

# Kambiz Afrooz

## List of Publications by Year in descending order

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46  
papers

446  
citations

840776

11  
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794594

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all docs

46  
docs citations

46  
times ranked

327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bandwidth enhancement of a half-mode substrate integrated waveguide filtering power divider using spoof surface plasmon polariton. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 025103.	2.8	8
2	Broadband bandpass filter and filtering power divider with enhanced slow-wave effect, compact size, and wide stopband based on butterfly-shaped spoof SPPs. <i>AEU - International Journal of Electronics and Communications</i> , 2022, 145, 154084.	2.9	10
3	Wideband compact phase shifter based on hybrid half-mode substrate integrated waveguide and spoof surface plasmon polariton. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 155203.	2.8	2
4	Simultaneous time domain nonlinear EMS analysis of a LNA complete circuit illuminated by an interfering pulse using 3D-FDTD method. <i>AEU - International Journal of Electronics and Communications</i> , 2022, 147, 154145.	2.9	0
5	A modified composite right/left-handed unit cell for multiband applications. <i>Microwave and Optical Technology Letters</i> , 2021, 63, 2699-2703.	1.4	0
6	Fast Methodology for Time-Domain Analysis of Nonlinear-Loaded Transmission Line Excited by an Arbitrary Modulated Signal. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2020, 39, 670-674.	2.7	1
7	Active Dual-Band Power Divider and Active Quad-Plexer Based on Traveling Wave Amplification and D-CRLH Transmission Line. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 480-484.	3.0	4
8	Compact reconfigurable triple-mode triple-band substrate integrated waveguide bandpass filter. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020, 30, e22099.	1.2	5
9	Super compact dual-band substrate integrated waveguide filters and filtering power dividers based on evanescent-mode technique. <i>AEU - International Journal of Electronics and Communications</i> , 2020, 125, 153348.	2.9	13
10	Compact narrow band-pass filter based on alternate right-left handed transmission line concept. <i>Analog Integrated Circuits and Signal Processing</i> , 2020, 103, 315-323.	1.4	3
11	Compact filtering power divider based on corrugated third-mode circular SIW cavities. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 1900-1905.	1.4	8
12	Gradient and Huygens's Metasurface Design and Analysis Based on Transmission Line Theory. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 6752-6763.	5.1	3
13	Four-Way Filtering Power Divider Using SIW and Eighth-Mode SIW Cavities With Ultrawide Out-of-Band Rejection. <i>IEEE Microwave and Wireless Components Letters</i> , 2019, 29, 586-588.	3.2	32
14	The effect of magnetic field and operating parameters on cathodic copper winning in electro-winning process. <i>Chemical Engineering Science</i> , 2019, 199, 1-19.	3.8	12
15	Fishbone substrate integrated waveguide structures. <i>AEU - International Journal of Electronics and Communications</i> , 2019, 107, 177-182.	2.9	1
16	Ultracompact two-way and four-way SIW/HMSIW power dividers loaded by complementary split-ring resonators. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019, 29, e21878.	1.2	8
17	A novel super compact half-mode substrate-integrated waveguide filter using modified complementary split-ring resonator. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019, 29, e21709.	1.2	11
18	Measuring the dielectric properties of date palm fruit, date palm leaflet, and Dubas bug at radio and microwave frequency using two-port coaxial transmission/reflection line technique. <i>Biosystems Engineering</i> , 2019, 181, 73-85.	4.3	9

