Networks: Performance Analysis. *IEEE Transactions on Green Communications and Networking*, **2021**, 5, 1029-1040	4	16
323	Bursty Impulsive Noise Mitigation in NOMA: A MAP Receiver-Based Approach. *IEEE Communications Letters*, **2021**, 25, 2790-2794	3.8	1
322	Communication, Computing, Caching, and Sensing for Next-Generation Aerial Delivery Networks: Using a High-Altitude Platform Station as an Enabling Technology. *IEEE Vehicular Technology Magazine*, **2021**, 16, 108-117	9.9	9

321	HARQ in Full-Duplex Relay-Assisted Transmissions for URLLC. *IEEE Open Journal of the Communications Society*, **2021**, 2, 409-422	6.7	3
320	An Analysis of a Stochastic ON-OFF Queueing Mobility Model for Software-Defined Vehicle Networks. *IEEE Transactions on Mobile Computing*, **2020**, 1-1	4.6	0
319	. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 8499-8513	6.8	2
318	Non-Orthogonal Multiple Access in the Presence of Additive Generalized Gaussian Noise. *IEEE Communications Letters*, **2020**, 24, 2137-2141	3.8	4
317	Big-Data-Driven and AI-Based Framework to Enable Personalization in Wireless Networks. *IEEE Communications Magazine*, **2020**, 58, 18-24	9.1	11
316	Polar Coded Faster-than-Nyquist (FTN) Signaling with Symbol-by-Symbol Detection **2020**,		3
315	A Flexible and Lightweight Group Authentication Scheme. *IEEE Internet of Things Journal*, **2020**, 7, 10277-10287	10	17
314	**2020**,		2
313	Beamforming for Maximal Coverage in mmWave Drones: A Reinforcement Learning Approach. *IEEE Communications Letters*, **2020**, 24, 1033-1037	3.8	10
312	Mobility-Assisted Over-the-Air Computation for Backscatter Sensor Networks. *IEEE Wireless Communications Letters*, **2020**, 9, 675-678	5.9	6
311	A Holistic Investigation of Terahertz Propagation and Channel Modeling toward Vertical Heterogeneous Networks. *IEEE Communications Magazine*, **2020**, 58, 14-20	9.1	14
310	On the Downlink Performance of RSMA-Based UAV Communications. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 16258-16263	6.8	11
309	Energy-Efficient Multi-UAV Data Collection for IoT Networks with Time Deadlines **2020**,		5
308	Optimal Altitude Selection of Aerial Base Stations to Maximize Coverage and Energy Harvesting Probabilities: A Stochastic Geometry Analysis. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 1096-1100	6.8	4
307	Low-Complexity Detection for Faster-than-Nyquist Signaling Based on Probabilistic Data Association. *IEEE Communications Letters*, **2020**, 24, 762-766	3.8	8
306	On the Error Probability of Cognitive RF-FSO Relay Networks Over Rayleigh/EW Fading Channels With Primary-Secondary Interference. *IEEE Photonics Journal*, **2020**, 12, 1-13	1.8	16
305	. *IEEE Transactions on Wireless Communications*, **2020**, 19, 7153-7168	9.6	18
304	Uplink Coverage and Handoff Rate with Realistic Power Control Models and Blind Cell Search **2020**,		1

303	Wireless Networks With Cache-Enabled and Backhaul-Limited Aerial Base Stations. *IEEE Transactions on Wireless Communications*, **2020**, 19, 7363-7376	9.6	8
302	A Survey of Rate-Optimal Power Domain NOMA With Enabling Technologies of Future Wireless Networks. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 2192-2235	37.1	100
301	Multiple Access in Aerial Networks: From Orthogonal and Non-Orthogonal to Rate-Splitting. *IEEE Open Journal of Vehicular Technology*, **2020**, 1, 372-392	5.3	19
300	Free Space Optics for Next-Generation Satellite Networks. *IEEE Consumer Electronics Magazine*, **2020**, 1-1	3.2	24
