

Meng Zhang

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.

494
papers

42,986
citations

103
h-index

199
g-index

536
ext. papers

54,502
ext. citations

7.4
avg, IF

9.03
L-index

#	Paper	IF	Citations
494	Intelligent Reflecting Surface-Aided Wireless Energy and Information Transmission: An Overview. <i>Proceedings of the IEEE</i> , 2022 , 110, 150-170	14.3	19
493	Intelligent Reflecting Surface-Aided Spectrum Sensing for Cognitive Radio. <i>IEEE Wireless Communications Letters</i> , 2022 , 1-1	5.9	2
492	Double-IRS Aided MIMO Communication under LoS Channels: Capacity Maximization and Scaling. <i>IEEE Transactions on Communications</i> , 2022 , 1-1	6.9	4
491	A Survey on Channel Estimation and Practical Passive Beamforming Design for Intelligent Reflecting Surface Aided Wireless Communications. <i>IEEE Communications Surveys and Tutorials</i> , 2022 , 1-1	37.1	23
490	Target Sensing with Intelligent Reflecting Surface: Architecture and Performance. <i>IEEE Journal on Selected Areas in Communications</i> , 2022 , 1-1	14.2	6
489	Intelligent Reflecting Surface for Multi-Path Beam Routing with Active/Passive Beam Splitting and Combining. <i>IEEE Communications Letters</i> , 2022 , 1-1	3.8	1
488	Near-Field Modelling and Performance Analysis of Modular Extremely Large-Scale Array Communications. <i>IEEE Communications Letters</i> , 2022 , 1-1	3.8	
487	Intelligent Reflecting Surface-Aided Wireless Networks: From Single-Reflection to Multireflection Design and Optimization. <i>Proceedings of the IEEE</i> , 2022 , 1-21	14.3	9
486	Empowering Base Stations with Co-Site Intelligent Reflecting Surfaces: User Association, Channel Estimation and Reflection Optimization. <i>IEEE Transactions on Communications</i> , 2022 , 1-1	6.9	0
485	Deep Learning-Based Channel Estimation for mmWave Massive MIMO Systems in Mixed-ADC Architecture. <i>Sensors</i> , 2022 , 22, 3938	3.8	
484	Anchor-Assisted Channel Estimation for Intelligent Reflecting Surface Aided Multiuser Communication. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	18
483	UAV Aided Over-the-Air Computation. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	4
482	3D Trajectory Optimization for Energy-Efficient UAV Communication: A Control Design Perspective. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	5
481	Multi-UAV Aided Millimeter-Wave Networks: Positioning, Clustering, and Beamforming. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	0
480	Transforming Fading Channel from Fast to Slow: Intelligent Refracting Surface Aided High-Mobility Communication. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	10
479	. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	5
478	A Survey on Millimeter-Wave Beamforming Enabled UAV Communications and Networking. <i>IEEE Communications Surveys and Tutorials</i> , 2021 , 1-1	37.1	29