#	ARTICLE	IF	CITATIONS
19	Matrix Power Amplifier With Open-Circuit Composite Right-/Left-Handed Transmission Line. IEEE Microwave and Wireless Components Letters, 2019, 29, 231-233.	3.2	6
20	Fast method for analysing nonlinear composite right/left-handed transmission lines based on finite-difference time-domain method. IET Microwaves, Antennas and Propagation, 2019, 13, 127-133.	1.4	3
21	Compact metamaterial unit-cell based on stepped-impedance resonator technique and its application to miniaturize substrate integrated waveguide filter and diplexer. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21537.	1.2	9
22	Dual extended composite right/left-handed transmission line metamaterial. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21247.	1.2	3
23	Gysel power divider with efficient second and third harmonic suppression using one resistor. AEU - International Journal of Electronics and Communications, 2018, 89, 116-122.	2.9	16
24	Four-way Gysel power divider/combiner with back-to-back configuration for dual-band operation. International Journal of Microwave and Wireless Technologies, 2018, 10, 265-270.	1.9	3
25	Frugal Sampling Method for Analysis of Modulating Pulses in Nonlinear-loaded Transmission Lines at mm-wave Frequency. , 2018, , .		0
26	High gain dual-band distributed amplifier using new composite right/left-handed transmission line. International Journal of Microwave and Wireless Technologies, 2018, 10, 1118-1127.	1.9	0
27	A New Low-Power and High-Linearity CMOS Bulk-Injection Mixer in $0.13 \mu m$ Technology. , 2018, , .		1
28	Dual-band distributed amplifier with new D-CRLH transmission line. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21418.	1.2	0
29	Time-domain analysis of extended composite right/left handed transmission line excited by modulated signal using unconditionally stable FDTD algorithm. IET Science, Measurement and Technology, 2018, 12, 785-794.	1.6	1
30	Miniaturization of substrate integrated waveguide filters using novel compact metamaterial unit-cells based on SIR technique. AEU - International Journal of Electronics and Communications, 2018, 84, 62-73.	2.9	33
31	Compact power divider based on half mode substrate integrated waveguide (HMSIW) with arbitrary power dividing ratio. International Journal of Microwave and Wireless Technologies, 2017, 9, 515-521.	1.9	18
32	Comments on "Modified Gysel Power Divider for Dual-Band Applications". IEEE Microwave and Wireless Components Letters, 2017, 27, 204-206.	3.2	1
33	Power Divider/Combiner using Half-Mode Substrate Integrated Waveguide (HMSIW) Technology with High Power and High Isolation. IETE Journal of Research, 2017, 63, 558-564.	2.6	2
34	Substrate Integrated Waveguide (SIW) Filtering Power Divider/Combiner with High Selectivity. Wireless Personal Communications, 2017, 97, 1117-1127.	2.7	4
35	Miniaturized filtering SIW power divider with arbitrary power-dividing ratio loaded by open complementary split-ring resonators. International Journal of Microwave and Wireless Technologies, 2017, 9, 1827-1832.	1.9	18
36	Compact bandpass filter based on SIW loaded by open complementary split-ring resonators. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 674-682.	1.2	24

#	ARTICLE	IF	CITATIONS
37	Miniaturised equal/unequal SIW power divider with bandpass response loaded by CSRRs. Electronics Letters, 2016, 52, 1864-1866.	1.0	39
38	Time domain analysis of field effect transistors using unconditionally stable finite difference method. IET Science, Measurement and Technology, 2016, 10, 686-692.	1.6	12
39	A 10:1 unequal gysel power divider/combiner. Microwave and Optical Technology Letters, 2016, 58, 2689-2692.	1.4	2
40	Unconditionally stable finite difference time domain algorithm for analysing composite right/left-handed transmission line. IET Microwaves, Antennas and Propagation, 2016, 10, 339-346.	1.4	6
41	Finite difference time domain analysis of extended composite right/left-handed transmission line equations. International Journal of RF and Microwave Computer-Aided Engineering, 2014, 24, 68-76.	1.2	7
42	Fully distributed analysis of an improved single pole single throw traveling wave switches. , 2013, , .		0
43	Broadband bandpass filter using open complementary split ring resonator based on metamaterial unit cell concept. Microwave and Optical Technology Letters, 2012, 54, 2832-2835.	1.4	4
44	Efficient Method for Time-Domain Analysis of Lossy Nonuniform Multiconductor Transmission Line Driven by a Modulated Signal Using FDTD Technique. IEEE Transactions on Electromagnetic Compatibility, 2012, 54, 482-494.	2.2	59
45	Time-domain analysis of lossy active transmission lines using FDTD method. AEU - International Journal of Electronics and Communications, 2009, 63, 168-178.	2.9	12
46	TIME DOMAIN ANALYSIS OF ACTIVE TRANSMISSION LINE USING FDTD TECHNIQUE (APPLICATION TO) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.4	33