

# Yuan an Liu

## 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.

312  
papers

3,134  
citations

30  
h-index

44  
g-index

382  
ext. papers

3,948  
ext. citations

2.7  
avg, IF

5.76  
L-index

#	Paper	IF	Citations
312	Heuristic Strategy of Service Function Chain Deployment Based on N-Base Continuous Digital Coding in Network Function Virtualization Environment. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 331	2.6	0
311	Joint Task Offloading and Resource Allocation for Multi-Access Edge Computing Assisted by Parked and Moving Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	2
310	Fluorescein isothiocyanate-doped conjugated polymer nanoparticles for two-photon ratiometric fluorescent imaging of intracellular pH fluctuations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 267, 120477	4.4	1
309	A Truthful Combinatorial Auction Mechanism towards Mobile Edge Computing in Industrial Internet of Things. <i>IEEE Transactions on Cloud Computing</i> , <b>2022</b> , 1-1	3.3	
308	Android Malware Detection Based on Functional Classification. <i>IEICE Transactions on Information and Systems</i> , <b>2022</b> , E105.D, 656-666	0.6	0
307	Generalized Continuous Piecewise Linear Companding Transform Design for PAPR Reduction in OFDM Systems. <i>IEEE Transactions on Broadcasting</i> , <b>2022</b> , 1-17	4.7	0
306	A Symmetrical Broadband Tight-Coupled Directional Coupler with High Directivity Using Three-Folded-Coupled Lines. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2022</b> , 1-1	3.5	1
305	A Meta-Learning Algorithm for Rebalancing the Bike-Sharing System in IoT Smart City. <i>IEEE Internet of Things Journal</i> , <b>2022</b> , 1-1	10.7	0
304	On Efficient Non-Stationary Channel Emulation in Conductive Phase Matrix Setup for Massive MIMO Performance Testing. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	
303	Accuracy-Based Task Offloading and Resource Allocation for Edge Intelligence in IoT. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 1-1	5.9	
302	Adjustable Nonlinear Companding Transform Based on Scaling of Probability Density Function for PAPR Reduction in OFDM Systems. <i>IEEE Transactions on Broadcasting</i> , <b>2021</b> , 67, 524-537	4.7	3
301	Novel Deterministic Angular Sampling Methods for 3D Channel Models. <i>IEEE Communications Letters</i> , <b>2021</b> , 25, 1756-1760	3.8	1
300	Servo relays as distributed controllable-mobility network to maintain long-term stable links for mobile robot swarms. <i>Ad Hoc Networks</i> , <b>2021</b> , 117, 102497	4.8	1
299	Effective Charging Planning Based on Deep Reinforcement Learning for Electric Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 542-554	6.1	16
298	A Wireless Power Transmitter With Uniform Power Transfer Coverage. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 10709-10717	8.9	3
297	LEACH-R: LEACH Relay With Cache Strategy for Mobile Robot Swarms. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 10, 406-410	5.9	5
296	Probabilistic computation offloading and data caching assisted by mobile-edge-computing-enabled base stations. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , <b>2021</b> , 76, 447-465	2	1

