

# Kai Xu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2054163/publications.pdf>

Version: 2024-02-01

51  
papers

630  
citations

840776

11  
h-index

610901

24  
g-index

51  
all docs

51  
docs citations

51  
times ranked

369  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Balanced-to-Unbalanced Microstrip Power Divider With Filtering Function. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2561-2569.	4.6	89
2	A Balanced-to-Balanced Power Divider With Wide Bandwidth. IEEE Microwave and Wireless Components Letters, 2015, 25, 573-575.	3.2	60
3	A Substrate Integrated Cavity Backed Filtering Slot Antenna Stacked With a Patch for Frequency Selectivity Enhancement. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1910-1914.	4.0	51
4	A Balanced Filtering Branch-Line Coupler. IEEE Microwave and Wireless Components Letters, 2016, 26, 119-121.	3.2	46
5	A Coupled-Line Balanced-to-Single-Ended Out-of-Phase Power Divider With Enhanced Bandwidth. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 459-466.	4.6	46
6	An Approach to 1-to- $2^n$ Way Microstrip Balanced Power Divider. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4222-4231.	4.6	42
7	A Balanced Branch-Line Coupler With Arbitrary Power Division Ratio. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 78-85.	4.6	42
8	Compact differential power divider with enhanced bandwidth and in-phase or out-of-phase output ports. Electronics Letters, 2014, 50, 1209-1211.	1.0	37
9	A Compact Wideband Phase Shifter Using Slotted Substrate Integrated Waveguide. IEEE Microwave and Wireless Components Letters, 2019, 29, 767-770.	3.2	35
10	High-efficiency circular dense dielectric patch antenna with frequency selectivity. Electronics Letters, 2018, 54, 861-862.	1.0	23
11	A Filtering Antenna With High Frequency Selectivity Using Stacked Dual-Slotted Substrate Integrated Cavities. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1311-1315.	4.0	13
12	The Compact Balanced Filtering Power Divider With In-Phase or Out-of-Phase Output Using H-Shape Resonators. IEEE Access, 2018, 6, 38490-38497.	4.2	12
13	Compact Wideband Differential Bandpass Filter Using Coupled Microstrip Lines and Capacitors. IEEE Microwave and Wireless Components Letters, 2019, 29, 444-446.	3.2	12
14	Balanced ring hybrid with arbitrary power division ratio. Electronics Letters, 2017, 53, 726-728.	1.0	11
15	Compact Dual-Strip Coupled Dual-Patch Antenna for Millimeter-Wave AiP Applications. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 577-581.	4.0	11
16	Synthesis Design on Wideband Single-Ended and Differential Dual-Band Filtering Impedance Transformer. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 913-917.	3.0	10
17	A Low-Profile 1- $\lambda/2$ Filtering Dipole Array With Small Unit Space and Closely Placed Ground. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 946-950.	4.0	9
18	A differential branch-line coupler. , 2015, , .		7

#	ARTICLE	IF	CITATIONS
19	A Compact Single-Layer Balanced Phase Shifter With Wide Bandwidth and Uniform Reference Line. IEEE Access, 2020, 8, 41530-41536.	4.2	7
20	A High-Efficiency Dual-Band Self-Filtering Antenna Based on Three Dense Dielectric Strip Resonators. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1532-1536.	4.0	7
21	Broadband Coaxial Rotary Joint With Simple Substrate Integrated Waveguide Feeder. IEEE Access, 2019, 7, 139499-139503.	4.2	6
22	Compact Balanced Substrate Integrated Waveguide Filter With Low Insertion Loss. IEEE Access, 2019, 7, 126111-126115.	4.2	6
23	Dual-band filtering power divider based on center-fed three-line coupled structure. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22294.	1.2	5
24	A compact filtering antenna using dielectric strip resonator and parallel microstrip feed line. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22334.	1.2	5
25	Balanced-to-single-ended filtering power dividers. , 2016, , .		4
26	Compact single-layer bandwidth-enhanced balanced bandpass filter using half-mode substrate-integrated waveguide. Electronics Letters, 2019, 55, 697-699.	1.0	4
27	Intelligent train operation based on deep learning from excellent driver manipulation patterns. IET Intelligent Transport Systems, 2022, 16, 1177-1192.	3.0	4
28	A microstrip differential power divider. , 2016, , .		3
29	A planar balanced branch-line coupler with filtering function. , 2018, , .		3
30	Compact wideband differential filtering power divider based on three-line coupled structure with lumped elements. Electronics Letters, 2020, 56, 609-611.	1.0	3
31	A Voltage-Controlled Tunable Differential Dual-Band Bandpass Filter With Compact Size and Wide Tuning Range. IEEE Transactions on Industrial Electronics, 2021, 68, 9952-9962.	7.9	3
32	An In-Phase Balanced-to-Single-Ended Power Divider with Arbitrary Power Division Ratio. , 2018, , .		2
33	Dual-band filtering power divider with unequal power division ratio and low-loss characteristic. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22149.	1.2	2
34	A Wideband mm-Wave Substrate Integrated Waveguide-Fed Endfire Antenna Using Double-Faced Multiple Dielectric Patches. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1453-1457.	4.0	2
35	Negative group delay power dividing network with balanced-to-single-ended topology. IET Microwaves, Antennas and Propagation, 2019, 13, 1705-1710.	1.4	2
36	Wideband balanced microstrip-to-microstrip vertical transition. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21549.	1.2	1

#	ARTICLE	IF	CITATIONS
37	Filtering balanced-to-single-ended power dividing network. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21547.	1.2	1
38	A self-packaged wideband filtering power divider based on substrate-integrated suspended line. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22042.	1.2	1
39	An Approach to $N$ -Stage Balanced-to-Single- Ended Out-of-Phase Power Divider With Enhanced Operating Bandwidth. IEEE Access, 2020, 8, 13584-13592.	4.2	1
40	Mutual coupling reduction in wideband dielectric resonator antennas. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	1
41	A planar balanced-to-balanced filtering power divider with in-band common-mode suppressions and self-isolation. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	1
42	Compact 1 to 2/4 balanced power dividers. , 2016, , .		0
43	Filtering balanced-to-single-ended power divider with arbitrary power division ratio. , 2017, , .		0
44	Filtering balanced/balanced-to-single-ended networks. , 2017, , .		0
45	A Differential 90° Phase Shifter with Controllable Common-Mode Suppression. , 2018, , .		0
46	Balanced Circuits Based on Half-Wavelength Microstrip Line. , 2018, , .		0
47	The Methods for Generating Radiation Null in Filtering Antennas. , 2019, , .		0
48	A $n$ -way single-ended-to-balanced substrate integrated waveguide filtering power splitter. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22223.	1.2	0
49	The Compact Filtering Dielectric Antenna Based on Dielectric Strip Resonator. , 2021, , .		0
50	A millimeter-wave dual-polarized stacked patch antenna with enhanced bandwidth and low profile. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	0
51	High Isolation Dielectric Resonator Antenna with Wideband. , 2021, , .		0