

Anh-Vu Pham

List of Publications by Year in descending order

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430442

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97
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97
docs citations

97
times ranked

957
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Technologies and Design Techniques of Millimeter-Wave Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2957-2983.	2.9	104
2	Triple bands antenna and high efficiency rectifier design for RF energy harvesting at 900, 1900 and 2400 MHz. , 2013, , .		80
3	A high-gain 60GHz power amplifier with 20dBm output power in 90nm CMOS. , 2010, , .		77
4	A Bidirectional Microstrip X-Band Antenna Array on Liquid Crystal Polymer for Beamforming Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 3364-3368.	3.1	76
5	A 28-GHz Symmetrical Doherty Power Amplifier Using Stacked-FET Cells. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2628-2637.	2.9	46
6	A Doherty Amplifier With Modified Load Modulation Scheme Based on Loadâ€œPull Data. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 227-236.	2.9	42
7	An Ultra Compact Watt-Level Ka-Band Stacked-FET Power Amplifier. IEEE Microwave and Wireless Components Letters, 2016, 26, 516-518.	2.0	36
8	Development of Thin-Film Liquid-Crystal-Polymer Surface-Mount Packages for \$Ka\$-Band Applications. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2111-2117.	2.9	33
9	A K-Band High Power and High Isolation Stacked-FET Single Pole Double Throw MMIC Switch Using Resonating Capacitor. IEEE Microwave and Wireless Components Letters, 2016, 26, 696-698.	2.0	33
10	Demonstration of Spectral Phase O-CDMA Encoding and Decoding in Monolithically Integrated Arrayed-Waveguide-Grating-Based Encoder. IEEE Photonics Technology Letters, 2006, 18, 2602-2604.	1.3	29
11	A 14â€œ31 GHz 1.25 dB NF enhancement mode GaAs pHEMT low noise amplifier. , 2017, , .		27
12	Development of low-loss broad-band planar baluns using multilayered organic thin films. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 3648-3655.	2.9	26
13	A CMOS Power Amplifier for Full-Band UWB Transmitters. , 0, , .		26
14	A Novel Broadband Even-Mode Matching Network for Marchand Baluns. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 2973-2980.	2.9	26
15	A Ka-Band doherty power amplifier with 25.1 dBm output power, 38% peak PAE and 27% back-off PAE. , 2013, , .		25
16	A Compact <italic>Ka</italic>-Band Integrated Doherty Amplifier With Reconfigurable Input Network. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 205-215.	2.9	25
17	A Ka-band asymmetrical stacked-FET MMIC Doherty power amplifier. , 2017, , .		24
18	Wide-Bandwidth Power-Combining and Inverse Class-F GaN Power Amplifier at \$X\$-Band. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1291-1300.	2.9	23

#	ARTICLE	IF	CITATIONS
19	A 1.5-88 GHz 19.5 dBm output power triple stacked HBT InP distributed amplifier. , 2017, , .		22
20	Design and Fabrication of Ultra-Wideband Baluns Embedded in Multilayer Liquid Crystal Polymer Flex. IEEE Transactions on Advanced Packaging, 2007, 30, 533-540.	1.7	21
21	Ka-band doherty power amplifier with 26.9 dBm output power, 42% peak PAE and 32% back-off PAE using GaAs PHEMTs. IET Microwaves, Antennas and Propagation, 2016, 10, 1101-1105.	0.7	21
22	Packaging with Liquid Crystal Polymer. IEEE Microwave Magazine, 2011, 12, 83-91.	0.7	20
23	Millimeter-Wave Dual-Polarized High-Isolation Antennas and Arrays on Organic Substrates. IEEE Transactions on Antennas and Propagation, 2013, 61, 5948-5957.	3.1	20
24	A compact 29% PAE at 6 dB power back-off E-mode GaAs pHEMT MMIC Doherty power amplifier at Ka-band. , 2017, , .		20
25	Development of Multilayer Organic Modules for Hermetic Packaging of RF MEMS Circuits. , 2006, , .		19
26	A Wideband Highly Linear Distributed Amplifier Using Intermodulation Cancellation Technique for Stacked-HBT Cell. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2984-2997.	2.9	19
27	A High Efficiency High Power Density Harmonic-Tuned Ka Band Stacked-FET GaAs Power Amplifier. , 2016, , .		18
28	A Wideband Gain-Enhancement Technique for Distributed Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3697-3708.	2.9	18
29	Electrical properties and practical applications of Liquid Crystal Polymer flex. , 2007, , .		17
30	Development of Wideband and High IIP3 Millimeter-Wave Mixers. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3071-3079.	2.9	17
31	A 1.5-45-GHz High-Power 2-D Distributed Voltage-Controlled Attenuator. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4208-4217.	2.9	17
32	A 1-160-GHz InP Distributed Amplifier Using 3-D Interdigital Capacitors. IEEE Microwave and Wireless Components Letters, 2020, 30, 492-495.	2.0	17
33	Highly Linear Distributed Mixer in 0.25- μm Enhancement-Mode GaAs pHEMT Technology. IEEE Microwave and Wireless Components Letters, 2017, 27, 1116-1118.	2.0	15
34	Development of Thin-Film Liquid Crystal Polymer Surface Mount Packages for Ka-band Applications. , 2006, , .		12
35	Development of a Compact Broadband Folded Hybrid Coupler on Multilayer Organic Substrate. IEEE Microwave and Wireless Components Letters, 2010, 20, 76-78.	2.0	12
36	Development of Helical circular coils for wireless through-metal inductive power transfer. , 2017, , .		12

