Tao Yang

List of Publications by Year
in descending order

109	1,337	394421 19	395702 33
papers	citations	h-index	g-index

109	109	109	940
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Novel 1.05 GHz to 1.25 GHz Filtering Antenna Feeding Network With Reconfigurable Frequency and Polarization. IEEE Transactions on Antennas and Propagation, 2022, 70, 156-166.	5.1	7
2	Fast and Accurate Spectrum Estimation via Virtual Coarray Interpolation Based on Truncated Nuclear Norm Regularization. IEEE Signal Processing Letters, 2022, 29, 169-173.	3.6	5
3	Novel Passive Vector-Sum Reconfigurable Filtering Phase Shifter With Continuous Phase-Control and Tunable Center Frequency. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1188-1197.	4.6	12
4	An Analysis and Design Method for Wide Range Reconfigurable Filter Bank Using Parallel Inductive Switch Network. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3381-3385.	3.0	0
5	2â€“2.2 GHz Reconfigurable 1 Ã— 4 Filtering Beamforming Network Using Novel Filtering Switch-Coupler and Twisted Rat-Race Coupler. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2462-2472.	4.6	6
6	X-Band Ferrite Microstrip Limiter Based on Improved Nonlinear Loss Model for High-Power Microwave Application. IEEE Microwave and Wireless Components Letters, 2022, 32, 1015-1018.	3.2	5
7	Novel Passive Vector-Sum Amplitude-Variable Phase Shifter With Integrated Reconfigurable Filtering Function. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3511-3523.	4.6	5
8	28-GHz High-Isolation SIW Balanced Diplexer With Highly Controllable Transmission Zeros. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4799-4803.	3.0	2
9	Design and Synthesis of Reconfigurable Filtering Phase Shifter Using Optimization of Coupling Matrix. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3886-3896.	4.6	4
10	A 10.23â€“15.7-GHz Varactor-Tuned Microstrip Bandpass Filter With Highly Flexible Reconfigurability. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4499-4509.	4.6	14
11	Synthesis design of equalâ€length phase shifter based on substrate integrated waveguide and microstrip line. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22544.	1.2	1
12	Novel Single-Ended-to-Balanced Filter With Reconfigurable Working Modes, Frequency, Bandwidth, and Single/Dual-Band Operations. IEEE Access, 2021, 9, 14216-14227.	4.2	5
13	Design of Wide Stopband for Waveguide Low-Pass Filter Based on Circuit and Field Combined Analysis. IEEE Microwave and Wireless Components Letters, 2021, 31, 1199-1202.	3.2	6
14	Compact UWB Half-Mode SIW Bandpass Filter With Fully Reconfigurable Single and Dual Notched Bands. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 65-74.	4.6	27
15	1.866â€“2.782-GHz Reconfigurable Filtering Single-Pole-Multithrow Switches Based on Evanescent-Mode Cavity Resonators. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1355-1364.	4.6	7
16	A Novel 1.7â€“2.85-GHz Filtering Crossover With Independently Tuned Channel Passbands and Reconfigurable Filtering Power-Dividing Function. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2458-2469.	4.6	10
17	A microstrip bandpass filter with tunable bandwidth and center frequency. Microwave and Optical Technology Letters, 2021, 63, 2333-2336.	1.4	5
18	5G Millimeter-Wave Substrate-Integrated Waveguide Quad-Channel Diplexer With High In-Band and Wideband Isolation. IEEE Microwave and Wireless Components Letters, 2021, 31, 650-653.	3.2	9

