

# Shao Y Zheng

## List of Publications by Year in descending order

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185  
papers

3,892  
citations

109137

35  
h-index

149479

56  
g-index

185  
all docs

185  
docs citations

185  
times ranked

2345  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Low-Profile High-Gain and Wideband Filtering Antenna With Metasurface. IEEE Transactions on Antennas and Propagation, 2016, 64, 2010-2016.	3.1	253
2	Broadband Phase Shifter Using Loaded Transmission Line. IEEE Microwave and Wireless Components Letters, 2010, 20, 498-500.	2.0	146
3	A Low-Profile Stacked Dielectric Resonator Antenna With High-Gain and Wide Bandwidth. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 68-71.	2.4	124
4	A Compact Filtering Dielectric Resonator Antenna With Wide Bandwidth and High Gain. IEEE Transactions on Antennas and Propagation, 2016, 64, 3645-3651.	3.1	114
5	A Simple Decoupling Method for 5G Millimeter-Wave MIMO Dielectric Resonator Antennas. IEEE Transactions on Antennas and Propagation, 2019, 67, 2224-2234.	3.1	96
6	Design of a Low Profile and Compact Omnidirectional Filtering Patch Antenna. IEEE Access, 2017, 5, 1083-1089.	2.6	93
7	Broadband Monopolar Microstrip Patch Antenna With Shorting Vias and Coupled Ring. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 39-42.	2.4	91
8	Design of Ultrawideband High-Efficiency Extended Continuous Class-F Power Amplifier. IEEE Transactions on Industrial Electronics, 2018, 65, 4661-4669.	5.2	91
9	Wideband and Low-Profile Omnidirectional Circularly Polarized Patch Antenna. IEEE Transactions on Antennas and Propagation, 2014, 62, 4347-4351.	3.1	90
10	Broadband Filtering Dielectric Resonator Antenna With Wide Stopband. IEEE Transactions on Antennas and Propagation, 2017, 65, 2079-2084.	3.1	89
11	A Low-Profile Wideband Circularly Polarized Crossed-Dipole Antenna With Wide Axial-Ratio and Gain Beamwidths. IEEE Transactions on Antennas and Propagation, 2018, 66, 3346-3353.	3.1	89
12	Differential evolution powered by collective information. Information Sciences, 2017, 399, 13-29.	4.0	86
13	Dual-Band and Dual-Sense Omnidirectional Circularly Polarized Antenna. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 706-709.	2.4	76
14	A Flexible Dual-Band Antenna With Large Frequency Ratio and Different Radiation Properties Over the Two Bands. IEEE Transactions on Antennas and Propagation, 2018, 66, 657-667.	3.1	76
15	Broadband Efficiency-Enhanced Mutually Coupled Harmonic Postmatching Doherty Power Amplifier. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 1758-1771.	3.5	67
16	Circular Sector Patch Hybrid Coupler With an Arbitrary Coupling Coefficient and Phase Difference. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1781-1792.	2.9	66
17	Quasi-Arbitrary Phase-Difference Hybrid Coupler. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1530-1539.	2.9	65
18	Bandpass Filtering Doherty Power Amplifier With Enhanced Efficiency and Wideband Harmonic Suppression. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 337-346.	3.5	64

