

Sobhan Roshani

List of Publications by Year in descending order

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49
papers

1,516
citations

304368

22
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315357

38
g-index

50
all docs

50
docs citations

50
times ranked

880
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Intelligence and COVID-19: Deep Learning Approaches for Diagnosis and Treatment. IEEE Access, 2020, 8, 109581-109595.	2.6	386
2	Design of a Compact Planar Transmission Line for Miniaturized Rat-Race Coupler With Harmonics Suppression. IEEE Access, 2021, 9, 129207-129217.	2.6	80
3	Design and Modeling of a Compact Power Divider with Squared Resonators Using Artificial Intelligence. Wireless Personal Communications, 2021, 117, 2085-2096.	1.8	77
4	Online measuring density of oil products in annular regime of gas-liquid two phase flows. Measurement: Journal of the International Measurement Confederation, 2018, 129, 296-301.	2.5	67
5	Size reduction and performance improvement of a microstrip Wilkinson power divider using a hybrid design technique. Scientific Reports, 2021, 11, 7773.	1.6	64
6	Enhancing the performance of a dual-energy gamma ray based three-phase flow meter with the help of grey wolf optimization algorithm. Flow Measurement and Instrumentation, 2018, 64, 164-172.	1.0	59
7	A compact Gysel power divider design using U-shaped and T-shaped resonators with harmonics suppression. Electromagnetics, 2019, 39, 491-504.	0.3	53
8	A modified class-F power amplifier with miniaturized harmonic control circuit. AEU - International Journal of Electronics and Communications, 2018, 97, 202-209.	1.7	45
9	High efficiency balanced power amplifier using miniaturized harmonics suppressed coupler. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22252.	0.8	45
10	Wilkinson Power Divider with Band-pass Filtering Response and Harmonics Suppression Using Open and Short Stubs. Frequenz, 2020, 74, 169-176.	0.6	44
11	Design of a high efficiency class-F power amplifier with large signal and small signal measurements. Measurement: Journal of the International Measurement Confederation, 2020, 149, 106991.	2.5	42
12	Design of a miniaturized branch line microstrip coupler with a simple structure using artificial neural network. Frequenz, 2022, 76, 255-263.	0.6	40
13	Design of a very compact and sharp bandpass diplexer with bended lines for GSM and LTE applications. AEU - International Journal of Electronics and Communications, 2019, 99, 354-360.	1.7	35
14	A compact coupler design using meandered line compact microstrip resonant cell (MLCMRC) and bended lines. Wireless Networks, 2021, 27, 677-684.	2.0	35
15	Design of a compact LPF and a miniaturized Wilkinson power divider using aperiodic stubs with harmonic suppression for wireless applications. Wireless Networks, 2020, 26, 1493-1501.	2.0	33
16	Compact microstrip lowpass filter with ultrasharp response using a square-loaded modified T-shaped resonator. Turkish Journal of Electrical Engineering and Computer Sciences, 2018, 26, 1736-1746.	0.9	30
17	A modified Wilkinson power divider with ultra harmonic suppression using open stubs and lowpass filters. Analog Integrated Circuits and Signal Processing, 2019, 98, 395-399.	0.9	30
18	A novel miniaturized Wilkinson power divider with n th harmonic suppression. Journal of Electromagnetic Waves and Applications, 2013, 27, 726-735.	1.0	26

