Khushwant Sehra

List of Publications by Year
in descending order

25	151	1163117	1372567
25	**151**	**8**	**10**
papers	citations	h-index	g-index

25	**25**	**25**	**97**
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emerging Device Architectures for Space Electronics. , 2023, , 181-208.		1
2	Advances in DC/RF Performance of AlGaN/GaN MIS-HEMT by Incorporating Dual Metal Gate Architecture. IETE Technical Review (Institution of Electronics and Telecommunication Engineers,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		
3	Optimization of Ï€ â€" Gate AlGaN/AlN/GaN HEMTs for Low Noise and High Gain Applications. Silicon, 2022, 14, 393-404.	3.3	12
4	Interplay Between <i>Î³</i>â€"Ray Irradiation and 3DEG for Dosimeter Applications. IEEE Access, 2022, 10, 25811-25827.	4.2	2
5	Impact of Gamma Radiations on Static, Pulsed <i>Iâ€"V</i>, and RF Performance Parameters of AlGaN/GaN HEMT. IEEE Transactions on Electron Devices, 2022, 69, 2299-2306.	3.0	13
6	Multilayer perceptronâ€"random forest based hybrid machine learningâ€"neural network model for GaN high electron mobility transistor's parameter estimations. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	2
7	A Î-shaped p-GaN HEMT for reliable enhancement mode operation. Microelectronics Reliability, 2022, 133, 114544.	1.7	9
8	Robust and Secure Digital Image Watermarking Technique Using Arnold Transform and Memristive Chaotic Oscillators. IEEE Access, 2021, 9, 72465-72483.	4.2	13
9	Enhancement in Electrical Characteristics of AlGaN/GaN HEMT Using Gate Engineered Dielectric Pocket Dual-Metal Gate. Lecture Notes in Networks and Systems, 2021, , 369-374.	0.7	0
10	An Asymmetric Ï€Â-ÂGate MOSHEMT Architecture for High Frequency Applications. Lecture Notes in Networks and Systems, 2021, , 453-458.	0.7	0
11	Proton irradiation effects on buffer-free gallium nitride on silicon carbide high electron mobility transistor-based radio frequency power amplifier. Semiconductor Science and Technology, 2021, 36, 045019.	2.0	10
12	Degradation Mechanisms in a Proton Irradiated HEMT with 3DEG Conduction and 3DHG as a Back Barrier. , 2021, , .		3
13	TCAD Based Investigation of Single Event Transient Effect in Double Channel AlGaN/GaN HEMT. IEEE Transactions on Device and Materials Reliability, 2021, 21, 416-423.	2.0	11
14	TCAD Investigation of Gate - Lag Measurements on Conventional and Ï€ - Gate AlGaN/GaN HEMTs. , 2020, , .		6
15	Memristor Based Cryptographic Information Processing for Secured Communication Systems. , 2020, , .		3
16	HOG Based Facial Recognition Approach Using Viola Jones Algorithm and Extreme Learning Machine. Lecture Notes in Computer Science, 2019, , 423-435.	1.3	4
17	Optimization of Asymmetric Ï€ Gate HEMT for Improved Reliability & Frequency Applications. , 2019, , .		7
18	Comparison of Linearity and Intermodulation Distortion Metrics for T - and Pi - Gate HEMT. , 2019, , .		6

#	Article	IF	Citations
19	A NOVEL OS-ELM CLASSIFIER BASED ON HOG FEATURE EXTRACTION AND VIOLA JONES ALGORITHM FOR FACIAL RECOGNITION. Issues in Information Systems, 2019, , .	0.1	0
20	Large Scale Dual Tree Complex Wavelet Transform based robust features in PCA and SVD subspace for digital image watermarking. Procedia Computer Science, 2018, 132, 863-872.	2.0	16
21	Investigation of Field Plate Misalignment on Electrical Characteristics of AlGaN/ GaN HEMT. , 2018, , .		2
22	Neuro Fuzzy Architecture for Gray Scale Image Watermarking using Fractal Dimensions. , 2018, , .		4
23	Facile preparation of Silicon/ZnO thin film heterostructures and ultrasensitive toxic gas sensing at room temperature: Substrate dependence on specificity. Analytica Chimica Acta, 2018, 1039, 82-90.	5.4	15
24	Impact of heavy ion particle strike induced single event transients on conventional and Ï€ â€" Gate AlGaN/GaN HEMTs. Semiconductor Science and Technology, 0, , .	2.0	5
25	Secure digital image watermarking using memristor-based hyperchaotic circuit. Visual Computer, 0, , .	3.5	0