#	ARTICLE	IF	CITATIONS
19	An Analytical Design Method for a Novel Dual-Band Unequal Coupler With Four Arbitrary Terminated Resistances. IEEE Transactions on Industrial Electronics, 2014, 61, 5509-5516.	5.2	62
20	Wideband Circularly Polarized Dielectric Resonator Antenna With Bandpass Filtering and Wide Harmonics Suppression Response. IEEE Transactions on Antennas and Propagation, 2017, 65, 2096-2101.	3.1	62
21	A Low-Profile Wideband Circularly Polarized Crossed-Dipole Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2126-2129.	2.4	60
22	Compact Filtering Rat-Race Hybrid With Wide Stopband. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2550-2560.	2.9	55
23	Design of Wideband Circularly Polarized Antenna Using Coupled Rotated Vertical Metallic Plates. IEEE Transactions on Antennas and Propagation, 2018, 66, 42-49.	3.1	49
24	Postmatching Doherty Power Amplifier With Extended Back-Off Range Based on Self-Generated Harmonic Injection. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1951-1963.	2.9	49
25	Center-Fed Unilateral and Pattern Reconfigurable Planar Antennas With Slotted Ground Plane. IEEE Transactions on Antennas and Propagation, 2018, 66, 5139-5149.	3.1	48
26	New Dual-/Tri-Band Bandpass Filters and Diplexer With Large Frequency Ratio. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2978-2992.	2.9	46
27	High-Isolation and Wide-Stopband SIW Diplexer Using Mixed Electric and Magnetic Coupling. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 32-36.	2.2	43
28	Dual-Band Rectangular Patch Hybrid Coupler. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1721-1728.	2.9	39
29	Design of Dual-Band Omnidirectional Cylindrical Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 710-713.	2.4	39
30	Differential RF Phase Shifter With Harmonic Suppression. IEEE Transactions on Industrial Electronics, 2014, 61, 2891-2899.	5.2	39
31	A Compact Quasi-Isotropic Shorted Patch Antenna. IEEE Access, 2017, 5, 2771-2778.	2.6	39
32	An Electrically Small Planar Quasi-Isotropic Antenna. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 303-306.	2.4	39
33	Mutual Coupling Reduction in MIMO Microstrip Patch Array Using $TM_{10}$ and $TM_{02}$ Modes. IEEE Transactions on Antennas and Propagation, 2021, 69, 7562-7571.	3.1	39
34	Novel Time-Domain Schottky Diode Modeling for Microwave Rectifier Designs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1234-1244.	3.5	37
35	Size-Reduced Rectangular Patch Hybrid Coupler Using Patterned Ground Plane. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 180-188.	2.9	36
36	A Singly-Fed Dual-Band Microstrip Antenna for Microwave and Millimeter-Wave Applications in 5G Wireless Communication. IEEE Transactions on Vehicular Technology, 2021, 70, 5419-5430.	3.9	36

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37	Dual-Band Hybrid Coupler With Arbitrary Power Division Ratios Over the Two Bands. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 1347-1358.	1.4	35
38	Differential Evolution Algorithm With Two-Step Subpopulation Strategy and Its Application in Microwave Circuit Designs. IEEE Transactions on Industrial Informatics, 2016, 12, 911-923.	7.2	35
39	A Wideband Tunable Reflection-Type Phase Shifter With Wide Relative Phase Shift. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1442-1446.	2.2	35
40	Periodic Triangle-Truncated DSPSL-Based Antenna With Backfire to Endfire Beam-Scanning Capacity. IEEE Transactions on Antennas and Propagation, 2017, 65, 845-849.	3.1	35
41	Design of Low Mutual Coupling Dielectric Resonator Antennas Without Using Extra Decoupling Element. IEEE Transactions on Antennas and Propagation, 2021, 69, 7377-7385.	3.1	34
42	Frequency-Agile Patch Element Using Varactor Loaded Patterned Ground Plane. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 619-626.	2.9	32
43	Novel Multi-way Broadband Differential Phase Shifter With Uniform Reference Line Using Coupled Line Structure. IEEE Microwave and Wireless Components Letters, 2015, 25, 166-168.	2.0	32
44	A Compact Broadband Circularly Polarized Crossed-Dipole Antenna With a Very Low Profile. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2130-2134.	2.4	32
45	A Compact Millimeter-Wave Patch Quadrature Coupler With a Wide Range of Coupling Coefficients. IEEE Microwave and Wireless Components Letters, 2016, 26, 165-167.	2.0	31
46	Simultaneous Phase- and Frequency-Tunable Hybrid Coupler. IEEE Transactions on Industrial Electronics, 2017, 64, 8088-8097.	5.2	31
47	Design of Broadband Hybrid Coupler With Tight Coupling Using Jumping Gene Evolutionary Algorithm. IEEE Transactions on Industrial Electronics, 2009, 56, 2987-2991.	5.2	30
48	A High-Efficiency Rectifier With Ultra-Wide Input Power Range Based on Cooperative Structure. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4524-4533.	2.9	30
49	Design of an Ultra-Wideband High-Efficiency Rectifier for Wireless Power Transmission and Harvesting Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 3334-3342.	7.2	30
50	Design of Series-Fed, Single-Layer, and Wideband Millimeter-Wave Microstrip Arrays. IEEE Transactions on Antennas and Propagation, 2020, 68, 7017-7026.	3.1	30
51	A Mixed Topology for Broadband High-Efficiency Doherty Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1050-1064.	2.9	29
52	Design of Balanced Filtering Components Based on Isosceles Right-Angled Triangular Patch. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 736-744.	1.4	28
53	Reconfigurable RF Quadrature Patch Hybrid Coupler. IEEE Transactions on Industrial Electronics, 2012, , 1-1.	5.2	27
54	An Efficient Multiple Variants Coordination Framework for Differential Evolution. IEEE Transactions on Cybernetics, 2017, 47, 2780-2793.	6.2	27