295	A novel two-dimensional crest factor reduction method based on concurrent output capacity of power amplifiers. <i>Microwave and Optical Technology Letters</i> , <b>2021</b> , 63, 835-839	1.2	
294	Design and Experimental Validation of Automated Millimeter-Wave phased Array Antenna-in-Package (AiP) Experimental Platform. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-11	5.2	5
293	Optimal Storage Allocation for Delay Sensitivity Data in Electric Vehicle Network. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 579-591	6.1	1
292	A Hybrid Companding and Clipping Scheme for PAPR Reduction in OFDM Systems. <i>IEEE Access</i> , <b>2021</b> , 9, 61565-61576	3.5	5
291	A Low Sampling Rate Memory-Grouped Method for Digital Predistortion With Constrained Acquisition Bandwidth. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 1-1	4.1	3
290	Experimental Comparison of OnOff and All-On Calibration Modes for Beam-Steering Performance of mmWave Phased Array Antenna-in-Package. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-9	5.2	1
289	Energy-efficient Power Allocation in Multi-User mmWave-NOMA Systems With Finite Resolution Analog Precoding. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 1-1	6.8	4
288	Game-Based Multi-Type Task Offloading among Mobile-Edge-Computing-Enabled Base Stations. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	1
287	Novel Linear Companding Transform Design Based on Linear Curve Fitting for PAPR Reduction in OFDM Systems. <i>IEEE Communications Letters</i> , <b>2021</b> , 1-1	3.8	2
286	Dual-Broadband Impedance Converter Based on Multiedge Frequency Matching Technique. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2021</b> , 1-4	2.6	
285	Novel PAPR Reduction Scheme Based on Piecewise Nonlinear Companding Transform in OFDM Systems. <i>IEEE Communications Letters</i> , <b>2020</b> , 24, 1757-1761	3.8	5
284	On Uncertainty Investigation of mmWave Phased-Array Element Control With an All-On Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1993-1997	3.8	4
283	Analysis and design of a novel concurrent Class B/J continuum power amplifier. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2020</b> , 30, e22275	1.5	0
282	A benchmark dataset for ensemble framework by using nature inspired algorithms for the early-stage forest fire rescue. <i>Data in Brief</i> , <b>2020</b> , 31, 105686	1.2	1
281	Dual-Band Balanced Bandpass Filter Using Slotlines Loaded Patch Resonators With Independently Controllable Bandwidths. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2020</b> , 30, 653-656	2.6	2
280	Batch-Assisted Verification Scheme for Reducing Message Verification Delay of the Vehicular Ad Hoc Networks. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 8144-8156	10.7	3
279	Bandpass Filtering Power Amplifier With Extended Band and High Efficiency. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2020</b> , 30, 181-184	2.6	7
278	Secure Beamforming in Full-Duplex Two-Way Relay Networks With SWIPT for Multimedia Transmission. <i>IEEE Access</i> , <b>2020</b> , 8, 26851-26862	3.5	4

277	Dual-band Gysel power dividers with large frequency ratio and unequal power division. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2020</b> , 30, e22203	1.5	2
276	A UWB MIMO slot antenna using defected ground structures for high isolation. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2020</b> , 30, e22155	1.5	8
275	A Dual-Band Radiation-Differentiated Patch Antenna for Future Wireless Scenes. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1007-1011	3.8	3
274	Double-Sided Spoof Surface Plasmon Polaritons- Line Bandpass Filter With Excellent Dual-Band Filtering and Wide Upper BandSuppressions. <i>IEEE Transactions on Plasma Science</i> , <b>2020</b> , 48, 4134-4143	1.3	10
273	PageRank-Based Multi-Hop Computation Offloading in D2D Networks. <i>IEEE Networking Letters</i> , <b>2020</b> , 2, 195-198	2.8	0
272	Compact dual-band filtering power divider with independently controllable bandwidths using shorted patch resonators. <i>IET Microwaves, Antennas and Propagation</i> , <b>2020</b> , 14, 759-767	1.6	4
271	Adaptive Basis Direct Learning Method for Predistortion of RF Power Amplifier. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2020</b> , 30, 98-101	2.6	6
270	A Hybrid Intrusion Detection System for IoT Applications with Constrained Resources. <i>International Journal of Digital Crime and Forensics</i> , <b>2020</b> , 12, 109-130	0.7	3
269	EstiDroid: Estimate API Calls of Android Applications Using Static Analysis Technology. <i>IEEE Access</i> , <b>2020</b> , 8, 105384-105398	3.5	3
268	Filtering rat-race couplers with impedance transforming characteristics based on terminated coupled line structures. <i>IET Microwaves, Antennas and Propagation</i> , <b>2020</b> , 14, 734-742	1.6	4
267	Probe Selection for 5G Massive MIMO Base Station Over-the-Air Testing. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1998-2002	3.8	4
266	An Adaptive Dual Prediction Scheme Based on Edge Intelligence. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 9481-9493	10.7	4
265	Dynamic Memory Memetic Algorithm for VRPPD With Multiple Arrival Time and Traffic Congestion Constraints. <i>IEEE Access</i> , <b>2020</b> , 8, 167537-167554	3.5	1
264	Hardware-Efficient Hybrid Precoding and Power Allocation in Multi-User mmWave-NOMA Systems <b>2020</b> ,		1
263	Impact on focal parameters for near-field-focused aperture antennas. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , <b>2020</b> , 33, e2510	1	
262	A Coupled Line-Based Coupler With Simultaneously Tunable Phase and Frequency. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2019</b> , 66, 4637-4647	3.9	12
261	Multi-transmission Poles Dual-band Bandpass Filter with Extended Bandwidth <b>2019</b> ,		3
260	. <i>IEEE Access</i> , <b>2019</b> , 7, 108474-108485	3.5	4

