Shao Y Zheng

List of Publications by Year
in descending order

185 papers	3,892 citations	109321 35 h-index	149698 56 g-index
185 all docs	185 docs citations	185 times ranked	2345 citing authors

#	Article	IF	Citations
1	Compact Dual-Band Wilkinson Power Divider Design Using Via-Free D-CRLH Resonators for Beidou Navigation Satellite System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 65-69.	3.0	8
2	An Ultrawideband High-Efficiency Rectifier Based on Harmonic Feedback Topology. IEEE Transactions on Industrial Electronics, 2022, 69, 7974-7983.	7.9	10
3	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.	5.1	6
4	A Multibeam Ambient Electromagnetic Energy Harvester With Full Azimuthal Coverage. IEEE Internet of Things Journal, 2022, 9, 8925-8934.	8.7	7
5	Analytical Design Method and Implementation of Broadband 4 Ã— 4 Nolen Matrix. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 343-355.	4.6	10
6	Frequency-Reconfigurable Dielectric Patch Antenna With Bandwidth Enhancement. IEEE Transactions on Antennas and Propagation, 2022, 70, 2510-2519.	5.1	13
7	A uniform reference line based differential phase shifter with wide phase range and wide bandwidth. China Communications, 2022, 19, 102-111.	3.2	1
8	A Tri-Band Patch Antenna With Dual Rampart Line Structure. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 793-797.	4.0	7
9	A Gain-Enhanced Patch Antenna With a Periodic Microstrip Rampart Line. IEEE Open Journal of Antennas and Propagation, 2022, 3, 83-88.	3.7	2
10	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.	4.6	8
11	A <scp>wideâ€angle</scp> scanning Luneburg lens antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	4
12	A Programmable Reconfigurable Two-Port Half-Loop Antenna Concept for mmWave Wireless Applications. IEEE Open Journal of Antennas and Propagation, 2022, 3, 594-603.	3.7	3
13	Mode-Counteraction Based Self-Decoupling in Circularly Polarized MIMO Microstrip Patch Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 9337-9346.	5.1	12
14	A Beam-Scanning Printed Dipole Antenna Fed by A Rectangular Patch with Periodic Structures. IEEE Antennas and Wireless Propagation Letters, 2022, , 1-5.	4.0	0
15	Differential Evolution with Fusion of Local and Global Search Strategies. Journal of Computational Science, 2022, , 101746.	2.9	2
16	Highly Reconfigurable Dual-Band Coupler With Independently Tunable Frequency and Coupling Coefficient at the Lower Band. IEEE Transactions on Industrial Electronics, 2021, 68, 2408-2416.	7.9	9
17	A Wireless Power Transmitter With Uniform Power Transfer Coverage. IEEE Transactions on Industrial Electronics, 2021, 68, 10709-10717.	7.9	14
18	A Patch Antenna Coupling of Periodic Leak-Wave Structure With Tri-Frequency Capability. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 98-102.	4.0	5