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55	A Universal Reference Line-Based Differential Phase Shifter Structure With Simple Design Formulas. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 123-130.	1.4	27
56	Multi-Way and Poly-Phase Aligned Feed-Forward Differential Phase Shifters. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1312-1321.	2.9	25
57	Singly-Fed Wideband $45^\circ$ Slant-Polarized Omnidirectional Antennas. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1445-1448.	2.4	24
58	Multi-layer competitive-cooperative framework for performance enhancement of differential evolution. Information Sciences, 2019, 482, 86-104.	4.0	24
59	A Coupled Line-Based Coupler With Simultaneously Tunable Phase and Frequency. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4637-4647.	3.5	23
60	Design of a Compact Wideband Butler Matrix Using Vertically Installed Planar Structure. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 1420-1430.	1.4	22
61	Coupling Coefficient Reconfigurable Wideband Branch-Line Coupler Topology With Harmonic Suppression. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1912-1920.	2.9	21
62	Compact Phase-Reconfigurable Couplers With Wide Tuning Range. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 681-692.	2.9	21
63	An Equal-Length Multiway Differential Metamaterial Phase Shifter. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 136-146.	2.9	18
64	A Planar Angled-Dipole Antenna With Quasi-Isotropic Radiation Pattern. IEEE Transactions on Antennas and Propagation, 2020, 68, 5646-5651.	3.1	17
65	A Wideband Switched-Beam Antenna Array Fed by Compact Single-Layer Butler Matrix. IEEE Transactions on Antennas and Propagation, 2021, 69, 5130-5135.	3.1	17
66	Electrically Small, Planar, Horizontally Polarized Dual-Band Omnidirectional Antenna and Its Application in a MIMO System. IEEE Transactions on Antennas and Propagation, 2021, 69, 5345-5355.	3.1	17
67	Broadband 3dB hybrid coupler with flat coupling designed by Jumping Genes Evolutionary Algorithm. , 2008, , .		16
68	A Frequency Tunable Quadrature Coupler With Wide Tuning Range of Center Frequency and Wide Operating Bandwidth. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 864-868.	2.2	16
69	Decomposition-based multi-objective evolutionary algorithm with mating neighborhood sizes and reproduction operators adaptation. Soft Computing, 2017, 21, 6381-6392.	2.1	15
70	Design of Single-Layer Polarization-Dependent Transmissive and Reflective Focusing Metasurface. IEEE Transactions on Antennas and Propagation, 2021, 69, 7637-7646.	3.1	15
71	Highly Reconfigurable Dual-Band Coupler With Independently Tunable Operating Frequencies. IEEE Transactions on Industrial Electronics, 2019, 66, 3615-3626.	5.2	14
72	A Wireless Power Transmitter With Uniform Power Transfer Coverage. IEEE Transactions on Industrial Electronics, 2021, 68, 10709-10717.	5.2	14

