

# Anh-Vu Pham

## List of Publications by Year in descending order

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95  
papers

1,328  
citations

430442

18  
h-index

525886

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g-index

97  
all docs

97  
docs citations

97  
times ranked

957  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting the Presence of Intrusive Drilling in Secure Transport Containers Using Non-Contact Millimeter-Wave Radar. <i>Sensors</i> , 2022, 22, 2718.	2.1	3
2	A Review of Millimeter-wave InP Distributed Amplifiers. , 2022, , .		1
3	Minimizing Timing Jitter's Impact on Ground-Penetrating Radar Array Coupling Signals. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 4717-4724.	2.7	6
4	A Wideband SiGe Power Amplifier Using Modified Triple Stacked-HBT Cell. <i>IEEE Microwave and Wireless Components Letters</i> , 2021, 31, 52-55.	2.0	6
5	A wideband high dynamic range triple-stacked FET dual-shunt distributed analogue voltage controlled attenuator. <i>IET Microwaves, Antennas and Propagation</i> , 2021, 15, 474-480.	0.7	1
6	Miniature Coil Design for Through Metal Wireless Power Transfer. , 2021, , .		3
7	Miniature Coil for Wireless Power and Data Transfer through Aluminum. <i>Sensors</i> , 2021, 21, 7573.	2.1	4
8	The Ultrawideband Elliptical Resistively Loaded Vee Dipole. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 2523-2530.	3.1	10
9	A Wideband Gain-Enhancement Technique for Distributed Amplifiers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 3697-3708.	2.9	18
10	A Wideband Highly Linear Distributed Amplifier Using Intermodulation Cancellation Technique for Stacked-HBT Cell. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 2984-2997.	2.9	19
11	A 160-GHz InP Distributed Amplifier Using 3-D Interdigital Capacitors. <i>IEEE Microwave and Wireless Components Letters</i> , 2020, 30, 492-495.	2.0	17
12	A Review of Technologies and Design Techniques of Millimeter-Wave Power Amplifiers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 2957-2983.	2.9	104
13	A Wideband High Efficiency Ka-Band MMIC Power Amplifier for 5G Wireless Communications. , 2019, , .		12
14	Novel stacked-defected ground structures for ultra-wideband low loss balun designs. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 2008-2012.	0.9	2
15	High Gain High Efficiency Doherty Amplifiers with Optimized Driver Stages. , 2019, , .		2
16	A 20 GHz, multi-watt level, fully integrated push-pull distributed power amplifier with wideband even-order harmonic suppression. <i>IET Microwaves, Antennas and Propagation</i> , 2019, 13, 2279-2283.	0.7	4
17	Realizing sub-diffraction focusing for terahertz. , 2019, , .		0
18	Second-Harmonic Injection Linearization of Millimeter-Wave FET Resistive Mixers. <i>IEEE Microwave and Wireless Components Letters</i> , 2019, 29, 669-672.	2.0	1

#	ARTICLE	IF	CITATIONS
19	A Compact &lt;italic>Ka&lt;/italic>-Band Integrated Doherty Amplifier With Reconfigurable Input Network. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 205-215.	2.9	25
20	Wireless power transfer through metal using inductive link. International Journal of Power Electronics and Drive Systems, 2019, 10, 1906.	0.5	5
21	Design of 600-W Low-Loss Ultra-Wideband Ferriteless Balun. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 902-910.	2.9	3
22	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
23	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
24	Ultrawideband Compact 50:200 Ohm Guanella Balun Using Asymmetric Broadside-Coupled Lines. , 2018, , .		2
25	Design of a Wideband Resistively Loaded Vee Dipole Fed by an Even-Mode Matched Marchand Balun. , 2018, , .		3
26	Inverted-F Antenna Radiation Efficiency Enhancement based on a Slotted Ground. , 2018, , .		1
27	Wireless Energy Harvesting System Through Metal for Aerospace Sensor. , 2018, , .		4
28	A Highly Linear InP Distributed Amplifier Using Ultra-wideband Intermodulation Feedforward Linearization. , 2018, , .		12
29	Design of a Wideband Bandpass Stacked HBT Distributed Amplifier in InP. , 2018, , .		4
30	Comparison of Highly Linear Resistive Mixers in Depletion and Enhancement Mode GaAs and GaN pHEMTs at Ka Band. , 2018, , .		8
31	Development of Wideband and High IIP3 Millimeter-Wave Mixers. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3071-3079.	2.9	17
32	A 1.5â€œ45-GHz High-Power 2-D Distributed Voltage-Controlled Attenuator. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4208-4217.	2.9	17
33	A 14â€œ31 GHz 1.25 dB NF enhancement mode GaAs pHEMT low noise amplifier. , 2017, , .		27
34	A Ka-band asymmetrical stacked-FET MMIC Doherty power amplifier. , 2017, , .		24
35	High efficiency power amplifiers for 5G wireless communications. , 2017, , .		5
36	Development of Helical circular coils for wireless through-metal inductive power transfer. , 2017, , .		12