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19	Arbitrary-Order Balanced Filter With Reflectionless Characteristics for Both Common- and Differential-Mode Signals. IEEE Microwave and Wireless Components Letters, 2021, 31, 553-556.	3.2	6
20	Design of trisection filter with reconfigurable center frequency and transmission zeros using evanescentâ€mode cavity resonators. Microwave and Optical Technology Letters, 2021, 63, 3002-3007.	1.4	1
21	Novel Compact Coupler With Tunable Frequency, Phase Difference, and Power-Dividing Ratio. IEEE Microwave and Wireless Components Letters, 2021, 31, 1119-1122.	3.2	16
22	Miniaturized Reconfigurable Filtering Power Divider with Arbitrary Output Phase Difference and Improved Isolation. , 2021, , .		3
23	A Compact Physical Drain Current Model of Multitube Carbon Nanotube Field Effect Transistor Including Diameter Dispersion Effects. IEEE Transactions on Electron Devices, 2021, 68, 6571-6579.	3.0	4
24	Novel Dual-Band Beam-Scanning/Switching Network Based on a Hybrid Coupler With Synchronously Tuned Phase Differences. IEEE Access, 2021, 9, 157151-157164.	4.2	0
25	Low Insertion and Large Dynamic Range Substrate Integrated Waveguide Equalizer on Ceramic for Feeding Network. , 2021, , .		0
26	Substrate Integrated Waveguide Equalizers and Attenuators With Surface Resistance. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1487-1495.	4.6	11
27	Novel Tunable Isolation Network Used in Ring-Type Single-to-Balanced, Power-Dividing, and Single-Ended Filter With Arbitrary Power-Division Ratios. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 666-680.	4.6	6
28	Tunable Bandstop Filter Using Distributed Coupling Microstrip Resonators With Capacitive Terminal. IEEE Microwave and Wireless Components Letters, 2020, 30, 35-38.	3.2	17
29	Robust Microstrip to Empty Substrate-Integrated Waveguide Transition Using Tapered Artificial Dielectric Slab Matrix. IEEE Microwave and Wireless Components Letters, 2020, 30, 849-852.	3.2	7
30	Mo/Ti multilayer Bragg reflector for LiNbO3 film bulk acoustic wave resonators. Journal of Applied Physics, 2020, 128, .	2.5	23
31	A Tunable Vector-Sum Filtering Power Divider With Continuously Tuned Frequency and Arbitrary Output Phase Difference. IEEE Microwave and Wireless Components Letters, 2020, 30, 1033-1036.	3.2	9
32	Single-Layer Dual-Band Balanced Substrate- Integrated Waveguide Filtering Power Divider for 5G Millimeter-Wave Applications. IEEE Microwave and Wireless Components Letters, 2020, 30, 585-588.	3.2	39
33	Empty substrateâ€integrated waveguide phase inverter in millimetreâ€wave band application. Electronics Letters, 2020, 56, 382-385.	1.0	1
34	Novel Reconfigurable Filtering Rat-Race Coupler, Branch-Line Coupler, and Multiorder Bandpass Filter With Frequency, Bandwidth, and Power Division Ratio Control. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1496-1509.	4.6	25
35	Novel Reconfigurable Negative Group Delay Circuits With Independent Group Delay and Transmission Loss/Gain Control. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1293-1303.	4.6	13
36	The thin film bulk acoustic wave resonator based on single-crystalline 43â—‹Y-cut lithium niobate thin films. AIP Advances, 2020, 10, .	1.3	26

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37	Novel Evanescent-Mode Cavity Filter With Reconfigurable Rat-Race Coupler, Quadrature Coupler and Multi-Pole Filtering Functions. IEEE Access, 2020, 8, 32688-32697.	4.2	11
38	Wideband Microstrip Reflectarray Antenna Using Multiple-Frequency Phase Synthesis Approach. , 2020, , .		2
39	A Novel Fully Reconfigurable Non Foster Capacitance Using Distributed Negative Group Delay Networks. IEEE Access, 2019, 7, 92768-92777.	4.2	11
40	Compact W-Band Shielded Asymmetrical Coplanar Stripline to Microstrip Transition for Millimeter-Wave Applications. , 2019, , .		3
41	A SiGe BiCMOS Digital Step Attenuator with Temperature and Phase Compensation for Phased Array System. , 2019, , .		1
42	A Ï€-type Isolation Network for Improvement of Matching and Isolation in Reconfigurable Multifunctional Bandpass Filter. , 2019, , .		0
43	Rejection of Spoof SPPs Using the Second Resonant Mode of Vertical Split-Ring Resonator. IEEE Microwave and Wireless Components Letters, 2019, 29, 23-25.	3.2	9
44	Novel Reconfigurable Single-to-Balanced, Power-Dividing, and Single-Ended Filter With Frequency and Bandwidth Control. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 670-682.	4.6	26
45	Tunable bandstop filter with high suppression and wide tuning range. Electronics Letters, 2019, 55, 910-912.	1.0	2
46	High-Gain Patch-Fed 3D-Printing Fresnel Zone Plate Lens Antenna for 60-GHz Communications. , 2018, , .		3
47	A tunable single-to-balanced bandpass filter with bandwidth control. , 2018, , .		2
48	Compact CPWâ€fed ultraâ€wideband printed antennas with controllable notch characteristics. Microwave and Optical Technology Letters, 2018, 60, 2824-2830.	1.4	4
49	Ultra-Wideband Variable Temperature Measurement System for Complex Permeability of Magnetic Thin Film Fe₆₆Co₁₇B₁₆Si₁. IEEE Transactions on Magnetics, 2018, 54, 1-7.	2.1	2
50	A Novel Metamaterial Transmission Line With Adjustable Left-Handed Elements and Its Application to <inline-formula> <tex-math notation="LaTeX">H </tex-math> </inline-formula>-Plane Filter. IEEE Microwave and Wireless Components Letters, 2018, 28, 774-776.	3.2	5
51	A Microstrip Magnetic Dipole Yagiâ€“Uda Antenna Employing Vertical I-Shaped Resonators as Parasitic Elements. IEEE Transactions on Antennas and Propagation, 2018, 66, 3910-3917.	5.1	35
52	Bandpass-to-Bandstop Reconfigurable Tunable Filters with Frequency and Bandwidth Controls. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2288-2297.	4.6	47
53	Broadband phase shifters using comprehensive compensation method. Microwave and Optical Technology Letters, 2017, 59, 766-770.	1.4	8
54	A reconfigurable in-phase/out-of-phase and power-dividing ratio power divider. , 2017, , .		11