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73	Adaptive strategy in differential evolution via explicit exploitation and exploration controls. <i>Applied Soft Computing Journal</i> , 2021, 107, 107494.	4.1	14
74	An RFID Multicriteria Coarse- and Fine-Space Tag Antenna Design. <i>IEEE Transactions on Industrial Electronics</i> , 2011, 58, 2522-2530.	5.2	13
75	An Approximate Circuit Model to Analyze Microstrip Rampart Line in OSB Suppressing. <i>IEEE Access</i> , 2019, 7, 90412-90417.	2.6	13
76	Selective-candidate framework with similarity selection rule for evolutionary optimization. <i>Swarm and Evolutionary Computation</i> , 2020, 56, 100696.	4.5	13
77	Frequency-Reconfigurable Dielectric Patch Antenna With Bandwidth Enhancement. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 2510-2519.	3.1	13
78	Mode-Counteraction Based Self-Decoupling in Circularly Polarized MIMO Microstrip Patch Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 9337-9346.	3.1	12
79	A Nonbalancing End-Fire Microstrip Dipole With Periodic-Offset DSPSL Substrate. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 2661-2665.	3.1	10
80	An Ultrawideband High-Efficiency Rectifier Based on Harmonic Feedback Topology. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 7974-7983.	5.2	10
81	Analytical Design Method and Implementation of Broadband 4 × 4 Nolen Matrix. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022, 70, 343-355.	2.9	10
82	Method of Auxiliary Sources for Analyzing Half-Mode Substrate Integrated Waveguide. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014, 13, 1043-1046.	2.4	9
83	Population recombination strategies for multi-objective particle swarm optimization. <i>Soft Computing</i> , 2017, 21, 4693-4705.	2.1	9
84	Enhancing differential evolution with interactive information. <i>Soft Computing</i> , 2018, 22, 7919-7938.	2.1	9
85	Novel Tri-Band High-Temperature Superconducting Bandpass Filters Using Asymmetric Shunted-Line Stepped-Impedance Resonator (SLSIR). <i>IEEE Access</i> , 2019, 7, 32504-32509.	2.6	9
86	Highly Reconfigurable Dual-Band Coupler With Independently Tunable Frequency and Coupling Coefficient at the Lower Band. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 2408-2416.	5.2	9
87	A Gain-Enhanced Tri-Band Microstrip Square Antenna With Consistent Radiation Patterns by Manipulating Its Higher Order Modes. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 1987-1992.	3.1	8
88	The Design of Miniaturized Planar Endfire Antenna With Enhanced Front-to-Back Ratio. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 7190-7195.	3.1	8
89	Compact Dual-Band Wilkinson Power Divider Design Using Via-Free D-CRLH Resonators for Beidou Navigation Satellite System. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 65-69.	2.2	8
90	A Tapered Continuous-Element Leaky-Wave Antenna With Pure Radiation Pattern. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1804-1808.	2.4	8