299	Personalized Resource Allocation in Wireless Networks: An AI-Enabled and Big Data-Driven Multi-Objective Optimization. *IEEE Access*, **2020**, 8, 144592-144609	3.5	5
298	A Prospective Look: Key Enabling Technologies, Applications and Open Research Topics in 6G Networks. *IEEE Access*, **2020**, 8, 174792-174820	3.5	76
297	Backhaul-Aware Optimization of UAV Base Station Location and Bandwidth Allocation for Profit Maximization. *IEEE Access*, **2020**, 8, 154573-154588	3.5	10
296	Hypercube-Based Multidimensional Constellation Design for Uplink SCMA Systems **2020**,		3
295	User Clustering in mmWave-NOMA Systems With User Decoding Capability Constraints for B5G Networks. *IEEE Access*, **2020**, 8, 209949-209963	3.5	2
294	. *IEEE Transactions on Mobile Computing*, **2020**, 19, 2445-2460	4.6	4
293	A Synthetic User Behavior Dataset Design for Data-Driven AI-Based Personalized Wireless Networks **2019**,		4
292	Optimal TAS for Cross-Interference Mitigation in Cognitive MIMO MRC Systems **2019**,		1
291	. *IEEE Access*, **2019**, 7, 116162-116171	3.5	2
290	. *IEEE Transactions on Communications*, **2019**, 67, 5940-5952	6.9	2
289	Coverage Performance of Aerial-Terrestrial HetNets **2019**,		7
288	Dataset Modeling for Data-Driven AI-Based Personalized Wireless Networks **2019**,		4
287	Sum-Rate Maximization of NOMA Systems Under Imperfect Successive Interference Cancellation. *IEEE Communications Letters*, **2019**, 23, 474-477	3.8	54
286	. *IEEE Vehicular Technology Magazine*, **2019**, 14, 80-88	9.9	5

285	Future of Ultra-Dense Networks Beyond 5G: Harnessing Heterogeneous Moving Cells. *IEEE Communications Magazine*, **2019**, 57, 86-92	9.1	67
284	. *IEEE Communications Surveys and Tutorials*, **2019**, 21, 2169-2194	37.1	40
283	. *IEEE Transactions on Communications*, **2019**, 67, 5377-5389	6.9	4
282	UAV Base Station Location Optimization for Next Generation Wireless Networks: Overview and Future Research Directions **2019**,		33
281	. *IEEE Transactions on Wireless Communications*, **2019**, 18, 2977-2988	9.6	37
280	A Novel SD-Based Detection for Generalized SCMA Constellations. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 10278-10282	6.8	9
279	How Do Non-Ideal UAV Antennas Affect Air-to-Ground Communications? **2019**,		4
278	. *IEEE Access*, **2019**, 7, 93511-93536	3.5	10
277	UAV Data Collection Over NOMA Backscatter Networks: UAV Altitude and Trajectory Optimization **2019**,		32
276	Cellular V2X Transmission for Connected and Autonomous Vehicles Standardization, Applications, and Enabling Technologies. *IEEE Consumer Electronics Magazine*, **2019**, 8, 91-98	3.2	18
275	. *IEEE Transactions on Wireless Communications*, **2019**, 18, 5643-5657	9.6	37
274	Is 5G Ready for Drones: A Look into Contemporary and Prospective Wireless Networks from a Standardization Perspective. *IEEE Wireless Communications*, **2019**, 26, 18-27	13.4	54
273	Fast Decoder for Overloaded Uniquely Decodable Synchronous Optical CDMA **2019**,		2
272	**2019**,		5
271	Q-Learning Based Aerial Base Station Placement for Fairness Enhancement in Mobile Networks **2019**,		1
270	Randomized Caching in Cooperative UAV-Enabled Fog-RAN **2019**,		5
269	**2019**,		11
268	Caching or No Caching in Dense HetNets? **2019**,		1

267	Resource Allocation-Based PAPR Analysis in Uplink SCMA-OFDM Systems. *IEEE Access*, **2019**, 7, 162803-162817	3.5	12