#	ARTICLE	IF	CITATIONS
19	A miniaturized lowpass bandpass diplexer with high isolation. AEU - International Journal of Electronics and Communications, 2018, 87, 87-94.	1.7	26
20	Design of Class E Power Amplifier with New Structure and Flat Top Switch Voltage Waveform. IEEE Transactions on Power Electronics, 2018, 33, 2571-2579.	5.4	25
21	Deep Learning Techniques and COVID-19 Drug Discovery: Fundamentals, State-of-the-Art and Future Directions. Studies in Systems, Decision and Control, 2021, , 9-31.	0.8	24
22	A Class-E Power Amplifier Design Considering MOSFET Nonlinear Drain-to-Source and Nonlinear Gate-to-Drain Capacitances at Any Grading Coefficient. IEEE Transactions on Power Electronics, 2016, 31, 7770-7779.	5.4	22
23	A Lowpass Filter Design Using Curved and Fountain Shaped Resonators. Frequenz, 2019, 73, 267-272.	0.6	20
24	A miniaturized harmonic suppressed power amplifier integrated with lowpass filter for long term evolution application. Analog Integrated Circuits and Signal Processing, 2016, 89, 197-204.	0.9	18
25	Design of a Miniaturized Class F Power Amplifier Using Capacitor Loaded Transmission Lines. Frequenz, 2020, 74, 145-152.	0.6	17
26	A compact lowpass - dual bandpass diplexer with high output ports isolation. AEU - International Journal of Electronics and Communications, 2021, 135, 153748.	1.7	17
27	Analysis and design of class E power amplifier considering MOSFET parasitic input and output capacitances. IET Circuits, Devices and Systems, 2016, 10, 433-440.	0.9	16
28	Design of a Patch Power Divider With Simple Structure and Ultra-Broadband Harmonics Suppression. IEEE Access, 2021, 9, 165734-165744.	2.6	16
29	Linearization design method in class-F power amplifier using artificial neural network. Journal of Computational Electronics, 2014, 13, 943-949.	1.3	15
30	A Review of the Potential of Artificial Intelligence Approaches to Forecasting COVID-19 Spreading. AI, 2022, 3, 493-511.	2.1	13
31	A Simple Wilkinson Power Divider with Harmonics Suppression. Electromagnetics, 2013, 33, 332-340.	0.3	11
32	Hybrid Deep Learning Techniques for Predicting Complex Phenomena: A Review on COVID-19. AI, 2022, 3, 416-433.	2.1	11
33	Design and implementation of a bandpass Wilkinson power divider with wide bandwidth and harmonic suppression. Turkish Journal of Electrical Engineering and Computer Sciences, 2020, 28, 414-422.	0.9	9
34	Design and Fabrication of a Compact Branch-Line Coupler Using Resonators with Wide Harmonics Suppression Band. Electronics (Switzerland), 2022, 11, 793.	1.8	8
35	Design of compact microstrip low pass filter using triangular and rectangular shaped resonator with ultra-wide stopband and sharp roll-off. Analog Integrated Circuits and Signal Processing, 2019, 101, 99-107.	0.9	7
36	A planner Doherty power amplifier with harmonic suppression with open and short ended stubs. Frequenz, 2022, 76, 121-130.	0.6	7

#	ARTICLE	IF	CITATIONS
37	Using an ANN Approach to Estimate Output Power and PAE of A Modified Class-F Power Amplifier. , 2020, , .		7
38	Cloud-based Machine Learning Techniques Implemented by Microsoft Azure for Designing Power Amplifiers. , 2021, , .		7
39	Design and Implementation of a Dual-Band Filtering Wilkinson Power Divider Using Coupled T-Shaped Dual-Band Resonators. Energies, 2022, 15, 1189.	1.6	6
40	Design of a Modified Compact Coupler with Unwanted Harmonics Suppression for L-Band Applications. Electronics (Switzerland), 2022, 11, 1747.	1.8	6
41	Design of high-efficiency Hybrid Power Amplifier with concurrent F&F¹ class operations for 5G application. Frequenz, 2021, 75, 467-477.	0.6	4
42	A Compact Low-Pass Filter with Simple Structure and Sharp Roll-Off. , 2020, , .		3
43	Design and analysis of optimised class E power amplifier using shunt capacitance in the output structure. International Journal of Electronics, 2017, 104, 735-746.	0.9	2
44	A Comparative Study on a Built Sun Tracker and Fixed Converter Panels. International Journal of Energy Optimization and Engineering, 2012, 1, 56-69.	0.4	2
45	A Modified Branch Line Coupler with Ultra-Wide Harmonics Rejection Using Resonators and Open-Ended Stubs. , 2021, , .		2
46	Design and Implementation of a Bandpassâ€“Bandpass Diplexer Using Coupled Structures. Wireless Personal Communications, 0, , 1.	1.8	1
47	Design of bandpassâ€“bandpass diplexers using rectangular-, T-, and L-shaped resonators for hybrid power amplifier and 5G applications. Analog Integrated Circuits and Signal Processing, 2021, 109, 585-597.	0.9	1
48	A Novel Method for Ion Track Counting in Polycarbonate Detector. Chinese Journal of Engineering, 2013, 2013, 1-4.	1.0	0
49	A Dual Band Microstrip Branch Line Coupler with Harmonics Suppression Using LPF and Open Ended Stubs. , 2021, , .		0