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91	High-Order Balanced Dual-Band HTS BPF With Flexible Frequency Ratio and Sharp Rejection Skirts. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2185-2195.	2.9	8
92	A jumping genes inspired multi-objective differential evolution algorithm for microwave components optimization problems. Applied Soft Computing Journal, 2017, 59, 276-287.	4.1	7
93	Vias and Stubs Loaded Patch and Its Applications in Filter and Rectifier Designs. IEEE Access, 2017, 5, 7042-7054.	2.6	7
94	Broadband High Efficiency Post-matching Doherty Power Amplifier Based on Mixed-Topology. , 2018, , .		7
95	Collective information-based teachingâ€œlearning-based optimization for global optimization. Soft Computing, 2019, 23, 11851-11866.	2.1	7
96	A Self-Matched Multi-Band Rectifier for Efficient Electromagnetic Energy Harvesting. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 4556-4565.	3.5	7
97	A Multibeam Ambient Electromagnetic Energy Harvester With Full Azimuthal Coverage. IEEE Internet of Things Journal, 2022, 9, 8925-8934.	5.5	7
98	A Tri-Band Patch Antenna With Dual Rampart Line Structure. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 793-797.	2.4	7
99	Compact Butler Matrix using size reduced elements. Microwave and Optical Technology Letters, 2007, 49, 1519-1521.	0.9	6
100	Efficiency enhanced post-matching Doherty power amplifier based on modified phase compensation network. , 2017, , .		6
101	Wideband arbitrary phaseâ€œdifference coupledâ€œline coupler with tight coupling coefficient and small phase variation. IET Microwaves, Antennas and Propagation, 2018, 12, 2356-2363.	0.7	6
102	Restart based Collective Information Powered Differential Evolution for Solving the 100-Digit Challenge on Single Objective Numerical Optimization. , 2019, , .		6
103	A Periodic Mirror-Reflected Circular-Polarized Leaky Wave Antenna With Dual-Beam Scanning in Dual Polarization Types. IEEE Transactions on Antennas and Propagation, 2022, 70, 3034-3039.	3.1	6
104	A New Class of Components for Simultaneous Power Splitting Over Microwave and Millimeter-Wave Frequency Bands. IEEE Access, 2018, 6, 146-158.	2.6	5
105	A phase tunable hybrid coupler with enhanced bandwidth. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21779.	0.8	5
106	Periodic Fixed-Frequency Staggered Line Leaky Wave Antenna With Wide-Range Beam Scanning Capacity. IEEE Access, 2019, 7, 146693-146701.	2.6	5
107	A Patch Antenna Coupling of Periodic Leak-Wave Structure With Tri-Frequency Capability. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 98-102.	2.4	5
108	Simultaneous frequency- and coupling coefficient-reconfigurable quadrature coupler. Journal of Electromagnetic Waves and Applications, 2016, 30, 2355-2364.	1.0	4

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109	Tight Coupling Dual-Band Coupler With Large Frequency Ratio and Arbitrary Power Division Ratios Over Two Bands. IEEE Access, 2019, 7, 184489-184499.	2.6	4
110	Design of a Sixth-Order Switchable Superconducting Balanced Filter Using Asymmetric Coupled SIRs. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	4
111	The Periodic Leaky-Wave Antenna With Different Unit Cells Based on Consistent Fundamental Mode. IEEE Transactions on Antennas and Propagation, 2020, 68, 7794-7802.	3.1	4
112	A $\epsilon$ -scanning Luneburg lens antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	0.8	4
113	A compact patch crossover for millimeter-wave applications. , 2015, , .		3
114	Compact band pass filter with controllable bandwidth based on low radiation spurâ€line defected ground structure. Microwave and Optical Technology Letters, 2016, 58, 2966-2968.	0.9	3
115	A wideband 3 decibels arbitrary phase difference branch line coupler. Microwave and Optical Technology Letters, 2018, 60, 1300-1304.	0.9	3
116	A Dual-Band Antenna accross Microwave and Millimeter-wave Frequency Bands. , 2018, , .		3
117	Broadband Doherty power amplifier with improved bandâ€pass auxiliary network. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21947.	0.8	3
118	A Multi-Frequency Patch Antenna With Double Sided Parallel Strip Line Periodic Structure. IEEE Access, 2020, 8, 101672-101681.	2.6	3
119	The Periodic MLWA With Non-Uniform Aspect Ratios Based on Trapezoid DSPSL With Back-Firing to End-Firing Beam-Scanning Capacity. IEEE Open Journal of Antennas and Propagation, 2020, 1, 20-25.	2.5	3
120	Design of wideband/dualâ€band bandpass filter using a vias and slots loaded sector circular patch resonator. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22681.	0.8	3
121	A Programmable Reconfigurable Two-Port Half-Loop Antenna Concept for mmWave Wireless Applications. IEEE Open Journal of Antennas and Propagation, 2022, 3, 594-603.	2.5	3
122	Broad band CBCPW phase shifter optimized with Jumping Genes Evolutionary Algorithm. , 2008, , .		2
123	Dualâ€band hybrid coupler with extended bandwidth. Microwave and Optical Technology Letters, 2010, 52, 2095-2098.	0.9	2
124	A new Marchand balun with harmonic suppression. , 2014, , .		2
125	A millimeter-wave bandpass filter and balun filter based on circular sector patch. , 2015, , .		2
126	A compact patch quadrature coupler with enhanced bandwidth and harmonic suppression. , 2015, , .		2