266	Low-Complexity Detection of M-ary PSK Faster-than-Nyquist Signaling **2019**,		3
265	Underlay Drone Cell for Temporary Events: Impact of Drone Height and Aerial Channel Environments. *IEEE Internet of Things Journal*, **2019**, 6, 1704-1718	10.7	30
264	. *IEEE Transactions on Communications*, **2019**, 67, 1770-1782	6.9	6
263	. *IEEE Wireless Communications Letters*, **2019**, 8, 669-672	5.9	3
262	. *IEEE Transactions on Wireless Communications*, **2019**, 18, 753-768	9.6	19
261	Signal Space Cognitive Cooperation. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 1953-1957	6.8	4
260	When IoT Keeps People in the Loop: A Path Towards a New Global Utility. *IEEE Communications Magazine*, **2019**, 57, 114-121	9.1	44
259	Joint Power Allocation and Constellation Design for Cognitive Radio Systems. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 4661-4665	6.8	4
258	Revisiting Error Analysis in Convolutionally Coded Systems: The Irregular Constellation Case. *IEEE Transactions on Communications*, **2018**, 66, 465-477	6.9	5
257	. *IEEE Transactions on Wireless Communications*, **2018**, 17, 2932-2945	9.6	8
256	FSO-Based Vertical Backhaul/Fronthaul Framework for 5G+ Wireless Networks **2018**, 56, 218-224		245
255	Admission Control of Wireless Virtual Networks in HetHetN ets. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 4565-4576	6.8	3
254	Environment-Aware Drone-Base-Station Placements in Modern Metropolitans. *IEEE Wireless Communications Letters*, **2018**, 7, 372-375	5.9	33
253	Conjoint Routing and Resource Allocation in OFDMA-Based D2D Wireless Networks. *IEEE Access*, **2018**, 6, 18868-18882	3.5	3
252	Chinese Remainder Theorem-Based Sequence Design for Resource Block Assignment in Relay-Assisted Internet-of-Things Communications. *IEEE Transactions on Wireless Communications*, **2018**, 17, 3401-3416	9.6	5
251	A Novel Self-Interference Cancellation Scheme for Channel-Unaware Differential Space-Time Two-Way Relay Networks. *IEEE Transactions on Wireless Communications*, **2018**, 17, 1226-1241	9.6	3
250	3-D Placement of an Unmanned Aerial Vehicle Base Station for Maximum Coverage of Users With Different QoS Requirements. *IEEE Wireless Communications Letters*, **2018**, 7, 38-41	5.9	270

249	Effects of Blockage in Deploying mmWave Drone Base Stations for 5G Networks and Beyond **2018**,		22
248	. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 8964-8968	6.8	4
247	Uplink Coverage Performance of an Underlay Drone Cell for Temporary Events **2018**,		13
246	Airborne Communication Networks: A Survey. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 1907-1926	14.2	143
245	Performance analysis of fisher-snedecor F composite fading channels **2018**,		6
244	Performance analysis of low latency multiple full-duplex selective decode and forward relays **2018**,		4
243	Fairness-oriented resource allocation for energy efficiency optimization in uplink OFDMA networks **2018**,		2
242	Efficient 3D aerial base station placement considering users mobility by reinforcement learning **2018**,		49
241	Strategic Densification With UAV-BSs in Cellular Networks. *IEEE Wireless Communications Letters*, **2018**, 7, 384-387	5.9	67
240	. *IT Professional*, **2018**, 20, 31-34	1.9	17
239	. *IEEE Transactions on Wireless Communications*, **2018**, 17, 6837-6852	9.6	49
238	Coverage and Rate Analysis for Unmanned Aerial Vehicle Base Stations with LoS/NLoS Propagation **2018**,		27