#	Article	IF	Citations
19	Mutual Coupling Reduction in MIMO Microstrip Patch Array Using TM₁₀ and TM₀₂ Modes. IEEE Transactions on Antennas and Propagation, 2021, 69, 7562-7571.	5.1	39
20	Design of Low Mutual Coupling Dielectric Resonator Antennas Without Using Extra Decoupling Element. IEEE Transactions on Antennas and Propagation, 2021, 69, 7377-7385.	5.1	34
21	A Self-Matched Multi-Band Rectifier for Efficient Electromagnetic Energy Harvesting. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 4556-4565.	5.4	7
22	Flexible <scp>millimeterâ€wave</scp> Butler matrix based on the lowâ€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.	1.2	2
23	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.	1.2	3
24	AMetallic Shield-free Tri-mode Dielectric Resonator Filter. , 2021, , .		0
25	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.	6.3	36
26	A Wideband Switched-Beam Antenna Array Fed by Compact Single-Layer Butler Matrix. IEEE Transactions on Antennas and Propagation, 2021, 69, 5130-5135.	5.1	17
27	Adaptive strategy in differential evolution via explicit exploitation and exploration controls. Applied Soft Computing Journal, 2021, 107, 107494.	7.2	14
28	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.	5.1	17
29	A Tapered Continuous-Element Leaky-Wave Antenna With Pure Radiation Pattern. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1804-1808.	4.0	8
30	Design of Single-Layer Polarization-Dependent Transmissive and Reflective Focusing Metasurface. IEEE Transactions on Antennas and Propagation, 2021, 69, 7637-7646.	5.1	15
31	A Millimeter-Wave Bandpass Filter Based on Substrate Integrated Dielectric Resonator. , 2021, , .		1
32	A Novel Multimode Dielectric Resonator Filter without Shielding. , 2021, , .		1
33	A Wideband 3 x 3 Nolen Matrix With Flat Phase Differences. , 2021, , .		1
34	Compact Filtering Dielectric Resonator Antenna With Quasi-Isotropic Radiation Pattern. , 2021, , .		0
35	Ultrathin Spoof Surface Plasmons Polaritons Antenna with Flat-Top Radiation Patterns. , 2021, , .		0
36	A High-Efficiency Broadband Rectifier with Wide Input Power Range. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
37	Design of a Compact Dielectric Resonator Antenna with Flat-top Radiation Pattern. , 2021, , .		1
38	A Compact Switched Dual-Beam Antenna Array with High Gain. , 2021, , .		2
39	A Broadband Rectifier With a Frequency-selective Adaptive Power Range. , 2021, , .		0
40	A Compact Cylinder Luneburg Lens Antenna with Wide Scanning Range. , 2021, , .		1
41	A Tri-band patch antenna with Rampart Line Structure. , 2021, , .		0
42	Backward to Forward Scanning Periodic Leaky-Wave Antenna with Eliminated Reflected Side Lobe. , 2021, , .		0
43	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.	3.0	43
44	A Fault-Tolerant Wideband Amplifier Based on Distributed Amplification Topology. IEEE Transactions on Industrial Electronics, 2020, 67, 4516-4526.	7.9	0
45	Design of Series-Fed, Single-Layer, and Wideband Millimeter-Wave Microstrip Arrays. IEEE Transactions on Antennas and Propagation, 2020, 68, 7017-7026.	5.1	30
46	A Low-profile Omnidirectional Dielectric Resonator Antenna with Enhanced Bandwidth. , 2020, , .		1
47	A Multi-Frequency Patch Antenna With Double Sided Parallel Strip Line Periodic Structure. IEEE Access, 2020, 8, 101672-101681.	4.2	3
48	The Periodic Leaky-Wave Antenna With Different Unit Cells Based on Consistent Fundamental Mode. IEEE Transactions on Antennas and Propagation, 2020, 68, 7794-7802.	5.1	4
49	Compact Phase-Reconfigurable Couplers With Wide Tuning Range. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 681-692.	4.6	21
50	A Planar Angled-Dipole Antenna With Quasi-Isotropic Radiation Pattern. IEEE Transactions on Antennas and Propagation, 2020, 68, 5646-5651.	5.1	17
51	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.	3.7	3
52	The Design of Miniaturized Planar Endfire Antenna With Enhanced Front-to-Back Ratio. IEEE Transactions on Antennas and Propagation, 2020, 68, 7190-7195.	5.1	8
53	Selective-candidate framework with similarity selection rule for evolutionary optimization. Swarm and Evolutionary Computation, 2020, 56, 100696.	8.1	13
54	A Dual-band Filtering Antenna with a Large Frequency Ratio. , 2020, , .		2