477	Radio Map-Based 3D Path Planning for Cellular-Connected UAV. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 1975-1989	9.6	20
476	Delay-Optimal Scheduling for IRS-Aided Mobile Edge Computing. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 740-744	5.9	21
475	On the Trade-Off between Energy Efficiency and Spectral Efficiency in RIS-Aided Multi-User MISO Downlink. <i>Electronics (Switzerland)</i> , 2021 , 10, 1307	2.6	4
474	Intelligent Reflecting Surface-Aided Wireless Communications: A Tutorial. <i>IEEE Transactions on Communications</i> , 2021 , 69, 3313-3351	6.9	372
473	Angular-Domain Selective Channel Tracking and Doppler Compensation for High-Mobility mmWave Massive MIMO. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 2902-2916	9.6	6
472	. <i>IEEE Transactions on Communications</i> , 2021 , 69, 4216-4231	6.9	33
471	Cooperative Multi-Beam Routing for Multi-IRS Aided Massive MIMO 2021 ,		3
470	Multi-Objective Resource Allocation for IRS-Aided SWIPT. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1324-1328	5.9	21
469	Uplink Channel Estimation for Double-IRS Assisted Multi-User MIMO 2021 ,		5
468	Environment-Aware and Training-Free Beam Alignment for mmWave Massive MIMO via Channel Knowledge Map 2021 ,		4
467	Efficient Channel Estimation for Double-IRS Aided Multi-User MIMO System. <i>IEEE Transactions on Communications</i> , 2021 , 69, 3818-3832	6.9	36
466	Transforming Fading Channel from Fast to Slow: IRS-Assisted High-Mobility Communication 2021 ,		10
465	Energy-Efficient UAV Multicasting With Simultaneous FSO Backhaul and Power Transfer. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1537-1541	5.9	2
464	Wireless Communication with Extremely Large-Scale Intelligent Reflecting Surface 2021 ,		7
463	. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 2-17	9.6	82
462	A Low-Complexity Beamforming Design for Multiuser Wireless Energy Transfer. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 58-62	5.9	8
461	Fast Channel Estimation for IRS-Assisted OFDM. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 580-584	5.9	30
460	3D Placement for Multi-UAV Relaying: An Iterative Gibbs-Sampling and Block Coordinate Descent Optimization Approach. <i>IEEE Transactions on Communications</i> , 2021 , 69, 2047-2062	6.9	9

459	Wireless Communication via Double IRS: Channel Estimation and Passive Beamforming Designs. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 431-435	5.9	38
458	Energy Efficiency Maximization via Joint Active and Passive Beamforming Design for Multiuser MISO IRS-Aided SWIPT. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 557-561	5.9	30
457	Intelligent Reflecting Surface Aided Multicasting With Random Passive Beamforming. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 92-96	5.9	17
456	Wireless Power Transfer with Information Asymmetry: A Public Goods Perspective. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 276-291	4.6	3
455	. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	9
454	UAV Trajectory and Communication Co-design: Flexible Path Discretization and Path Compression. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 1-1	14.2	3
453	Channel Estimation for Intelligent Reflecting Surface Assisted Backscatter Communication. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	6
452	Refined Nonlinear Rectenna Modeling and Optimal Waveform Design for Multi-User Multi-Antenna Wireless Power Transfer. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2021 , 1-1	7.5	1
451	Semi-Passive Elements Assisted Channel Estimation for Intelligent Reflecting Surface-Aided Communications. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	10
450	Outage-Constrained Robust Beamforming for Intelligent Reflecting Surface Aided Wireless Communication. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 1301-1316	4.8	17
449	Multi-Beam Multi-Hop Routing for Intelligent Reflecting Surfaces Aided Massive MIMO. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	10
448	Distributed Beam Training for Intelligent Reflecting Surface Enabled Multi-Hop Routing. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	6
447	Aerial-Ground Interference Mitigation for Cellular-Connected UAV. <i>IEEE Wireless Communications</i> , 2021 , 28, 167-173	13.4	10
446	Massive MIMO for Cellular-Connected UAV: Challenges and Promising Solutions. <i>IEEE Communications Magazine</i> , 2021 , 59, 84-90	9.1	11
445	Cooperative Beam Routing for Multi-IRS Aided Communication. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 426-430	5.9	26
444	Towards Reliable UAV Swarm Communication in D2D-Enhanced Cellular Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 1567-1581	9.6	8
443	Double-IRS Assisted Multi-User MIMO: Cooperative Passive Beamforming Design. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 4513-4526	9.6	40
442	Aerial Intelligent Reflecting Surface: Joint Placement and Passive Beamforming Design With 3D Beam Flattening. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 4128-4143	9.6	51