237	Guest Editorial Airborne Communication Networks. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 1903-1906	14.2	5
236	Backscatter communications with NOMA (Invited Paper) **2018**,		4
235	TAS Strategies for Incremental Cognitive MIMO Relaying: New Results and Accurate Comparison. *IEEE Access*, **2018**, 6, 23480-23499	3.5	3
234	. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 1171-1185	6.8	24
233	Antenna Selection in MIMO Cognitive AF Relay Networks With Mutual Interference and Limited Feedback. *IEEE Communications Letters*, **2017**, 21, 1111-1114	3.8	7
232	Automation of Millimeter Wave Network Planning for Outdoor Coverage in Dense Urban Areas Using Wall-Mounted Base Stations. *IEEE Wireless Communications Letters*, **2017**, 6, 206-209	5.9	12

231	Cell Switch-Off for Networks Deployed With Variable Spatial Regularity. *IEEE Wireless Communications Letters*, **2017**, 6, 234-237	5.9	12
230	A Very Low Complexity Successive Symbol-by-Symbol Sequence Estimator for Faster-Than-Nyquist Signaling. *IEEE Access*, **2017**, 5, 7414-7422	3.5	31
229	Optimization of Discrete Power and Resource Block Allocation for Achieving Maximum Energy Efficiency in OFDMA Networks. *IEEE Access*, **2017**, 5, 8648-8658	3.5	12
228	3-D Placement of an Unmanned Aerial Vehicle Base Station (UAV-BS) for Energy-Efficient Maximal Coverage. *IEEE Wireless Communications Letters*, **2017**, 6, 434-437	5.9	490
227	. *IEEE Wireless Communications Letters*, **2017**, 6, 354-357	5.9	11
226	Number-Theoretic Sequence Design for Uncoordinated Autonomous Multiple Access in Relay-Assisted Machine-Type Communications. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 9018-9034	6.8	2
225	Massive Machine Type Communication With Data Aggregation and Resource Scheduling. *IEEE Transactions on Communications*, **2017**, 65, 4012-4026	6.9	43
224	Multi-Resolution Multicasting Over the Grassmann and Stiefel Manifolds. *IEEE Transactions on Wireless Communications*, **2017**, 16, 5296-5310	9.6	5
223	Antenna Port Selection in a Coordinated Cloud Radio Access Network. *IEEE Communications Letters*, **2017**, 21, 588-591	3.8	
222	Robust Resource Allocation to Enhance Physical Layer Security in Systems With Full-Duplex Receivers: Active Adversary. *IEEE Transactions on Wireless Communications*, **2017**, 16, 885-899	9.6	51
221	A Spectrally Efficient Signal Space Diversity-Based Two-Way Relaying System. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 6215-6230	6.8	4
220	Toward Massive Ray-Based Simulations of mmWave Small Cells on Open Urban Maps. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 1435-1438	3.8	1
219	Non-coherent multi-layer constellations for unequal error protection **2017**,		1
218	A Novel Approach for QoS-Aware Joint User Association, Resource Block and Discrete Power Allocation in HetNets. *IEEE Transactions on Wireless Communications*, **2017**, 16, 7603-7618	9.6	3
217	Low-Complexity Detection of High-Order QAM Faster-Than-Nyquist Signaling. *IEEE Access*, **2017**, 5, 14579-14588	3.5	8
216	Reduced complexity optimal detection of binary faster-than-Nyquist signaling **2017**,		12
215	LTE for Public Safety Networks: Synchronization in the Presence of Jamming. *IEEE Access*, **2017**, 5, 20800-20813	3.5	10
214	Backhaul-aware robust 3D drone placement in 5G+ wireless networks **2017**,		150

213	Device-to-Device Communication Underlaying a Finite Cellular Network Region. *IEEE Transactions on Wireless Communications*, **2017**, 16, 332-347	9.6	24