#	Article	IF	Citations
55	Axial-Ratio Beamwidth and Bandwidth Enhanced Circularly Polarized Dielectric Resonator Antenna. , 2020, , .		0
56	A Single-Element Beam-Steering Dielectric Resonator Antenna Based on Metal Via Decoupling. , 2020, , .		0
57	A Highly Reconfigurable Coupler with Tunable Frequency, Phase Difference and Coupling Coefficient Based on Circular Patch. , 2020, , .		0
58	Differential Evolution Optimization Algorithm for Electromagnetic Device Design with High-dimensional Mixed Discrete-Continuous Variables. , 2020, , .		0
59	Recent Developments and Future Challenges of Differential Phase Shifters. , 2020, , .		0
60	Improved Reference Vector Guided Differential Evolution Algorithm for Many-Objective Optimization. , 2020, , .		1
61	An Ultra-Wideband Differential Phase Shifter Based on Transversal Signal-Interaction Concept. , 2020, , .		1
62	Highly Reconfigurable Dual-Band Coupler With Independently Tunable Operating Frequencies. IEEE Transactions on Industrial Electronics, 2019, 66, 3615-3626.	7.9	14
63	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.	4.6	30
64	Restart based Collective Information Powered Differential Evolution for Solving the 100-Digit Challenge on Single Objective Numerical Optimization. , 2019, , .		6
65	A Dual-band Filtering Antenna with Different Polarizations over Two Bands. , 2019, , .		2
66	A phase tunable hybrid coupler with enhanced bandwidth. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21779.	1.2	5
67	An Approximate Circuit Model to Analyze Microstrip Rampart Line in OSB Suppressing. IEEE Access, 2019, 7, 90412-90417.	4.2	13
68	Broadband Doherty power amplifier with improved bandâ€pass auxiliary network. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21947.	1.2	3
69	Periodic Fixed-Frequency Staggered Line Leaky Wave Antenna With Wide-Range Beam Scanning Capacity. IEEE Access, 2019, 7, 146693-146701.	4.2	5
70	A Simple Decoupling Method for 5G Millimeter-Wave MIMO Dielectric Resonator Antennas. IEEE Transactions on Antennas and Propagation, 2019, 67, 2224-2234.	5.1	96
71	A Coupled Line-Based Coupler With Simultaneously Tunable Phase and Frequency. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4637-4647.	5.4	23
72	A Dual-band High-efficiency Power Amplifier with Small Frequency Ratio. , 2019, , .		2

#	Article	IF	Citations
73	Coupling Enhanced Single-layer Couplers Based on Multi-section Coupled-line Sections. , 2019, , .		2
74	Dual-Band Bandpass Filter with Large Frequency Ratio and Independently Tunable Center Frequencies. , 2019, , .		1
75	Simultaneous Optimization of Material Selection and Structure for Antenna Design using Differential Evolution Algorithm. , 2019, , .		1
76	A Compact Broadband Circularly Polarized Crossed-Dipole Antenna With a Very Low Profile. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2130-2134.	4.0	32
77	Collective information-based teachingâ€“learning-based optimization for global optimization. Soft Computing, 2019, 23, 11851-11866.	3.6	7
78	A Mixed Topology for Broadband High-Efficiency Doherty Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1050-1064.	4.6	29
79	Novel Tri-Band High-Temperature Superconducting Bandpass Filters Using Asymmetric Shunted-Line Stepped-Impedance Resonator (SLSIR). IEEE Access, 2019, 7, 32504-32509.	4.2	9
80	Design of A Self-diplexing Dielectric Resonator Antenna. , 2019, , .		0
81	Differential Evolution Optimization Algorithm for Antenna Designs with Mixed Discrete-Continuous Variables. , 2019, , .		1
82	Tight Coupling Dual-Band Coupler With Large Frequency Ratio and Arbitrary Power Division Ratios Over Two Bands. IEEE Access, 2019, 7, 184489-184499.	4.2	4
83	Simultaneous Frequency and Coupling Coefficient Reconfigurable Hybrid Coupler. , 2019, , .		2
84	Design of a Sixth-Order Switchable Superconducting Balanced Filter Using Asymmetric Coupled SIRs. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	4
85	A Gain-Enhanced Tri-Band Microstrip Square Antenna With Consistent Radiation Patterns by Manipulating Its Higher Order Modes. IEEE Transactions on Antennas and Propagation, 2019, 67, 1987-1992.	5.1	8
86	Multi-layer competitive-cooperative framework for performance enhancement of differential evolution. Information Sciences, 2019, 482, 86-104.	6.9	24
87	Design of Balanced Filtering Components Based on Isosceles Right-Angled Triangular Patch. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 736-744.	2.5	28
88	Design of an Ultra-Wideband High-Efficiency Rectifier for Wireless Power Transmission and Harvesting Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 3334-3342.	11.3	30
89	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.	3.0	16
90	A wideband 3 decibels arbitrary phase difference branch line coupler. Microwave and Optical Technology Letters, 2018, 60, 1300-1304.	1.4	3