#	ARTICLE	IF	CITATIONS
37	A Highly Linear InP Distributed Amplifier Using Ultra-wideband Intermodulation Feedforward Linearization. , 2018, , .		12
38	A Wideband High Efficiency Ka-Band MMIC Power Amplifier for 5G Wireless Communications. , 2019, , .		12
39	Multilayer Organic Multichip Module Implementing Hybrid Microelectromechanical Systems. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 952-958.	2.9	10
40	The Ultrawideband Elliptical Resistively Loaded Vee Dipole. IEEE Transactions on Antennas and Propagation, 2020, 68, 2523-2530.	3.1	10
41	Development of a broadband Wilkinson power combiner on Liquid Crystal Polymer. , 2009, , .		9
42	Compact Wide Bandwidth Balun Based on Modified Asymmetric Broadside Coupled Lines. IEEE Microwave and Wireless Components Letters, 2012, 22, 624-626.	2.0	9
43	Development of a wide bandwidth Wilkinson power divider on multilayer organic substrates. Microwave and Optical Technology Letters, 2010, 52, 1606-1609.	0.9	8
44	Wide bandwidth inverse class F power amplifier with novel balun harmonic matching network. , 2012, , .		8
45	Dual Band Band-Pass Filter With Wide Stopband on Multilayer Organic Substrate. IEEE Microwave and Wireless Components Letters, 2013, 23, 193-195.	2.0	8
46	Comparison of Highly Linear Resistive Mixers in Depletion and Enhancement Mode GaAs and GaN pHEMTs at Ka Band. , 2018, , .		8
47	Development of molded liquid crystal polymer surface mount packages for millimeter wave applications. , 0, , .		7
48	A W-Band × 8 series fed patch array detector on Liquid Crystal Polymer. , 2012, , .		7
49	High efficiency push-pull inverse class F power amplifier using a balun and harmonic trap waveform shaping network. , 2010, , .		6
50	Minimizing Timing Jitterâ€™s Impact on Ground-Penetrating Radar Array Coupling Signals. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4717-4724.	2.7	6
51	A Wideband SiGe Power Amplifier Using Modified Triple Stacked-HBT Cell. IEEE Microwave and Wireless Components Letters, 2021, 31, 52-55.	2.0	6
52	High power linearized RF phase shifter using anti-series diodes. IEEE Microwave and Wireless Components Letters, 2006, 16, 200-202.	2.0	5
53	Error-free spectral encoding and decoding operation of InP O-CDMA encoder. , 2006, , .		5
54	Microwave velocity and impedance tuning of travelingâ€™wave modulator using ion implantation for monolithic integrated photonic systems. Microwave and Optical Technology Letters, 2008, 50, 2151-2155.	0.9	5