441	Simultaneous Navigation and Radio Mapping for Cellular-Connected UAV With Deep Reinforcement Learning. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 4205-4220	9.6	22
440	A novel D2D-MEC method for enhanced computation capability in cellular networks. <i>Scientific Reports</i> , 2021 , 11, 16918	4.9	0
439	IRS Meets Relaying: Joint Resource Allocation and Passive Beamforming Optimization. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 2080-2084	5.9	8
438	Two-Timescale Beamforming Optimization for Intelligent Reflecting Surface Aided Multiuser Communication With QoS Constraints. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 6179-6194	9.6	15
437	Performance Analysis and User Association Optimization for Wireless Network Aided by Multiple Intelligent Reflecting Surfaces. <i>IEEE Transactions on Communications</i> , 2021 , 69, 6296-6312	6.9	11
436	Intelligent Reflecting Surface Aided Multi-User Communication: Capacity Region and Deployment Strategy. <i>IEEE Transactions on Communications</i> , 2021 , 69, 5790-5806	6.9	29
435	Hybrid Active/Passive Wireless Network Aided by Intelligent Reflecting Surface: System Modeling and Performance Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	15
434	UAV-Enabled Wireless Power Transfer: A Tutorial Overview. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 1-1	4	8
433	. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	36
432	Enabling Smart Reflection in Integrated Air-Ground Wireless Network: IRS Meets UAV. <i>IEEE Wireless Communications</i> , 2021 , 28, 138-144	13.4	22
431	2020 ,		23
430	An Adaptive Channel Division MAC Protocol for High Dynamic UAV Networks. <i>IEEE Sensors Journal</i> , 2020 , 1-1	4	5
429	Intelligent Reflecting Surface: Practical Phase Shift Model and Beamforming Optimization. <i>IEEE Transactions on Communications</i> , 2020 , 68, 5849-5863	6.9	197
428	Cooperative Double-IRS Aided Communication: Beamforming Design and Power Scaling. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1206-1210	5.9	51
427	Two-timescale Beamforming Optimization for Intelligent Reflecting Surface Enhanced Wireless Network 2020 ,		8
426	Energy Efficiency Maximization for Full-Duplex UAV Secrecy Communication. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 4590-4595	6.8	31
425	Intelligent Reflecting Surface Meets OFDM: Protocol Design and Rate Maximization. <i>IEEE Transactions on Communications</i> , 2020 , 68, 4522-4535	6.9	213
424	Hybrid Offline-Online Design for UAV-Enabled Data Harvesting in Probabilistic LoS Channels. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 3753-3768	9.6	52

423	Capacity Characterization for Intelligent Reflecting Surface Aided MIMO Communication. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 1823-1838	14.2	207
422	Joint Active and Passive Beamforming Optimization for Intelligent Reflecting Surface Assisted SWIPT Under QoS Constraints. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 1735-1748	14.2	166
421	Reconfigurable Intelligent Surfaces vs. Relaying: Differences, Similarities, and Performance Comparison. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 798-807	6.7	221
420	Pilot Decontamination for Massive MIMO Network With UAVs. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1830-1834	5.9	4
419	UAV-Sensing-Assisted Cellular Interference Coordination: A Cognitive Radio Approach. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 799-803	5.9	21
418	Spatial Throughput Characterization for Intelligent Reflecting Surface Aided Multiuser System. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 834-838	5.9	41
417	Cooperative NOMA for Downlink Asymmetric Interference Cancellation. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 884-888	5.9	7
416	Multi-UAV Interference Coordination via Joint Trajectory and Power Control. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 843-858	4.8	54
415	IRS-Enhanced OFDMA: Joint Resource Allocation and Passive Beamforming Optimization. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 760-764	5.9	55
414	Intelligent Reflecting Surface Assisted Secrecy Communication: Is Artificial Noise Helpful or Not?. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 778-782	5.9	159
413	A New Store-Then-Amplify-and-Forward Protocol for UAV Mobile Relaying. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 591-595	5.9	6
412	Intelligent Reflecting Surface-Assisted Multiple Access With User Pairing: NOMA or OMA?. <i>IEEE Communications Letters</i> , 2020 , 24, 753-757	3.8	126
411	3D Beam Tracking for Cellular-Connected UAV. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 736-740	5.9	20
410	Jamming-Assisted Proactive Eavesdropping Over Two Suspicious Communication Links. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 4817-4830	9.6	22
409	Anchor-Assisted Intelligent Reflecting Surface Channel Estimation for Multiuser Communications 2020 ,		13
408	Performance Analysis for Cellular-Connected UAVs 2020 , 103-138		
407	Non-Orthogonal Multiple Access for UAV Communications 2020 , 349-371		0
406	UAV Cellular Spectrum Sharing 2020 , 329-348		