#	ARTICLE	IF	CITATIONS
91	Coupling Coefficient Reconfigurable Wideband Branch-Line Coupler Topology With Harmonic Suppression. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1912-1920.	4.6	21
92	A New Class of Components for Simultaneous Power Splitting Over Microwave and Millimeter-Wave Frequency Bands. IEEE Access, 2018, 6, 146-158.	4.2	5
93	An Electrically Small Planar Quasi-Isotropic Antenna. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 303-306.	4.0	39
94	Design of Ultrawideband High-Efficiency Extended Continuous Class-F Power Amplifier. IEEE Transactions on Industrial Electronics, 2018, 65, 4661-4669.	7.9	91
95	Design of Wideband Circularly Polarized Antenna Using Coupled Rotated Vertical Metallic Plates. IEEE Transactions on Antennas and Propagation, 2018, 66, 42-49.	5.1	49
96	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.	4.6	49
97	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.	5.1	76
98	Novel Time-Domain Schottky Diode Modeling for Microwave Rectifier Designs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1234-1244.	5.4	37
99	Corrections to â€œcCmpact Filtering Rat-Race Hybrid With Wide Stopbandâ€•[Aug 15 2550-2560]. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1142-1143.	4.6	0
100	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.	5.1	89
101	Enhancing differential evolution with interactive information. Soft Computing, 2018, 22, 7919-7938.	3.6	9
102	Reply to â€œComments on â€˜An Analytical Design Method for a Novel Dual-Band Unequal Coupler With Four Arbitrary Terminated Resistancesâ€™â€• IEEE Transactions on Industrial Electronics, 2018, 65, 4424-4427.	7.9	1
103	An Arbitrary Phase-Difference Hybrid Coupler with Enhanced Bandwidth. , 2018, , .		0
104	A Frequency Tunable Patch Bandpass Filter With Wide Tuning Range. , 2018, , .		0
105	New Applications of Vertically Installed Planar Structure. , 2018, , .		0
106	A Switched-beam Substrate-Integrated Dielectric Resonator Antenna without Beamforming Network. , 2018, , .		0
107	A Dual-Band Antenna accross Microwave and Millimeter-wave Frequency Bands. , 2018, , .		3
108	Dielectric Coupler with Bandpass Filtering Response. , 2018, , .		0

#	Article	IF	Citations
109	Wideband arbitrary phaseâ€difference coupledâ€line coupler with tight coupling coefficient and small phase variation. IET Microwaves, Antennas and Propagation, 2018, 12, 2356-2363.	1.4	6
110	Broadband High Efficiency Post-matching Doherty Power Amplifier Based on Mixed-Topology. , 2018, , .		7
111	New Dual-/Tri-Band Bandpass Filters and Diplexer With Large Frequency Ratio. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2978-2992.	4.6	46
112	Center-Fed Unilateral and Pattern Reconfigurable Planar Antennas With Slotted Ground Plane. IEEE Transactions on Antennas and Propagation, 2018, 66, 5139-5149.	5.1	48
113	Design of a Compact Wideband Butler Matrix Using Vertically Installed Planar Structure. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 1420-1430.	2.5	22
114	Decomposition-based multi-objective evolutionary algorithm with mating neighborhood sizes and reproduction operators adaptation. Soft Computing, 2017, 21, 6381-6392.	3.6	15
115	Population recombination strategies for multi-objective particle swarm optimization. Soft Computing, 2017, 21, 4693-4705.	3.6	9
116	Design of a Low Profile and Compact Omnidirectional Filtering Patch Antenna. IEEE Access, 2017, 5, 1083-1089.	4.2	93
117	A Compact Quasi-Isotropic Shorted Patch Antenna. IEEE Access, 2017, 5, 2771-2778.	4.2	39
118	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.	3.0	35
119	Broadband Efficiency-Enhanced Mutually Coupled Harmonic Postmatching Doherty Power Amplifier. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 1758-1771.	5.4	67
120	Broadband Filtering Dielectric Resonator Antenna With Wide Stopband. IEEE Transactions on Antennas and Propagation, 2017, 65, 2079-2084.	5.1	89
121	Wideband Circularly Polarized Dielectric Resonator Antenna With Bandpass Filtering and Wide Harmonics Suppression Response. IEEE Transactions on Antennas and Propagation, 2017, 65, 2096-2101.	5.1	62
122	Differential evolution powered by collective information. Information Sciences, 2017, 399, 13-29.	6.9	86
123	A Low-Profile Wideband Circularly Polarized Crossed-Dipole Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2126-2129.	4.0	60
124	Simultaneous Phase- and Frequency-Tunable Hybrid Coupler. IEEE Transactions on Industrial Electronics, 2017, 64, 8088-8097.	7.9	31
125	Periodic Triangle-Truncated DSPSL-Based Antenna With Backfire to Endfire Beam-Scanning Capacity. IEEE Transactions on Antennas and Propagation, 2017, 65, 845-849.	5.1	35
126	An Efficient Multiple Variants Coordination Framework for Differential Evolution. IEEE Transactions on Cybernetics, 2017, 47, 2780-2793.	9.5	27

