

# Vandana Nath

## List of Publications by Year in descending order

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23  
papers

313  
citations

1163117

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h-index

1125743

13  
g-index

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all docs

23  
docs citations

23  
times ranked

176  
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	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
10	Silicon carbide based DSG MOSFET for high power, high speed and high frequency applications. , 2014, , .		7
11	Optimization of Asymmetric $\Gamma$ Gate HEMT for Improved Reliability & Frequency Applications. , 2019, , .		7
12	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
13	Enhanced Analog Performance and High-Frequency Applications of Dielectric Engineered High-K Schottky Nanowire FET. Silicon, 2022, 14, 9733-9749.	3.3	7
14	Comparison of Linearity and Intermodulation Distortion Metrics for T - and Pi - Gate HEMT. , 2019, , .		6
15	Design and simulation of tri-band spidron fractal equilateral triangle microstrip antenna. , 2016, , .		5
16	Dual-band microstrip line-fed antenna with fractal Spidron defected ground structure. , 2016, , .		4
17	Circularly Polarized Microstrip-Line-Fed Antenna with Rotated Elliptical Slot Serving Satellite Communications. Wireless Personal Communications, 2020, 110, 1443-1458.	2.7	4
18	Development and Integration of 1-D and 2-D Electromagnetic Band Gap Structures with Sierpinski and Minkowski Microstrip Fractal Antenna. Journal of Computational Intelligence and Electronic Systems, 2014, 3, 168-176.	0.1	4

#	ARTICLE	IF	CITATIONS
19	GaN based Junctionless Double Surrounding Gate (JLDSC) MOSFET for high power, high voltage and high frequency applications. , 2016, , .		3
20	A high BDR microstripâ€line fed antenna with multiple asymmetric elliptical wideâ€slots for wideband applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22202.	1.2	3
21	Gallium Nitride Cylindrical Schottky Barrier MOSFET(GaN-CSB-MOSFET) For High-Frequency Implementation. , 2021, , .		3
22	Dual-Band Dual-Polarized Stacked Octagonal Fractal Patch Antenna with Nonlinear Manipulation. , 2018, , .		1
23	Dual-band elliptical wide-slot antenna with high BDR for portable wireless applications. International Journal of Electronics, 2021, 108, 442-461.	1.4	1