#	ARTICLE	IF	CITATIONS
37	A 1.5-18 GHz 19.5 dBm output power triple stacked HBT InP distributed amplifier. , 2017, , .		22
38	A 7-42 GHz dual-mode reconfigurable mixer with an integrated active IF balun. , 2017, , .		4
39	A compact 29% PAE at 6 dB power back-off E-mode GaAs pHEMT MMIC Doherty power amplifier at Ka-band. , 2017, , .		20
40	Highly Linear Distributed Mixer in 0.25- $\mu\text{m}$ Enhancement-Mode GaAs pHEMT Technology. IEEE Microwave and Wireless Components Letters, 2017, 27, 1116-1118.	2.0	15
41	An automated fault detection program for multichannel bandwidth-limited system. , 2017, , .		1
42	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
43	An Ultra Compact Watt-Level Ka-Band Stacked-FET Power Amplifier. IEEE Microwave and Wireless Components Letters, 2016, 26, 516-518.	2.0	36
44	A High Efficiency High Power Density Harmonic-Tuned Ka Band Stacked-FET GaAs Power Amplifier. , 2016, , .		18
45	Development of a highly linear Ka-band power amplifier using second harmonic injection linearization. , 2016, , .		5
46	High dynamic range X-band MMIC VGLNA for transmit/receive module. , 2016, , .		3
47	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
48	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
49	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
50	Archimedean spiral antenna with an integrated dual bandstop response. , 2015, , .		2
51	A 46: 1 Bandwidth Ratio Balun on Multilayer Organic Substrate. , 2015, , .		2
52	Development of a Liquid Crystal Polymer low noise amplifier module at Ka-band. , 2014, , .		3
53	Band-notched UWB equiangular spiral antenna. , 2014, , .		5
54	A Low Cost 8-8 W-Band Substrate Integrated Waveguide Antenna Array Detector on LCP. Microwave and Optical Technology Letters, 2013, 55, 1825-1830.	0.9	2

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55	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
56	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
57	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
58	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
59	A 23:1 bandwidth ratio balun on multilayer organic substrate. , 2013, , .		5
60	Triple bands antenna and high efficiency rectifier design for RF energy harvesting at 900, 1900 and 2400 MHz. , 2013, , .		80
61	A Ka-Band doherty power amplifier with 25.1 dBm output power, 38% peak PAE and 27% back-off PAE. , 2013, , .		25
62	A wideband composite right/left hand rectenna for UHF energy harvesting applications. , 2012, , .		4
63	Wide bandwidth inverse class F power amplifier with novel balun harmonic matching network. , 2012, , .		8
64	A W-Band 8 &#x00D7; 8 series fed patch array detector on Liquid Crystal Polymer. , 2012, , .		7
65	Compact wilkinson power divider on multilayer org anic substrate. , 2012, , .		1
66	Compact Wide Bandwidth Balun Based on Modified Asymmetric Broadside Coupled Lines. IEEE Microwave and Wireless Components Letters, 2012, 22, 624-626.	2.0	9
67	Packaging with Liquid Crystal Polymer. IEEE Microwave Magazine, 2011, 12, 83-91.	0.7	20
68	A bidirectional X-band antenna array on Liquid Crystal Polymer. , 2011, , .		2
69	A wideband and high gain V-band EBG patch antenna on liquid crystal polymer. , 2011, , .		3
70	Development of a wide bandwidth Wilkinson power divider on multilayer organic substrates. Microwave and Optical Technology Letters, 2010, 52, 1606-1609.	0.9	8
71	High efficiency push-pull inverse class F power amplifier using a balun and harmonic trap waveform shaping network. , 2010, , .		6
72	K-band near-hermetic surface mount package using liquid crystal polymer for high power applications. , 2010, , .		0

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73	A light weight 8-element broadband phased array receiver on Liquid Crystal Polymer. , 2010, , .		5
74	Compact Wilkinson power divider based on novel via-less composite right/left-handed (CRLH) transmission lines. , 2010, , .		2
75	A high-gain 60GHz power amplifier with 20dBm output power in 90nm CMOS. , 2010, , .		77
76	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
77	Liquid Crystal Polymer for RF and Millimeter-Wave Multi-Layer Hermetic Packages and Modules. , 2010, , 91-113.		2
78	Development of a broadband Wilkinson power combiner on Liquid Crystal Polymer. , 2009, , .		9
79	A Novel Broadband Even-Mode Matching Network for Marchand Baluns. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 2973-2980.	2.9	26
80	Development of compact resonator and transmission lines based on multi-layer CRLH structure. , 2009, , .		0
81	Microwave velocity and impedance tuning of traveling wave modulator using ion implantation for monolithic integrated photonic systems. Microwave and Optical Technology Letters, 2008, 50, 2151-2155.	0.9	5
82	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
83	Multilayer Organic Multichip Module Implementing Hybrid Microelectromechanical Systems. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 952-958.	2.9	10
84	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
85	Electrical properties and practical applications of Liquid Crystal Polymer flex. , 2007, , .		17
86	Development of Multilayer Organic Modules for Hermetic Packaging of RF MEMS Circuits. , 2006, , .		19
87	High power linearized RF phase shifter using anti-series diodes. IEEE Microwave and Wireless Components Letters, 2006, 16, 200-202.	2.0	5
88	A Fully Integrated Broadband Power Amplifier with Two-dimensional Linearization. , 2006, , .		3
89	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
90	Error-free spectral encoding and decoding operation of InP O-CDMA encoder. , 2006, , .		5

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91	Development of Thin-Film Liquid Crystal Polymer Surface Mount Packages for Ka-band Applications. , 2006, , .		12
92	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
93	A novel multiband phase shifter with loss compensation in 180 nm RF CMOS technology. , 2005, , .		1
94	Development of molded liquid crystal polymer surface mount packages for millimeter wave applications. , 0, , .		7
95	A CMOS Power Amplifier for Full-Band UWB Transmitters. , 0, , .		26