259	Ultra-miniaturized Balanced Bandpass Filter Using GaAs-based Integrated Passive Device Technology <b>2019</b> ,		2
258	Capacitive probe-compensation-fed wideband patch antenna with U-shaped parasitic elements for 5G/WLAN/WiMAX applications. <i>IEICE Electronics Express</i> , <b>2019</b> , 16, 20190362-20190362		0.5
257	A Broadband Filtering Patch Antenna Using T-Probe, Transverse Stubs, and U-Slots. <i>IEEE Access</i> , <b>2019</b> , 7, 7502-7509	3.5	7
256	A Compact Single-Layer Ultra-Wideband Phase Shifter Using Weakly Coupled Lines. <i>IEEE Access</i> , <b>2019</b> , 7, 12575-12583	3.5	6
255	Wide-Band Filtering Three-Port Coupler With Inherent DC-Blocking Function. <i>IEEE Access</i> , <b>2019</b> , 7, 13170-13174	3.5	4
254	MBIC: A Novel Influence Propagation Model for Membership-Based Influence Maximization in Social Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 75696-75707	3.5	5
253	Theoretical Analysis of the Peak-to-Average Power Ratio and Optimal Pulse Shaping Filter Design for GFDM Systems. <i>IEEE Transactions on Signal Processing</i> , <b>2019</b> , 67, 3455-3470	4.8	8
252	Feature Data Selection for Improving the Performance of Entity Similarity Searches in the Internet of Things. <i>IEEE Access</i> , <b>2019</b> , 7, 49938-49944	3.5	2
251	Reply to Comments on A Universal Approach for Designing an Unequal Branch-Line Coupler With Arbitrary Phase Differences and Input/Output Impedances <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2019</b> , 9, 1210-1216	1.7	5
250	Design of a wideband filtering power divider with good in-band and out-of-band isolations. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2019</b> , 29, e21728	1.5	7
249	A planar end-fire circularly polarized complementary Yagi antenna. <i>Microwave and Optical Technology Letters</i> , <b>2019</b> , 61, 1889-1894	1.2	0
248	MCDMSR: multicriteria decision making selection/replacement based on agility strategy for real optimization problems. <i>Applied Intelligence</i> , <b>2019</b> , 49, 2918-2941	4.9	3
247	Multi-Dimensional Joint Prediction Model for IoT Sensor Data Search. <i>IEEE Access</i> , <b>2019</b> , 7, 90863-90873	3.5	7
246	Compact filtering power dividers with wide upper stopband. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2019</b> , 11, 765-773		0.8
245	An Efficient Piecewise Nonlinear Companding Transform for PAPR Reduction in UPMC Systems <b>2019</b> ,		3
244	Multi-Robot Cooperative Task Allocation With Definite Path-Conflict-Free Handling. <i>IEEE Access</i> , <b>2019</b> , 7, 138495-138511	3.5	9
243	DroidARA: Android Application Automatic Categorization Based on API Relationship Analysis. <i>IEEE Access</i> , <b>2019</b> , 7, 157987-157996	3.5	3
242	Closed-form and analytical BER expression for OFDM system with law companding operation. <i>China Communications</i> , <b>2019</b> , 16, 61-69	3	3