#	Article	IF	Citations
127	A jumping genes inspired multi-objective differential evolution algorithm for microwave components optimization problems. Applied Soft Computing Journal, 2017, 59, 276-287.	7.2	7
128	Vias and Stubs Loaded Patch and Its Applications in Filter and Rectifier Designs. IEEE Access, 2017, 5, 7042-7054.	4.2	7
129	A Nonbalancing End-Fire Microstrip Dipole With Periodic-Offset DSPSL Substrate. IEEE Transactions on Antennas and Propagation, 2017, 65, 2661-2665.	5.1	10
130	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.	2.5	27
131	Coupling coefficient reconfigurable quadrature coupler based on mechanical switches. Journal of Electromagnetic Waves and Applications, 2017, 31, 1566-1582.	1.6	0
132	An Equal-Length Multiway Differential Metamaterial Phase Shifter. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 136-146.	4.6	18
133	Efficiency enhanced post-matching Doherty power amplifier based on modified phase compensation network. , 2017, , .		6
134	Bandpass filtering coupler based on dual-mode dielectric resonators. , 2017, , .		0
135	Novel compact balun based on slotted square patch. , 2016, , .		0
136	Patch crossover with bandpass filtering function. Microwave and Optical Technology Letters, 2016, 58, 301-304.	1.4	2
137	Shorting posts loaded patch coupler with enhanced bandwidth and extended coupling coefficient range. Microwave and Optical Technology Letters, 2016, 58, 683-688.	1.4	1
138	Bandpass filtering 180Â° patch coupler with wide suppression band. , 2016, , .		1
139	A bandpass filtering balun based on circular sector patch. , 2016, , .		1
140	A Compact Filtering Dielectric Resonator Antenna With Wide Bandwidth and High Gain. IEEE Transactions on Antennas and Propagation, 2016, 64, 3645-3651.	5.1	114
141	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.	5.4	64
142	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.	1.4	3
143	A triple-band microstrip antenna using a 1/8 annular sector patch with slots and vias. , 2016, , .		0
144	Simultaneous frequency- and coupling coefficient-reconfigurable quadrature coupler. Journal of Electromagnetic Waves and Applications, 2016, 30, 2355-2364.	1.6	4

#	ARTICLE	IF	CITATIONS
145	Circuit applications of patch elements. , 2016, , .		0
146	Differential Evolution Algorithm With Two-Step Subpopulation Strategy and Its Application in Microwave Circuit Designs. IEEE Transactions on Industrial Informatics, 2016, 12, 911-923.	11.3	35
147	A Compact Millimeter-Wave Patch Quadrature Coupler With a Wide Range of Coupling Coefficients. IEEE Microwave and Wireless Components Letters, 2016, 26, 165-167.	3.2	31
148	A Low-Profile High-Gain and Wideband Filtering Antenna With Metasurface. IEEE Transactions on Antennas and Propagation, 2016, 64, 2010-2016.	5.1	253
149	A Low-Profile Stacked Dielectric Resonator Antenna With High-Gain and Wide Bandwidth. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 68-71.	4.0	124
150	A millimeter-wave bandpass filter and balun filter based on circular sector patch. , 2015, , .		2
151	A compact patch quadrature coupler with enhanced bandwidth and harmonic suppression. , 2015, , .		2
152	A compact patch crossover for millimeter-wave applications. , 2015, , .		3
153	Compact Filtering Rat-Race Hybrid With Wide Stopband. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2550-2560.	4.6	55
154	Wideband patch directional coupler based on nonâ€uniform mushroom structure. Electronics Letters, 2015, 51, 262-264.	1.0	0
155	Wide band balun filter using open/shorted coupled line sections. Microwave and Optical Technology Letters, 2015, 57, 1099-1101.	1.4	1
156	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.	3.2	32
157	A new Marchand balun with harmonic suppression. , 2014, , .		2
158	Singly-Fed Wideband 45<formula formulatype="inline"> <tex Notation="TeX">$^circ $</tex></formula> Slant-Polarized Omnidirectional Antennas. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1445-1448.	4.0	24
159	Design of Dual-Band Omnidirectional Cylindrical Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 710-713.	4.0	39
160	Dual-Band and Dual-Sense Omnidirectional Circularly Polarized Antenna. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 706-709.	4.0	76
161	Broadband Monopolar Microstrip Patch Antenna With Shorting Vias and Coupled Ring. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 39-42.	4.0	91
162	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.	2.5	35