405	Physical Layer Security for UAV Communications 2020 , 373-397		2
404	Joint Trajectory and Resource Optimization 2020 , 283-297		
403	Energy-Efficient UAV Communications 2020 , 299-314		
402	Stochastic Geometry-Based Performance Analysis of Drone Cellular Networks 2020 , 231-254		1
401	Fundamental Trade-Offs for UAV Communications 2020 , 315-328		
400	A Survey of Air-to-Ground Propagation Channel Modeling for Unmanned Aerial Vehicles 2020 , 17-70		1
399	Beamforming Optimization for Wireless Network Aided by Intelligent Reflecting Surface With Discrete Phase Shifts. <i>IEEE Transactions on Communications</i> , 2020 , 68, 1838-1851	6.9	355
398	Secure transmission scheme for SWIPT-powered full-duplex relay system with multi-antenna based on energy cooperation and cooperative jamming. <i>Telecommunication Systems</i> , 2020 , 74, 55-66	2.3	2
397	Receding Horizon Optimization for Energy-Efficient UAV Communication. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 490-494	5.9	12
396	Intelligent Reflecting Surface-Enhanced OFDM: Channel Estimation and Reflection Optimization. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 518-522	5.9	310
395	. <i>IEEE Transactions on Communications</i> , 2020 , 68, 1312-1326	6.9	15
394	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 1350-1363	10.7	61
393	Weighted Sum Power Maximization for Intelligent Reflecting Surface Aided SWIPT. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 586-590	5.9	180
392	Towards Smart and Reconfigurable Environment: Intelligent Reflecting Surface Aided Wireless Network. <i>IEEE Communications Magazine</i> , 2020 , 58, 106-112	9.1	930
391	Cooperative Downlink Interference Transmission and Cancellation for Cellular-Connected UAV: A Divide-and-Conquer Approach. <i>IEEE Transactions on Communications</i> , 2020 , 68, 1297-1311	6.9	35
390	Fast Specific Absorption Rate Aware Beamforming for Downlink SWIPT via Deep Learning. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 16178-16182	6.8	4
389	Intelligent Reflecting Surface with Discrete Phase Shifts: Channel Estimation and Passive Beamforming 2020 ,		36
388	Uplink Cooperative Interference Cancellation for Cellular-Connected UAV: A Quantize-and-Forward Approach. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1567-1571	5.9	8

387	Fast Beam Training for IRS-Assisted Multiuser Communications. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1845-1849	5.9	25
386	. <i>IEEE Wireless Communications</i> , 2020 , 27, 118-125	13.4	368
385	Placement Learning for Multi-UAV Relaying: A Gibbs Sampling Approach 2020 ,		4
384	Channel Estimation and Passive Beamforming for Intelligent Reflecting Surface: Discrete Phase Shift and Progressive Refinement. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 2604-2620	14.2	129
383	Enabling Panoramic Full-Angle Reflection Via Aerial Intelligent Reflecting Surface 2020 ,		27
382	Intelligent Reflecting Surface: Practical Phase Shift Model and Beamforming Optimization 2020 ,		34
381	On the Capacity of Intelligent Reflecting Surface Aided MIMO Communication 2020 ,		3
380	Intelligent Reflecting Surface Assisted Multi-User OFDMA: Channel Estimation and Training Design. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 8315-8329	9.6	110
379	UAV-Enabled Wireless Power Transfer 2020 , 399-416		0
378	Anti-Jamming 3D Trajectory Design for UAV-Enabled Wireless Sensor Networks Under Probabilistic LoS Channel. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 16288-16293	6.8	11
377	Joint Power Control and Passive Beamforming in IRS-Assisted Spectrum Sharing. <i>IEEE Communications Letters</i> , 2020 , 24, 1553-1557	3.8	53
376	On the Secrecy Capacity of a Full-Duplex Wirelessly Powered Communication System. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 5424-5439	9.6	2
375	Cellular-Connected UAV: Uplink Association, Power Control and Interference Coordination. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 5380-5393	9.6	81
374	Cognitive UAV Communication via Joint Maneuver and Power Control. <i>IEEE Transactions on Communications</i> , 2019 , 67, 7872-7888	6.9	49
373	Trajectory Design for Cellular-Connected UAV Under Outage Duration Constraint 2019 ,		12
372	Intelligent Reflecting Surface Enhanced Wireless Network via Joint Active and Passive Beamforming. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 5394-5409	9.6	1071
371	Guest Editorial Wireless Transmission of Information and Power Part II. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 249-252	14.2	1
370	Resource Allocation for Wireless-Powered IoT Networks With Short Packet Communication. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 1447-1461	9.6	63