241	Compact arbitrary terminated power divider with bandwidth-enhanced negative group delay characteristics. <i>International Journal of Circuit Theory and Applications</i> , <b>2019</b> , 47, 909-916	2	2
240	Beam Probability Metric for 5G OTA Testing in Multi-Probe Anechoic Chamber Setups <b>2019</b> ,		2
239	A Simple Planar Microstrip Dual-Band Bandpass Filter with Multiple Transmission Zeros <b>2019</b> ,		1
238	A Planar Dual-Wideband Bandpass Filter with Multiple Transmission Poles <b>2019</b> ,		2
237	A Family of Practical Hybrid Precoding Algorithms for Rank-Deficient Millimeter-Wave MIMO Systems. <i>IEEE Access</i> , <b>2019</b> , 7, 185740-185749	3.5	3
236	Plane wave compensation technique for multiple-input multiple-output over-the-air testing in small multi-probe anechoic chamber. <i>IET Microwaves, Antennas and Propagation</i> , <b>2019</b> , 13, 2625-2631	1.6	3
235	An Energy-Balanced Joint Routing and Charging Framework in Wireless Rechargeable Sensor Networks for Mobile Multimedia. <i>IEEE Access</i> , <b>2019</b> , 7, 177637-177650	3.5	9
234	An Enhanced Random Access Algorithm Based on the Clustering-Reuse Preamble Allocation in NB-IoT System. <i>IEEE Access</i> , <b>2019</b> , 7, 183847-183859	3.5	7
233	Wideband filtering power dividers with wide stopband rejection. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2019</b> , 11, 7-14	0.8	
232	Compact Wideband Reflective/Absorptive Bandstop Filter With Multitransmission Zeros. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2019</b> , 67, 482-493	4.1	19
231	Bandwidth-tunable filtering balun based on compact 3D configuration. <i>Electronics Letters</i> , <b>2019</b> , 55, 32-34	4.1	3
230	A New Coupler Structure with Phase-Controlled Power Divisions of Extremely-Wide Tunable Ranges and Arbitrary Phase Differences. <i>IEEE Access</i> , <b>2018</b> , 6, 10121-10130	3.5	15
229	Independent Control Function for Concurrent Dual-Band VCO. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2018</b> , 28, 230-232	2.6	5
228	Compact filtering power divider with wide passband bandwidth. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 1096-1100	1.2	2
227	Concurrent Dual-Band Low Intermediate Frequency Receiver Based on the Multiport Correlator and Single Local Oscillator. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2018</b> , 28, 353-355	2.6	9
226	Impact of amplitude weights on power focusing for near-field-focused planar arrays. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2018</b> , 28, e21268	1.5	3
225	Compact wideband filtering microstrip crossover with separated operating frequencies. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 731-735	1.2	3
224	Planar Balanced-to-Unbalanced In-Phase Power Divider With Wideband Filtering Response and Ultra-Wideband Common-Mode Rejection. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2018</b> , 65, 1875-1886	3.9	29



223	Circular Polarization and Mode Reconfigurable Wideband Orbital Angular Momentum Patch Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 1796-1804	4.9	34
222	Balanced-evolution genetic algorithm for combinatorial optimization problems: the general outline and implementation of balanced-evolution strategy based on linear diversity index. <i>Natural Computing</i> , <b>2018</b> , 17, 611-639	1.3	5
221	. <i>IEEE Access</i> , <b>2018</b> , 6, 22622-22633	3.5	43
220	Design of Dual-Band High-Efficiency Power Amplifiers Based on Compact Broadband Matching Networks. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2018</b> , 1-3	2.6	12
219	A novel power divider with ultra-wideband harmonics suppression based on double-sided parallel spoof surface plasmon polaritons transmission line. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2018</b> , 28, e21231	1.5	18
218	Filtering Gysel power divider with arbitrary power splitting ratio. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 514-519	1.2	1
217	Multiband DC-block impedance transformer for extreme complex impedances. <i>Electronics Letters</i> , <b>2018</b> , 54, 105-107	1.1	2
216	Narrowband balanced absorptive bandstop filter integrated with wideband bandpass response. <i>Electronics Letters</i> , <b>2018</b> , 54, 225-227	1.1	12
215	Concurrent Dual-Band Receiver Based on the Multi-Port Correlator for Wireless Applications. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2018</b> , 65, 759-763	3.5	2
214	Near-Field Focused Array Antenna With Frequency-Tunable Focal Distance. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 3401-3410	4.9	8
213	Independently Tunable Concurrent Dual-Band VCO Using Square Open-Loop Resonator. <i>IEEE Access</i> , <b>2018</b> , 6, 12634-12641	3.5	7
212	Design of three-dimensional filtering balun with inherent complete ground and enhanced stopband rejection. <i>Electronics Letters</i> , <b>2018</b> , 54, 361-363	1.1	4
211	Homodyne Digitally Assisted and Spurious-Free Mixerless Direct Carrier Modulator With High Carrier Leakage Suppression. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 1475-1488	4.1	4
210	A Negative Group Delay Microwave Circuit Based on Signal Interference Techniques. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2018</b> , 28, 290-292	2.6	43
209	A Novel Arbitrary Terminated Unequal Coupler With Bandwidth-Enhanced Positive and Negative Group Delay Characteristics. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 2170-2184	4.1	14
208	Design Methodology for Six-Port Equal/Unequal Quadrature and Rat-Race Couplers With Balanced and Unbalanced Ports Terminated by Arbitrary Resistances. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 1249-1262	4.1	25
207	Distributed Space-Time Coded CPM System with AF Scheme. <i>Arabian Journal for Science and Engineering</i> , <b>2018</b> , 43, 3115-3121	2.5	
206	A Simple Planar Dual-Band Bandpass Filter With Multiple Transmission Poles and Zeros. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2018</b> , 65, 56-60	3.5	54