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55	A light weight 8-element broadband phased array receiver on Liquid Crystal Polymer. , 2010, , .		5
56	A 23:1 bandwidth ratio balun on multilayer organic substrate. , 2013, , .		5
57	Band-notched UWB equiangular spiral antenna. , 2014, , .		5
58	Development of a highly linear Ka-band power amplifier using second harmonic injection linearization. , 2016, , .		5
59	Characterization, Analysis, and Implementation of Integrated Bandstop Structures on Ultra-Wideband Archimedean Spiral Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 1999-2004.	3.1	5
60	High efficiency power amplifiers for 5G wireless communications. , 2017, , .		5
61	Wireless power transfer through metal using inductive link. International Journal of Power Electronics and Drive Systems, 2019, 10, 1906.	0.5	5
62	A wideband composite right/left hand rectenna for UHF energy harvesting applications. , 2012, , .		4
63	23:1 Bandwidth ratio quasi-lumped component balun on a multilayer organic substrate. IET Microwaves, Antennas and Propagation, 2016, 10, 561-567.	0.7	4
64	A 74 GHz dual-mode reconfigurable mixer with an integrated active IF balun. , 2017, , .		4
65	Wireless Energy Harvesting System Through Metal for Aerospace Sensor. , 2018, , .		4
66	Design of a Wideband Bandpass Stacked HBT Distributed Amplifier in InP. , 2018, , .		4
67	A 420 GHz, multi-watt level, fully integrated push-pull distributed power amplifier with wideband even-order harmonic suppression. IET Microwaves, Antennas and Propagation, 2019, 13, 2279-2283.	0.7	4
68	Miniature Coil for Wireless Power and Data Transfer through Aluminum. Sensors, 2021, 21, 7573.	2.1	4
69	A Fully Integrated Broadband Power Amplifier with Two-dimensional Linearization. , 2006, , .		3
70	A wideband and high gain V-band EBG patch antenna on liquid crystal polymer. , 2011, , .		3
71	Development of a Liquid Crystal Polymer low noise amplifier module at Ka-band. , 2014, , .		3
72	High dynamic range X-band MMIC VGLNA for transmit/receive module. , 2016, , .		3

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73	Design of 600-W Low-Loss Ultra-Wideband Ferriteless Balun. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 902-910.	2.9	3
74	Design of a Wideband Resistively Loaded Vee Dipole Fed by an Even-Mode Matched Marchand Balun. , 2018, , .		3
75	Miniature Coil Design for Through Metal Wireless Power Transfer. , 2021, , .		3
76	Detecting the Presence of Intrusive Drilling in Secure Transport Containers Using Non-Contact Millimeter-Wave Radar. Sensors, 2022, 22, 2718.	2.1	3
77	Compact Wilkinson power divider based on novel via-less composite right/left-handed (CRLH) transmission lines. , 2010, , .		2
78	A bidirectional X-band antenna array on Liquid Crystal Polymer. , 2011, , .		2
79	A Low Cost 8 Å– 8 Wâ€Band Substrate Integrated Waveguide Antenna Array Detector on LCP. Microwave and Optical Technology Letters, 2013, 55, 1825-1830.	0.9	2
80	Archimedean spiral antenna with an integrated dual bandstop response. , 2015, , .		2
81	A 46: 1 Bandwidth Ratio Balun on Multilayer Organic Substrate. , 2015, , .		2
82	Ultrawideband Compact 50:200 Ohm Guanella Balun Using Asymmetric Broadside-Coupled Lines. , 2018, , .		2
83	Novel stackedâ€defected ground structures for ultraâ€wideband low loss balun designs. Microwave and Optical Technology Letters, 2019, 61, 2008-2012.	0.9	2
84	High Gain High Efficiency Doherty Amplifiers with Optimized Driver Stages. , 2019, , .		2
85	Liquid Crystal Polymer for RF and Millimeter-Wave Multi-Layer Hermetic Packages and Modules. , 2010, , 91-113.		2
86	A novel multiband phase shifter with loss compensation in 180 nm RF CMOS technology. , 2005, , .		1
87	Compact wilkinson power divider on multilayer org anic substrate. , 2012, , .		1
88	An automated fault detection program for multichannel bandwidth-limited system. , 2017, , .		1
89	Inverted-F Antenna Radiation Efficiency Enhancement based on a Slotted Ground. , 2018, , .		1
90	Second-Harmonic Injection Linearization of Millimeter-Wave FET Resistive Mixers. IEEE Microwave and Wireless Components Letters, 2019, 29, 669-672.	2.0	1

#	ARTICLE	IF	CITATIONS
91	A wideband high dynamic range triple-stacked FET dual-shunt distributed analogue voltage controlled attenuator. IET Microwaves, Antennas and Propagation, 2021, 15, 474-480.	0.7	1
92	A Review of Millimeter-wave InP Distributed Amplifiers. , 2022, , .		1
93	Development of compact resonator and transmission lines based on multi-layer CRLH structure. , 2009, , .		0
94	K-band near-hermetic surface mount package using liquid crystal polymer for high power applications. , 2010, , .		0
95	Realizing sub-diffraction focusing for terahertz. , 2019, , .		0