

Vandana Nath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/970706/publications.pdf>

Version: 2024-02-01

33
papers

355
citations

933447

10
h-index

1058476

14
g-index

33
all docs

33
docs citations

33
times ranked

223
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical modeling of Subthreshold region of junctionless double surrounding gate MOSFET (JLDSG). Superlattices and Microstructures, 2016, 90, 8-19.	3.1	58
2	Improved analog and AC performance with increased noise immunity using nanotube junctionless field effect transistor (NJLFET). Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	34
3	Hafnium oxide based cylindrical junctionless double surrounding gate (CJLDSG) MOSFET for high speed, high frequency digital and analog applications. Microsystem Technologies, 2019, 25, 1527-1536.	2.0	31
4	Introducing Multiband and Wideband Microstrip Patch Antennas Using Fractal Geometries: Development in Last Decade. Wireless Personal Communications, 2018, 98, 2079-2105.	2.7	30
5	Analysis of low mutual coupling compact multi-band microstrip patch antenna and its array using defected ground structure. Engineering Science and Technology, an International Journal, 2016, 19, 866-874.	3.2	25
6	Novel design to improve band to band tunneling and gate induced drain leakages (GIDL) in cylindrical gate all around (GAA) MOSFET. Microsystem Technologies, 2019, 25, 1537-1546.	2.0	25
7	Dual metal Schottky barrier asymmetric gate stack cylindrical gate all around (DM-SB-ASMGS-CGAA) MOSFET for improved analog performance for high frequency application. Microsystem Technologies, 2022, 28, 761-770.	2.0	21
8	Impact of Reverse Gate Oxide Stacking on Gate All Around Tunnel FET for High Frequency Analog and RF Applications. , 2020, , .		15
9	Gate-Induced Drain Leakage Reduction in Cylindrical Dual-Metal Hetero-Dielectric Gate All Around MOSFET. IEEE Transactions on Electron Devices, 2017, , 1-8.	3.0	14
10	Design and development of triple-band compact ACS-fed MIMO antenna for 2.4/3.5/5GHz WLAN/WiMAX applications. Analog Integrated Circuits and Signal Processing, 2020, 103, 461-470.	1.4	13
11	Microstrip-fed elliptical wide-slot antenna with similar parasitic patch for multiband applications. IET Microwaves, Antennas and Propagation, 2018, 12, 2172-2178.	1.4	12
12	Mitigation of Atmospheric Turbulence in Free Space Optics: A Review. , 2015, , .		8
13	Silicon carbide based DSG MOSFET for high power, high speed and high frequency applications. , 2014, , .		7
14	Dual metal (DM) Insulated Shallow Extension (ISE) Gate All Around (GAA) MOSFET to reduce gate induced drain leakages (GIDL) for improved analog performance. , 2017, , .		7
15	A Compact Flower-Shaped Printed Monopole MIMO Antenna for Wideband Applications. Radio Science, 2019, 54, 963-974.	1.6	7
16	Optimization of Asymmetric ĩ Gate HEMT for Improved Reliability & Frequency Applications. , 2019, , .		7
17	A circularly polarized printed elliptical wide-slot antenna with high bandwidth-dimension-ratio for wireless applications. Wireless Networks, 2020, 26, 5485-5499.	3.0	7
18	Comparison of Linearity and Intermodulation Distortion Metrics for T - and Pi - Gate HEMT. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
19	Design and simulation of tri-band spidron fractal equilateral triangle microstrip antenna. , 2016, , .		5
20	Dual-band microstrip line-fed antenna with fractal Spidron defected ground structure. , 2016, , .		4
21	Circularly Polarized Microstrip-Line-Fed Antenna with Rotated Elliptical Slot Serving Satellite Communications. Wireless Personal Communications, 2020, 110, 1443-1458.	2.7	4
22	GaN based Junctionless Double Surrounding Gate (JLD SG) MOSFET for high power, high voltage and high frequency applications. , 2016, , .		3
23	Multiband CPW-fed Circular Microstrip Antenna with Modified Cantor Fractal Slot for DCS/GPS/WiMAX/WLAN/HIPERLAN2 Applications. , 2018, , .		3
24	A high BDR microstrip line fed antenna with multiple asymmetric elliptical wide-slots for wideband applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22202.	1.2	3
25	Schottky Barrier Double Surrounding Gate MOSFET for High-Frequency Implementation. , 2020, , .		2
26	Improved cross polarization and wideband multilayer wide-slot microstrip antenna with rotated parasitic patch. , 2017, , .		1
27	Dual-Band Dual-Polarized Stacked Octagonal Fractal Patch Antenna with Nonlinear Manipulation. , 2018, , .		1
28	Triple Band Non-Linear Manipulated Sierpinski-Knopp Fractal Wide-Slot Microstrip Antenna with Inverted L-shaped Strip. , 2018, , .		1
29	Dual-band elliptical wide-slot antenna with high BDR for portable wireless applications. International Journal of Electronics, 2021, 108, 442-461.	1.4	1
30	An efficient high performance turbo code implementation in Rayleigh fading channel. , 2014, , .		0
31	AC analysis of Junctionless Double Surrounding Gate (JLD SG) MOSFET for Tera Hertz applications. , 2016, , .		0
32	A numerical model of GaN based cylindrical junctionless gate all around MOSFET for subthreshold region at cryogenic temperatures. , 2017, , .		0
33	Open Ended Microstrip-line-fed Compact Wideband MIMO-Diversity Antenna with Multiple Asymmetric Elliptical Wide-Slots. , 2019, , .		0