205	Compact Sequential Feeding Network Using Two-Double-Sided Couplers with Quadruple Output Ports. <i>Plasmonics</i> , <b>2018</b> , 13, 293-296	2.4	1
204	Arbitrary Multi-way Parallel Mathematical Operations Based on Planar Discrete Metamaterials. <i>Plasmonics</i> , <b>2018</b> , 13, 599-607	2.4	10
203	Wideband Filtering Unbalanced-to-Balanced Independent Impedance-Transforming Power Divider With Arbitrary Power Ratio. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 4482-4496	4.1	30
202	Wideband Pattern-Reconfigurable Cone Antenna Employing Liquid-Metal Reflectors. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 916-919	3.8	20
201	A cpw-fed dual-beam shorted-patch antenna. <i>IEICE Electronics Express</i> , <b>2018</b> , 15, 20180100-20180100	0.5	1
200	Triband planar shared-aperture antenna array with similar-shaped radiation patterns. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 2284-2288	1.2	3
199	An Efficient Hybrid Diagonalization for Multiuser mmWave Massive MIMO Systems <b>2018</b> ,		5
198	Stabilized Optoelectronic Oscillator With Enlarged Frequency-Drift Compensation Range. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 1289-1292	2.2	6
197	An analytical design method for a novel dual-band filtering DC-block impedance transformer. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 233-241	1.2	
196	Reply to Comments on "An Analytical Design Method for a Novel Dual-Band Unequal Coupler With Four Arbitrary Terminated Resistances ". <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 4424-4427	8.9	1
195	Physical Layer Security of Full-Duplex Two-Way AF Relaying Networks with Optimal Relay Selection <b>2018</b> ,		2
194	LEACH-FIS: An Improved LEACH Based on Fuzzy Inference System in MWSNs <b>2018</b> ,		2
193	A Novel PAPR Reduction Algorithm Based on SLM Technique in UFMC Systems <b>2018</b> ,		3
192	An Efficient Nonlinear Companding Transform Method for PAPR Reduction of GFDM signals <b>2018</b> ,		2
191	Wideband Bandstop Filter With Extreme Sharp Skirt Selectivity. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2018</b> , 28, 1104-1106	2.6	12
190	Low complexity output generalized memory polynomial model for digital predistortion of RF power amplifiers. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2018</b> , 23, e21465	1.5	2
189	Wideband bandpass-to-all-stop reconfigurable filtering power divider with bandwidth control and all-passband isolation. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 1852-1858	1.6	12
188	A Planar Balanced-to-Balanced Power Divider With Wideband Filtering Responses and Common-Mode Suppressions. <i>IEEE Access</i> , <b>2018</b> , 6, 42057-42065	3.5	10



