

Spyridon Pavlidis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3204653/publications.pdf>

Version: 2024-02-01

29
papers

370
citations

1040056

9
h-index

888059

17
g-index

29
all docs

29
docs citations

29
times ranked

577
citing authors

#	ARTICLE	IF	CITATIONS
1	GaN lateral polar junction arrays with 3D control of doping by supersaturation modulated growth: A path toward III-nitride superjunctions. Journal of Applied Physics, 2022, 131, 015703.	2.5	8
2	Large Area, Solar Blind, Sub-250 nm Detection AlGa _N Avalanche Photodiodes Grown on AlN Substrates. Physica Status Solidi - Rapid Research Letters, 2022, 16, .	2.4	9
3	Record >10 ⁶ MV/cm mesa breakdown fields in Al _{0.85} Ga _{0.15} N/Al _{0.6} Ga _{0.4} N high electron mobility transistors on native AlN substrates. Applied Physics Letters, 2022, 120, .	3.3	9
4	Schottky contacts to N-polar GaN with SiN interlayer for elevated temperature operation. Applied Physics Letters, 2022, 120, .	3.3	0
5	(Invited, Digital Presentation) Exploring Interfaces and Polarity to Realize Vertical III-Nitride Superjunction Devices. ECS Meeting Abstracts, 2022, MA2022-01, 1313-1313.	0.0	0
6	On the characteristics of N-polar GaN Schottky barrier contacts with LPCVD SiN interlayers. Applied Physics Letters, 2021, 118, .	3.3	3
7	High <i>n</i> -type conductivity and carrier concentration in Si-implanted homoepitaxial AlN. Applied Physics Letters, 2021, 118, .	3.3	25
8	On the Ge shallow-to-deep level transition in Al-rich AlGa _N . Journal of Applied Physics, 2021, 130, .	2.5	5
9	Study on avalanche breakdown and Poole-Frenkel emission in Al-rich AlGa _N grown on single crystal AlN. Applied Physics Letters, 2021, 119, .	3.3	10
10	Chemical treatment effects on Schottky contacts to metalorganic chemical vapor deposited n-type N-polar GaN. Journal of Applied Physics, 2020, 128, 064501.	2.5	9
11	High gain, large area, and solar blind avalanche photodiodes based on Al-rich AlGa _N grown on AlN substrates. Applied Physics Letters, 2020, 116, .	3.3	33
12	Role of polarity in SiN on Al/GaN and the pathway to stable contacts. Semiconductor Science and Technology, 2020, 35, 055007.	2.0	7
13	(Invited) A Path Toward Vertical GaN Superjunction Devices. ECS Transactions, 2020, 98, 69-79.	0.5	6
14	p-n-p-Based RF Switches for the Mitigation of Single-Event Transients in a Complementary SiGe BiCMOS Platform. IEEE Transactions on Nuclear Science, 2018, 65, 391-398.	2.0	6
15	An Electrostatic Discharge Protection Circuit Technique for the Mitigation of Single-Event Transients in SiGe BiCMOS Technology. IEEE Transactions on Nuclear Science, 2018, 65, 426-431.	2.0	4
16	Characterization of AlGa _N /GaN HEMTs Using Gate Resistance Thermometry. IEEE Transactions on Electron Devices, 2017, 64, 78-83.	3.0	39
17	Fabrication and characterization of CPW transmission lines with CoFe ₂ O ₄ nanomagnetic thin films. , 2017, , .		1
18	3-D printed substrates for MMIC packaging. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
19	Encapsulated Organic Package Technology for Wideband Integration of Heterogeneous MMICs. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 438-448.	4.6	11
20	Direct correlation between potentiometric and impedance biosensing of antibody-antigen interactions using an integrated system. Applied Physics Letters, 2017, 111, .	3.3	14
21	Size-Scalable and High-Density Liquid-Metal-Based Soft Electronic Passive Components and Circuits Using Soft Lithography. Advanced Functional Materials, 2017, 27, 1604466.	14.9	107
22	Room temperature CO ₂ detection using interdigitated capacitors with heteropolysiloxane sensing films. , 2016, , .		0
23	A 5.4W X-band gallium nitride (GaN) power amplifier in an encapsulated organic package. , 2015, , .		10
24	Aerosol jet printing for 3-D multilayer passive microwave circuitry. , 2014, , .		25
25	A feasibility study of flip-chip packaged gallium nitride HEMTs on organic substrates for wideband RF amplifier applications. , 2014, , .		8
26	A low-cost, encapsulated flip-chip package on organic substrate for wideband gallium nitride (GaN) hybrid amplifiers. , 2014, , .		8
27	A hybrid GaN/organic X-band transmitter module. , 2013, , .		0
28	A hybrid GaN/organic X-band transmitter module. , 2013, , .		2
29	Integrated microfluidic cooling for GaN devices on multilayer organic LCP substrate. , 2013, , .		8