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55	Novel compact ultraâ€wideband bandpass filter based on vialess vertical CPW/microstrip transitions. Electronics Letters, 2017, 53, 1258-1260.	1.0	9
56	Order: The key role in machine learning. , 2017, , .		0
57	A novel spoof SPP-fed circular patch antenna with wideband harmonic rejection. , 2017, , .		0
58	Novel UWB BPF with a controllable notched band using hybrid structure. IEICE Electronics Express, 2017, 14, 20170083-20170083.	0.8	1
59	A right-angle wideband transition between differential microstrip line and rectangular waveguide. IEICE Electronics Express, 2017, 14, 20161206-20161206.	0.8	0
60	A rectangular waveguide filter with integrated E-plane probe transition. IEICE Electronics Express, 2017, 14, 20161108-20161108.	0.8	1
61	Compact high selectivity UWB filter using composite CPW-microstrip structure. IEICE Electronics Express, 2016, 13, 20161049-20161049.	0.8	6
62	Ultraâ€wideband power divider employing coupled line and shortâ€ended stub. Microwave and Optical Technology Letters, 2016, 58, 713-715.	1.4	6
63	A novel SIW power divider with good out-of-band rejection and isolation. IEICE Electronics Express, 2016, 13, 20160160-20160160.	0.8	3
64	Low loss and broadband transition between substrate integrated waveguide and rectangular waveguide. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 54-61.	1.2	6
65	An improved broadband transition between microstrip and empty substrate integrated waveguide. Microwave and Optical Technology Letters, 2016, 58, 2227-2231.	1.4	21
66	Novel 1.5-1.9 GHz Tunable Single-to-Balanced Bandpass Filter With Constant Bandwidth. IEEE Microwave and Wireless Components Letters, 2016, 26, 972-974.	3.2	17
67	A novel ultra-wideband bandpass filter using defected microstrip structures. IEICE Electronics Express, 2016, 13, 20160165-20160165.	0.8	6
68	A 1.3â€“2.08 GHz Filtering Power Divider With Bandwidth Control and High In-Band Isolation. IEEE Microwave and Wireless Components Letters, 2016, 26, 407-409.	3.2	36
69	A Compact and Broadband Differential Microstrip Line to Rectangular Waveguide Transition Using Dipole Antenna. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 582-591.	2.2	2
70	A Simple and Effective Method for 1.9â€“3.4-GHz Tunable Diplexer With Compact Size and Constant Fractional Bandwidth. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 436-449.	4.6	38
71	Low phase noise oscillator based on quarter mode substrate integrated waveguide technique. IEICE Electronics Express, 2015, 12, 20150046-20150046.	0.8	3
72	Continuously tunable SIW phase shifter based on the buried varactors. IEICE Electronics Express, 2015, 12, 20150165-20150165.	0.8	8