187	An Efficient Double-Sourced Energy Transfer Scheme for Mobility-Constrained IoT Applications. <i>IEICE Transactions on Communications</i> , <b>2018</b> , E101.B, 2213-2221	0.5	
186	Broadband dual-polarized omnidirectional antenna based on magnetic dipoles. <i>IEICE Electronics Express</i> , <b>2018</b> , 15, 20171149-20171149	0.5	1
185	Planar Compact Dual-Band Balun with Flexible Frequency Ratios. <i>Electromagnetics</i> , <b>2017</b> , 37, 64-72	0.8	1
184	Planar Miniaturized Balanced-to-Single-Ended Power Divider Based on Composite Left- and Right-Handed Transmission Lines. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2017</b> , 27, 242-244	2.6	14
183	Compact Ultrawideband Circularly Polarized Weakly Coupled Patch Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 1-1	4.9	3
182	Band-pass filtering Gysel power divider with inherent DC-block function and high all-frequency isolation. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2017</b> , 9, 1017-1021	0.8	4
181	Compact broadband circularly-polarised directional universal GNSS antenna with symmetric radiation pattern and stable near-zenith coverage. <i>IET Microwaves, Antennas and Propagation</i> , <b>2017</b> , 11, 657-663	1.6	7
180	Low Computational Complexity Digital Predistortion Based on Direct Learning With Covariance Matrix. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 4274-4284	4.1	16
179	Generalized Dual-Band Unequal Filtering Power Divider With Independently Controllable Bandwidth. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 3838-3848	4.1	51
178	High Performance Single-Ended Wideband and Balanced Bandpass Filters Loaded With Stepped-Impedance Stubs. <i>IEEE Access</i> , <b>2017</b> , 5, 5972-5981	3.5	27
177	A Universal Approach for Designing an Unequal Branch-Line Coupler With Arbitrary Phase Differences and Input/Output Impedances. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2017</b> , 7, 944-955	1.7	28
176	Dual-band balun with high isolation and flexible implementation based on three-section pi-shaped coupled lines. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 1639-1645	1.2	
175	Achievable Rate Analysis of Two-Way Full Duplex Relay with Joint Relay and Antenna Selection <b>2017</b> ,		3
174	Novel Planar Compact Coupled-Line Single-Ended-to-Balanced Power Divider. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 2953-2963	4.1	28
173	Multisite computation offloading in dynamic mobile cloud environments. <i>Science China Information Sciences</i> , <b>2017</b> , 60, 1	3.4	9
172	Dual-Band Balanced-to-Unbalanced Power Divider with Inherent Impedance Transformation. <i>Electromagnetics</i> , <b>2017</b> , 37, 127-137	0.8	3
171	Wideband Single-Ended and Differential Bandpass Filters Based on Terminated Coupled Line Structures. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 761-774	4.1	32
170	Energy-efficient microwave components for mobile communication [Guest Editorial]. <i>China Communications</i> , <b>2017</b> , 14, 19-20	3	3

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168	Impact of Probe Configurations on Maximum of Test Volume Size in 3D MIMO OTA Testing. <i>Wireless Communications and Mobile Computing</i> , <b>2017</b> , 2017, 1-9	1.9	7
167	A novel wideband planar quasi-yagi antenna loading with parasitical patches and multiple reflectors. <i>IEICE Electronics Express</i> , <b>2017</b> , 14, 20170681-20170681	0.5	1
166	An independently reconfigurable dual-mode dual-band substrate integrated waveguide filter. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179816	3.7	
165	Design of highly efficient broadband harmonic-optimised GaN power amplifier via modified simplified real frequency technique. <i>Electronics Letters</i> , <b>2017</b> , 53, 1414-1416	1.1	10
164	An optimal fair resource allocation strategy for a lightweight content-centric networking architecture <b>2017</b> ,		4
163	Dual-Band Dual-Sense Circularly Polarized Stacked Patch Antenna With a Small Frequency Ratio for UHF RFID Reader Applications. <i>IEEE Access</i> , <b>2017</b> , 5, 15260-15270	3.5	22
162	A Novel Balanced-to-Unbalanced Complex Impedance-Transforming In-Phase Power Divider. <i>IEEE Access</i> , <b>2017</b> , 5, 16205-16213	3.5	18
161	Wideband balanced-to-unbalanced filtering unequal power divider with wide stopband and isolation. <i>Electronics Letters</i> , <b>2017</b> , 53, 892-894	1.1	8
160	Systematic Crest Factor Reduction and Efficiency Enhancement of Dual-Band Power Amplifier Based Transmitters. <i>IEEE Transactions on Broadcasting</i> , <b>2017</b> , 63, 111-122	4.7	11
159	A Broadband Graphene-Based THz Coupler with Wide-Range Tunable Power-Dividing Ratios. <i>Plasmonics</i> , <b>2017</b> , 12, 1487-1492	2.4	10
158	Generalised MIT in a tri-band LNA. <i>IET Microwaves, Antennas and Propagation</i> , <b>2017</b> , 11, 294-302	1.6	3
157	Tunable Terahertz Filter-Integrated Quasi-Yagi Antenna Based on Graphene. <i>Plasmonics</i> , <b>2017</b> , 12, 811-817	1.7	7
156	Single-layer single-patch wideband dual-beam E-shaped patch antenna <b>2017</b> ,		1
155	Concurrent Dual-Band Receiver Based on Novel Six-Port Correlator for Wireless Applications. <i>IEEE Access</i> , <b>2017</b> , 5, 25826-25834	3.5	7
154	Three-dimensional high-isolated dual-band balun using double-sided parallel-strip line with inserted conductor plane. <i>Electronics Letters</i> , <b>2017</b> , 53, 1211-1213	1.1	4
153	A novel FMCW waveform for multi-target detection and the corresponding algorithm <b>2017</b> ,		4
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150	Min-interference and connectivity-oriented partially overlapped channel assignment for multi-radio multi-channel wireless mesh networks <b>2017</b> ,		2
149	Lowering the error floors of low-density parity-check codes with additional check nodes <b>2017</b> ,		2
148	Graph-Based Data Gathering Scheme in WSNs With a Mobility-Constrained Mobile Sink. <i>IEEE Access</i> , <b>2017</b> , 5, 19463-19477	3.5	19
147	A novel tri-band T-junction impedance-transforming power divider with independent power division ratios. <i>PLoS ONE</i> , <b>2017</b> , 12, e0178956	3.7	4
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143	Filtering pushpull power amplifier based on novel impedance transformers. <i>Electronics Letters</i> , <b>2016</b> , 52, 1467-1469	1.1	9
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139	Dual-Band Dual-Mode Substrate Integrated Waveguide Filters with Independently Reconfigurable TE <sub>101</sub> Resonant Mode. <i>Scientific Reports</i> , <b>2016</b> , 6, 31922	4.9	13
138	A Generalized Lossy Transmission-Line Model for Tunable Graphene-Based Transmission Lines with Attenuation Phenomenon. <i>Scientific Reports</i> , <b>2016</b> , 6, 31760	4.9	12
137	Low Feedback Sampling Rate Digital Predistortion for Wideband Wireless Transmitters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2016</b> , 64, 3528-3539	4.1	29
136	Wideband Filtering Power Divider With Ultra-Wideband Harmonic Suppression and Isolation. <i>IEEE Access</i> , <b>2016</b> , 4, 6876-6882	3.5	46
135	TerminalBooster: Collaborative Computation Offloading and Data Caching via Smart Basestations. <i>IEEE Wireless Communications Letters</i> , <b>2016</b> , 5, 612-615	5.9	12
134	Joint distribution of power and angle of arrival for three-dimensional channel model. <i>IET Communications</i> , <b>2016</b> , 10, 2096-2105	1.3	4