212	Polar Codes for SCMA Systems **2017**,		5
211	Polar Code Design for Irregular Multidimensional Constellations. *IEEE Access*, **2017**, 5, 21941-21953	3.5	7
210	Design of High-SNR Multidimensional Constellations for Orthogonal Transmission in a Nakagami-${m}$ Fading Channel. *IEEE Access*, **2017**, 5, 26623-26638	3.5	4
209	LTE Physical-Layer Identity Detection in the Presence of Jamming **2017**,		1
208	Measurement-Based Path Loss and Delay Spread Propagation Models in VHF/UHF Bands for IoT Communications **2017**,		3
207	**2017**,		1
206	Enabling Sphere Decoding for SCMA. *IEEE Communications Letters*, **2017**, 21, 2750-2753	3.8	22
205	A novel probabilistic path loss model for simulating coexistence between 802.11 and 802.15.4 networks in smart home environments **2017**,		2
204	Efficient resource allocation for video streaming for 5G network-to-vehicle communications **2017**,		5
203	Polar coded multi-antenna multidimensional constellations in partially coherent channels **2017**,		1
202	User association and bandwidth allocation for terrestrial and aerial base stations with backhaul considerations **2017**,		58
201	Joint Realtime and Nonrealtime Flows Packet Scheduling and Resource Block Allocation in Wireless OFDMA Networks. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 2589-2607	6.8	11
200	**2016**, 54, 60-69		52
199	On the Spectral Efficiency of Selective Decode-and-Forward Relaying. *IEEE Transactions on Vehicular Technology*, **2016**, 1-1	6.8	3
198	. *IEEE Access*, **2016**, 4, 5010-5029	3.5	20
197	The New Frontier in RAN Heterogeneity: Multi-Tier Drone-Cells **2016**, 54, 48-55		297
196	Efficient 3-D placement of an aerial base station in next generation cellular networks **2016**,		420

195	A Novel Multiobjective Cell Switch-Off Framework for Cellular Networks. *IEEE Access*, **2016**, 4, 7883-7898	3.5	17
194	Quantifying the Regularity of Perturbed Triangular Lattices Using CoV-Based Metrics for Modeling the Locations of Base Stations in HetNets **2016**,		6
193	Analytic Modeling of SIR in Cellular Networks With Heterogeneous Traffic. *IEEE Communications Letters*, **2016**, 20, 1627-1630	3.8	0
192	. *IEEE Wireless Communications Letters*, **2016**, 5, 316-319	5.9	14
191	Limited Rate Feedback Scheme for Resource Allocation in Secure Relay-Assisted OFDMA Networks. *IEEE Transactions on Wireless Communications*, **2016**, 15, 2604-2618	9.6	18
190	Generalized Cross-Layer Designs for Generic Half-Duplex Multicarrier Wireless Networks With Frequency-Reuse. *IEEE Transactions on Wireless Communications*, **2016**, 15, 458-471	9.6	5
189	Exploiting the N -to-1 Mapping in Compress-and-Forward Relaying. *IEEE Transactions on Information Theory*, **2016**, 62, 290-308	2.8	2
188	BER Upper Bound Expressions in Coded Two-Transmission Schemes With Arbitrarily Spaced Signal Constellations. *IEEE Communications Letters*, **2016**, 20, 248-251	3.8	5
187	CoV-Based Metrics for Quantifying the Regularity of Hard-Core Point Processes for Modeling Base Station Locations. *IEEE Wireless Communications Letters*, **2016**, 5, 276-279	5.9	14
186	Optimum Transmission Through the Multiple-Antenna Gaussian Multiple Access Channel. *IEEE Transactions on Information Theory*, **2016**, 62, 230-243	2.8	20
185	Transmission Power Control for Link-Level Handshaking in Wireless Sensor Networks. *IEEE Sensors Journal*, **2016**, 16, 561-576	4	40
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