369	Secure Wireless Communication via Intelligent Reflecting Surface. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 1410-1414	5.9	312
368	A survey of data fusion in smart city applications. <i>Information Fusion</i> , 2019 , 52, 357-374	16.7	114
367	Jamming-Assisted Eavesdropping Over Parallel Fading Channels. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 2486-2499	8	34
366	3D Trajectory Optimization in Rician Fading for UAV-Enabled Data Harvesting. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 3192-3207	9.6	144
365	Engineering Radio Maps for Wireless Resource Management. <i>IEEE Wireless Communications</i> , 2019 , 26, 133-141	13.4	41
364	. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 2464-2476	9.6	4
363	CoMP in the Sky: UAV Placement and Movement Optimization for Multi-User Communications. <i>IEEE Transactions on Communications</i> , 2019 , 67, 5645-5658	6.9	79
362	Energy Minimization for Wireless Communication With Rotary-Wing UAV. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 2329-2345	9.6	507
361	Uplink Cooperative NOMA for Cellular-Connected UAV. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2019 , 13, 644-656	7.5	109
360	Exploiting NOMA for Multi-Beam UAV Communication in Cellular Uplink 2019 ,		14
359	. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 1898-1910	14.2	7
358	Wireless Communications Through Reconfigurable Intelligent Surfaces. <i>IEEE Access</i> , 2019 , 7, 116753-116773	7.3	833
357	Network-Connected UAV: 3-D System Modeling and Coverage Performance Analysis. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 7048-7060	10.7	34
356	Adaptive Deployment for UAV-Aided Communication Networks. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4531-4543	9.6	74
355	Multi-Beam UAV Communication in Cellular Uplink: Cooperative Interference Cancellation and Sum-Rate Maximization. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4679-4691	9.6	61
354	Beamforming Optimization for Intelligent Reflecting Surface with Discrete Phase Shifts 2019 ,		126
353	Safeguarding Wireless Network with UAVs: A Physical Layer Security Perspective. <i>IEEE Wireless Communications</i> , 2019 , 26, 12-18	13.4	71
352	Radio Map Based Path Planning for Cellular-Connected UAV 2019 ,		17

351	Fundamental Trade-offs in Communication and Trajectory Design for UAV-Enabled Wireless Network. <i>IEEE Wireless Communications</i> , 2019 , 26, 36-44	13.4	121
350	UAV-Enabled Cooperative Jamming for Improving Secrecy of Ground Wiretap Channel. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 181-184	5.9	117
349	IRS-Enhanced OFDM: Power Allocation and Passive Array Optimization 2019 ,		36
348	3D Trajectory Design for UAV-Enabled Data Harvesting in Probabilistic LoS Channel 2019 ,		5
347	2019 ,		1
346	Accessing From the Sky: A Tutorial on UAV Communications for 5G and Beyond. <i>Proceedings of the IEEE</i> , 2019 , 107, 2327-2375	14.3	410
345	Guest Editorial Wireless Transmission of Information and Power Part I. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 1-3	14.2	7
344	Cellular-Enabled UAV Communication: A Connectivity-Constrained Trajectory Optimization Perspective. <i>IEEE Transactions on Communications</i> , 2019 , 67, 2580-2604	6.9	190
343	Securing UAV Communications via Joint Trajectory and Power Control. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 1376-1389	9.6	239
342	Cellular-Connected UAV: Potential, Challenges, and Promising Technologies. <i>IEEE Wireless Communications</i> , 2019 , 26, 120-127	13.4	271
341	. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 4188-4200	10.7	132
340	Throughput Maximization for UAV-Enabled Wireless Powered Communication Networks. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 1690-1703	10.7	178
339	Flexible Multi-Group Single-Carrier Modulation: Subcarrier Mapping and Power Allocation Optimization. <i>IEEE Transactions on Communications</i> , 2019 , 67, 2002-2014	6.9	2
338	Optimal Resource Allocation in Full-Duplex Ambient Backscatter Communication Networks for Wireless-Powered IoT. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 2612-2625	10.7	57
337	Fundamentals of Wireless Information and Power Transfer: From RF Energy Harvester Models to Signal and System Designs. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 4-33	14.2	298
336	Exploiting Interference for Secrecy Wireless Information and Power Transfer. <i>IEEE Wireless Communications</i> , 2018 , 25, 133-139	13.4	12
335	Trajectory Design for Completion Time Minimization in UAV-Enabled Multicasting. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 2233-2246	9.6	241
334	Modulation in the Air: Backscatter Communication Over Ambient OFDM Carrier. <i>IEEE Transactions on Communications</i> , 2018 , 66, 1219-1233	6.9	168