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132	A Novel Coupled-Line Tunable Wilkinson Power Divider With Perfect Port Match and Isolation in Wide Frequency Tuning Range. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2016</b> , 6, 917-925	1.7	15
131	An Accurate Edge Extension Formula for Calculating Resonant Frequency of Electrically Thin and Thick Rectangular Patch Antennas With and Without Air Gaps. <i>IEEE Access</i> , <b>2016</b> , 4, 2388-2397	3.5	9
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129	A Wideband Balanced-to-Unbalanced Coupled-Line Power Divider. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2016</b> , 26, 410-412	2.6	42
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125	UWB balun with complete ground based on vertically mounted planar structure. <i>Electronics Letters</i> , <b>2016</b> , 52, 405-406	1.1	7
124	Dual-Band Gysel Power Divider with Wide Frequency Ratios and Flexible Impedance Transformation. <i>Electromagnetics</i> , <b>2016</b> , 36, 123-133	0.8	6
123	A compact planar wide-band balun with high isolation based on coupled-line and composite right/left-handed transmission line. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 372-376	1.2	3
122	Dual-mode stub-loaded resonator and its applications to single- and dual-band bandpass filters. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 623-626	1.2	0
121	A Modified Band-Limited Digital Predistortion Technique for Broadband Power Amplifiers. <i>IEEE Communications Letters</i> , <b>2016</b> , 20, 1800-1803	3.8	7
120	Asymmetrical passive intermodulation distortions of memristors with mathematical behavior models. <i>AIP Advances</i> , <b>2016</b> , 6, 105305	1.5	3
119	Concept for narrow-band filtering rat-race coupler using dual-mode cross-shaped dielectric. <i>Electronics Letters</i> , <b>2016</b> , 52, 212-213	1.1	14
118	Exploiting Joint Computation Offloading and Data Caching to Enhance Mobile Terminal Performance <b>2016</b> ,		6
117	GEM: An analytic geometrical approach to fast event matching for multi-dimensional content-based publish/subscribe services <b>2016</b> ,		11
116	Graphene-based Yagi-Uda antenna with reconfigurable radiation patterns. <i>AIP Advances</i> , <b>2016</b> , 6, 065308	1.5	34