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127	Patch crossover with bandpass filtering function. Microwave and Optical Technology Letters, 2016, 58, 301-304.	0.9	2
128	A Dual-band Filtering Antenna with Different Polarizations over Two Bands. , 2019, , .		2
129	A Dual-band High-efficiency Power Amplifier with Small Frequency Ratio. , 2019, , .		2
130	Coupling Enhanced Single-layer Couplers Based on Multi-section Coupled-line Sections. , 2019, , .		2
131	Simultaneous Frequency and Coupling Coefficient Reconfigurable Hybrid Coupler. , 2019, , .		2
132	Flexible millimeter-wave Butler matrix based on the low-loss substrate integrated suspended line patch hybrid coupler with arbitrary phase difference and coupling coefficient. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22652.	0.8	2
133	A Dual-band Filtering Antenna with a Large Frequency Ratio. , 2020, , .		2
134	A High-Efficiency Broadband Rectifier with Wide Input Power Range. , 2021, , .		2
135	A Gain-Enhanced Patch Antenna With a Periodic Microstrip Rampart Line. IEEE Open Journal of Antennas and Propagation, 2022, 3, 83-88.	2.5	2
136	A Compact Switched Dual-Beam Antenna Array with High Gain. , 2021, , .		2
137	Differential Evolution with Fusion of Local and Global Search Strategies. Journal of Computational Science, 2022, , 101746.	1.5	2
138	Broadband Butler Matrix optimized using Jumping Genes Evolutionary Algorithm. , 2008, , .		1
139	Novel millimeter-wave bandpass filter using discriminating coupling for fundamental mode suppression. , 2014, , .		1
140	Wide band balun filter using open/shorted coupled line sections. Microwave and Optical Technology Letters, 2015, 57, 1099-1101.	0.9	1
141	Shorting posts loaded patch coupler with enhanced bandwidth and extended coupling coefficient range. Microwave and Optical Technology Letters, 2016, 58, 683-688.	0.9	1
142	Bandpass filtering 180° patch coupler with wide suppression band. , 2016, , .		1
143	A bandpass filtering balun based on circular sector patch. , 2016, , .		1
144	Reply to "Comments on "An Analytical Design Method for a Novel Dual-Band Unequal Coupler With Four Arbitrary Terminated Resistances" IEEE Transactions on Industrial Electronics, 2018, 65, 4424-4427.	5.2	1