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163	Differential RF Phase Shifter With Harmonic Suppression. IEEE Transactions on Industrial Electronics, 2014, 61, 2891-2899.	7.9	39
164	Wideband and Low-Profile Omnidirectional Circularly Polarized Patch Antenna. IEEE Transactions on Antennas and Propagation, 2014, 62, 4347-4351.	5.1	90
165	Method of Auxiliary Sources for Analyzing Half-Mode Substrate Integrated Waveguide. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1043-1046.	4.0	9
166	Multi-Way and Poly-Phase Aligned Feed-Forward Differential Phase Shifters. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1312-1321.	4.6	25
167	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.	7.9	62
168	Novel millimeter-wave bandpass filter using discriminating coupling for fundamental mode suppression. , 2014, , .		1
169	Circular Sector Patch Hybrid Coupler With an Arbitrary Coupling Coefficient and Phase Difference. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1781-1792.	4.6	66
170	Quasi-Arbitrary Phase-Difference Hybrid Coupler. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1530-1539.	4.6	65
171	Reconfigurable RF Quadrature Patch Hybrid Coupler. IEEE Transactions on Industrial Electronics, 2012, , 1-1.	7.9	27
172	An RFID Multicriteria Coarse- and Fine-Space Tag Antenna Design. IEEE Transactions on Industrial Electronics, 2011, 58, 2522-2530.	7.9	13
173	Frequency-Agile Patch Element Using Varactor Loaded Patterned Ground Plane. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 619-626.	4.6	32
174	Dualâ€band hybrid coupler with extended bandwidth. Microwave and Optical Technology Letters, 2010, 52, 2095-2098.	1.4	2
175	Dualâ€band hybrid coupler with source to load impedance matching. Microwave and Optical Technology Letters, 2010, 52, 2515-2519.	1.4	0
176	Broadband Phase Shifter Using Loaded Transmission Line. IEEE Microwave and Wireless Components Letters, 2010, 20, 498-500.	3.2	146
177	Size-Reduced Rectangular Patch Hybrid Coupler Using Patterned Ground Plane. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 180-188.	4.6	36
178	Design of Broadband Hybrid Coupler With Tight Coupling Using Jumping Gene Evolutionary Algorithm. IEEE Transactions on Industrial Electronics, 2009, 56, 2987-2991.	7.9	30
179	Dual-Band Rectangular Patch Hybrid Coupler. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1721-1728.	4.6	39
180	Broad band CBCPW phase shifter optimized with Jumping Genes Evolutionary Algorithm. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
181	Broadband Butler Matrix optimized using Jumping Genes Evolutionary Algorithm. , 2008, , .		1
182	Broadband 3dB hybrid coupler with flat coupling designed by Jumping Genes Evolutionary Algorithm. , 2008, , .		16
183	Reconfigurable top loaded monopole antenna with wideband tuning. , 2008, , .		0
184	Compact Butler Matrix using size reduced elements. Microwave and Optical Technology Letters, 2007, 49, 1519-1521.	1.4	6
185	Distributed power amplifier/feedback low noise amplifier switch-less front-end. Microwave and Optical Technology Letters, 2006, 48, 1659-1662.	1.4	0