115	A novel min-cost Qos routing algorithm for SDN-based wireless mesh network <b>2016</b> ,		1
114	Modified Doherty power amplifier based on asymmetrical load matching networks <b>2016</b> ,		2
113	Single-conductor co-planar quasi-symmetry unequal power divider based on spoof surface plasmon polaritons of bow-tie cells. <i>AIP Advances</i> , <b>2016</b> , 6, 105110	1.5	47
112	Miniaturised wideband bandpass filter based on harmonic suppressed dual transmission lines. <i>Electronics Letters</i> , <b>2016</b> , 52, 734-736	1.1	6
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110	A novel three-dimensional dual-band balun with frequency-independent phase difference and complete ground. <i>HKIE Transactions</i> , <b>2016</b> , 23, 26-33	2.9	3
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96	A novel compact tunable coupled-line power divider using varactors <b>2015</b> ,		2
95	Comments on Novel Dual-Band Matching Network for Effective Design of Concurrent Dual-Band Power Amplifiers <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2015</b> , 62, 2361-2363	3.9	11
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93	A Novel Two-Dimensional Crest Factor Reduction for Performance Improvement of RF Power Amplifiers. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2015</b> , 25, 835-837	2.6	7
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88	Dual-Band Hybrid Coupler With Arbitrary Power Division Ratios Over the Two Bands. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2014</b> , 4, 1347-1358	1.7	31
87	A Novel Planar Impedance-Transforming Tight-Coupling Coupler and Its Applications to Microstrip Baluns. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2014</b> , 4, 1480-1488	1.7	18
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75	A CPW-Fed Triple-Band Planar Monopole Antenna for Internet of Things Applications <b>2014</b> ,		4
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70	Design of dual-band phase offset line with arbitrary phase shift at two operational frequencies. <i>Electronics Letters</i> , <b>2014</b> , 50, 91-93	1.1	5
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68	Automatic Modulation Recognition of Digital Signals Using CWT Based on Optimal Scales <b>2014</b> ,		10
67	Conditional error rate and combining schemes for hybrid automatic repeat request with M-pulse amplitude modulation. <i>International Journal of Communication Systems</i> , <b>2014</b> , 27, 1798-1813	1.7	
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63	Novel dual-mode circular patch bandpass filter using CSRR slot-type perturbation. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 666-670	1.2	2
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50	A Novel Dual-Band Bagley Polygon Power Divider with 2-D Configuration. <i>IEICE Transactions on Electronics</i> , <b>2011</b> , E94-C, 1594-1600	0.4	
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41	A New Design Method for Unequal Dual-Band Modified Wilkinson Power Divider. <i>Electromagnetics</i> , <b>2010</b> , 30, 269-284	0.8		3
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39	Analysis of Radiation from Microstrip <b>2009</b> ,			1
38	Adaptive Order-Decision Method for Memory Polynomial Based Predistorters <b>2009</b> ,			1
37	Triangular Memory Polynomial Predistorter <b>2009</b> ,			2
36	Reply to Comments on A Dual-Frequency Transformer for Complex Impedances With Two Unequal Sections <i>IEEE Microwave and Wireless Components Letters</i> , <b>2009</b> , 19, 603-603	2.6		1
35	A More Efficient Diffusing Update Algorithm For Loop-Free Routing <b>2009</b> ,			5
34	Enhanced ODMRP using conditioned broadcasting algorithm <b>2009</b> ,			1
33	A Hybrid Internet Gateway Discovery Scheme in Mobile Ad Hoc Networks <b>2009</b> ,			2
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19	Soft versus hard cooperative energy detection under low SNR <b>2008</b> ,		3
18	Novel Smith chart approaches to solve problems in periodic structures <b>2008</b> ,		1
17	Analysis of the omnipotent Smith chart with imaginary characteristic impedances <b>2008</b> ,		1
16	Correlation between Local Sensors in Hard Cooperative Spectrum Sensing: Beneficial or Detrimental? <b>2008</b> ,		1
15	Robust Energy Detection Based on Bayesian Estimation for Cognitive Radio <b>2008</b> ,		1
14	An extended omnipotent Smith chart with active parameters. <i>Microwave and Optical Technology Letters</i> , <b>2008</b> , 50, 896-899	1.2	5
13	Spherical representation of omnipotent Smith chart. <i>Microwave and Optical Technology Letters</i> , <b>2008</b> , 50, 2452-2455	1.2	3
12	Closed-form Analysis of Lossy Cosine-Squared Tapered Nonuniform Transmission Lines. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2008</b> , 29, 1146-1155		1
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