#	ARTICLE	IF	CITATIONS
145	Dual-Band Bandpass Filter with Large Frequency Ratio and Independently Tunable Center Frequencies. , 2019, , .		1
146	Simultaneous Optimization of Material Selection and Structure for Antenna Design using Differential Evolution Algorithm. , 2019, , .		1
147	Differential Evolution Optimization Algorithm for Antenna Designs with Mixed Discrete-Continuous Variables. , 2019, , .		1
148	A Low-profile Omnidirectional Dielectric Resonator Antenna with Enhanced Bandwidth. , 2020, , .		1
149	Improved Reference Vector Guided Differential Evolution Algorithm for Many-Objective Optimization. , 2020, , .		1
150	A Millimeter-Wave Bandpass Filter Based on Substrate Integrated Dielectric Resonator. , 2021, , .		1
151	A uniform reference line based differential phase shifter with wide phase range and wide bandwidth. China Communications, 2022, 19, 102-111.	2.0	1
152	An Ultra-Wideband Differential Phase Shifter Based on Transversal Signal-Interaction Concept. , 2020, , .		1
153	A Novel Multimode Dielectric Resonator Filter without Shielding. , 2021, , .		1
154	A Wideband 3 x 3 Nolen Matrix With Flat Phase Differences. , 2021, , .		1
155	Design of a Compact Dielectric Resonator Antenna with Flat-top Radiation Pattern. , 2021, , .		1
156	A Compact Cylinder Luneburg Lens Antenna with Wide Scanning Range. , 2021, , .		1
157	Distributed power amplifier/feedback low noise amplifier switch-less front-end. Microwave and Optical Technology Letters, 2006, 48, 1659-1662.	0.9	0
158	Reconfigurable top loaded monopole antenna with wideband tuning. , 2008, , .		0
159	Dual-band hybrid coupler with source to load impedance matching. Microwave and Optical Technology Letters, 2010, 52, 2515-2519.	0.9	0
160	Wideband patch directional coupler based on non-uniform mushroom structure. Electronics Letters, 2015, 51, 262-264.	0.5	0
161	Novel compact balun based on slotted square patch. , 2016, , .		0
162	A triple-band microstrip antenna using a 1/8 annular sector patch with slots and vias. , 2016, , .		0

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163	Circuit applications of patch elements. , 2016, , .		0
164	Coupling coefficient reconfigurable quadrature coupler based on mechanical switches. Journal of Electromagnetic Waves and Applications, 2017, 31, 1566-1582.	1.0	0
165	Bandpass filtering coupler based on dual-mode dielectric resonators. , 2017, , .		0
166	Corrections to "Compact Filtering Rat-Race Hybrid With Wide Stopband" [Aug 15 2550-2560]. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1142-1143.	2.9	0
167	An Arbitrary Phase-Difference Hybrid Coupler with Enhanced Bandwidth. , 2018, , .		0
168	A Frequency Tunable Patch Bandpass Filter With Wide Tuning Range. , 2018, , .		0
169	New Applications of Vertically Installed Planar Structure. , 2018, , .		0
170	A Switched-beam Substrate-Integrated Dielectric Resonator Antenna without Beamforming Network. , 2018, , .		0
171	Dielectric Coupler with Bandpass Filtering Response. , 2018, , .		0
172	Design of A Self-diplexing Dielectric Resonator Antenna. , 2019, , .		0
173	A Fault-Tolerant Wideband Amplifier Based on Distributed Amplification Topology. IEEE Transactions on Industrial Electronics, 2020, 67, 4516-4526.	5.2	0
174	A Metallic Shield-free Tri-mode Dielectric Resonator Filter. , 2021, , .		0
175	Axial-Ratio Beamwidth and Bandwidth Enhanced Circularly Polarized Dielectric Resonator Antenna. , 2020, , .		0
176	A Single-Element Beam-Steering Dielectric Resonator Antenna Based on Metal Via Decoupling. , 2020, , .		0
177	A Highly Reconfigurable Coupler with Tunable Frequency, Phase Difference and Coupling Coefficient Based on Circular Patch. , 2020, , .		0
178	Differential Evolution Optimization Algorithm for Electromagnetic Device Design with High-dimensional Mixed Discrete-Continuous Variables. , 2020, , .		0
179	Recent Developments and Future Challenges of Differential Phase Shifters. , 2020, , .		0
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