333	Energy-Efficient Data Collection in UAV Enabled Wireless Sensor Network. <i>IEEE Wireless Communications Letters</i> , 2018 , 7, 328-331	5.9	371
332	Retrodirective Multi-User Wireless Power Transfer With Massive MIMO. <i>IEEE Wireless Communications Letters</i> , 2018 , 7, 54-57	5.9	33
331	Channel Estimation for Millimeter-Wave MIMO Communications With Lens Antenna Arrays. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 3239-3251	6.8	40
330	Multi-User Millimeter Wave MIMO With Full-Dimensional Lens Antenna Array. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 2800-2814	9.6	46
329	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 6772-6786	8.9	94
328	Constant Envelope Precoding for MIMO Systems. <i>IEEE Transactions on Communications</i> , 2018 , 66, 149-162	9	34
327	Inductor-Free Wireless Energy Delivery via Maxwell's Displacement Current from an Electrodeless Triboelectric Nanogenerator. <i>Advanced Materials</i> , 2018 , 30, 1704077	24	88
326	Joint Trajectory and Communication Design for Multi-UAV Enabled Wireless Networks. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 2109-2121	9.6	849
325	. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 3988-4001	9.6	180
324	Energy Tradeoff in Ground-to-UAV Communication via Trajectory Design. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 6721-6726	6.8	224
323	Transmit Optimization for Symbol-Level Spoofing. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 41-55	9.6	12
322	Energy Cooperation Optimization in Microgrids With Renewable Energy Integration. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 1482-1493	10.7	122
321	Node Placement and Distributed Magnetic Beamforming Optimization for Wireless Power Transfer. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2018 , 4, 264-279	2.8	16
320	Trajectory Design for Distributed Estimation in UAV-Enabled Wireless Sensor Network. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 10155-10159	6.8	46
319	Throughput Maximization for UAV-Enabled Wireless Powered Communication Networks - Invited Paper 2018 ,		9
318	Resource Management for Asynchronous Mobile-Edge Computation Offloading 2018 ,		3
317	UAV-Enabled Broadcast Channel: Trajectory Design and Capacity Characterization 2018 ,		5
316	Common Throughput Maximization in UAV-Enabled OFDMA Systems With Delay Consideration. <i>IEEE Transactions on Communications</i> , 2018 , 66, 6614-6627	6.9	227

315	. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 1955-1971	14.2	130
314	UAV-Enabled Radio Access Network: Multi-Mode Communication and Trajectory Design. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 5269-5284	4.8	70
313	Wireless Power Transfer With Hybrid Beamforming: How Many RF Chains Do We Need?. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 6972-6984	9.6	25
312	Overcoming Endurance Issue: UAV-Enabled Communications With Proactive Caching. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 1231-1244	14.2	91
311	Transmit beamforming for simultaneous wireless information and power transfer 2018 , 479-506		1
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