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73	Broadband in-line transition from suspended stripline to rectangular waveguide. IEICE Electronics Express, 2015, 12, 20150833-20150833.	0.8	0
74	Broadband stripline to rectangular waveguide transition. IEICE Electronics Express, 2015, 12, 20150117-20150117.	0.8	3
75	Broadband suspended stripline to airâ€filled rectangular waveguide transition. Electronics Letters, 2015, 51, 1886-1888.	1.0	7
76	A novel tunable inverted microstrip phase shifter based on liquid crystal. , 2015, , .		1
77	Design of a Ka-band monolithic low noise amplifier. , 2015, , .		0
78	Full Kaâ€band rightâ€angle transition from substrate integrated waveguide to airâ€filled rectangular waveguide. Electronics Letters, 2015, 51, 1796-1798.	1.0	15
79	Xâ€band low phase noise loop oscillator with differential outputs. Electronics Letters, 2015, 51, 1005-1007.	1.0	4
80	Broadband terahertz integrated waveguide transition and its application in the amplifier module. , 2015, , .		3
81	Broadband Millimeter-Wave In-Phase and Out-of-Phase Waveguide Dividers with High Isolation. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 1076-1088.	2.2	0
82	Compact wideband HMSIW bandpass filter with defected ground structure. , 2015, , .		2
83	Xâ€band lowâ€phase noise oscillator employing substrate integrated waveguide dualâ€mode filter. Electronics Letters, 2015, 51, 494-495.	1.0	18
84	Tunable 1.25â€“2.1-GHz 4-Pole Bandpass Filter With Intrinsic Transmission Zero Tuning. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1569-1578.	4.6	52
85	Broadband Millimeter-Wave Power Combiner Using Compact SIW to Waveguide Transition. IEEE Microwave and Wireless Components Letters, 2015, 25, 567-569.	3.2	24
86	Low Phase Noise Concurrent Dual-Band Oscillator Using Compact Diplexer. IEEE Microwave and Wireless Components Letters, 2015, 25, 672-674.	3.2	20
87	Compact Self-Shielded 2â€“3 GHz High-Q Coaxial Fixed and Tunable Filters. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3370-3379.	4.6	20
88	Low Loss Compact Meander Stripline Delay Lines Using LTCC. , 2014, , .		1
89	Design of Millimeter-wave Rectangular Waveguide to HMSIW Transition Based on Trapezoidal-shaped Probe. Journal of Infrared, Millimeter, and Terahertz Waves, 2014, 35, 909-917.	2.2	1
90	Compact rectangular waveguide to HMSIW transition. IEICE Electronics Express, 2014, 11, 20140316-20140316.	0.8	1

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91	Folded Substrate Integrated Waveguide Based Composite Right/Left-Handed Transmission Line and Its Application to Partial H-Plane Filters. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 789-799.	4.6	38
92	Novel compact partial-H plane filter based on the composite right/left-handed transmission line in folded substrate-integrated waveguide. , 2012, , .		0
93	Compact Quarter-Wave Resonator and Its Applications to Miniaturized Diplexer and Triplexer. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 260-269.	4.6	112
94	Very Compact and Low-Profile LTCC Unbalanced-to-Balanced Filters With Hybrid Resonators. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1925-1936.	4.6	22
95	Design of Millimeter Wave Wideband Transition From Double-ridge Waveguide to Coaxial Line. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 26-33.	2.2	17
96	Phase Measurement Based on the Six-Port Technology. , 2011, , .		0
97	Design of C-Band Six-Port Junction. , 2011, , .		0
98	Compact Hybrid Resonator With Series and Shunt Resonances Used in Miniaturized Filters and Balun Filters. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 390-402.	4.6	95
99	Super Compact Low-Temperature Co-Fired Ceramic Bandpass Filters Using the Hybrid Resonator. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2896-2907.	4.6	34
100	High Isolation and Compact Diplexer Using the Hybrid Resonators. IEEE Microwave and Wireless Components Letters, 2010, 20, 551-553.	3.2	139
101	Design of a wideband transition from double-ridge waveguide to microstrip line. , 2010, , .		10
102	A new way of bandpass filter design based on zeroth-order and negative-order resonance modes. , 2009, , .		4
103	A compact combline bandpass filter designed in LTCC. Microwave and Optical Technology Letters, 2008, 50, 1897-1900.	1.4	1
104	A novel compact microstrip bandpass filter using folded stepped impedance resonators. Microwave and Optical Technology Letters, 2008, 50, 1864-1867.	1.4	4
105	A compact bandpass filter with two finite transmission zeros using LTCC technology. , 2007, , .		3
106	Compact Combline Bandpass Filter Using LTCC Technology. , 2007, , .		2
107	The Design of a Ka-Band Two-Stage Monolithic Low Noise Amplifier. , 0, , .		1
108	A 2 GHz High Isolation DPDT Switch MMIC. , 0, , .		1

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109	Novel tunable dualâ€band filter using evanescentâ€mode cavity resonators. Microwave and Optical Technology Letters, 0, , .	1.4	0