

Abhinav

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

172
citations

1307594

7
h-index

1199594

12
g-index

18
all docs

18
docs citations

18
times ranked

90
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical surface potential modeling and simulation of junction-less double gate (JLDG) MOSFET for ultra low-power analog/RF circuits. <i>Microelectronics Journal</i> , 2015, 46, 916-922.	2.0	45
2	Reliability analysis of Junction-less Double Gate (JLDG) MOSFET for analog/RF circuits for high linearity applications. <i>Microelectronics Journal</i> , 2017, 64, 60-68.	2.0	30
3	Reduction of self-heating effect using selective buried oxide (SELBOX) charge plasma based junctionless transistor. <i>AEU - International Journal of Electronics and Communications</i> , 2018, 95, 162-169.	2.9	15
4	Comparative Analysis & Study of Various Leakage Reduction Techniques for Short Channel Devices in Junctionless Transistors: A Review and Perspective. <i>Silicon</i> , 2022, 14, 4423-4445.	3.3	15
5	A Novel Approach to Investigate the Impact of Hetero-High-K Gate Stack on SiGe Junctionless Gate-All-Around (JL-GAA) MOSFET. <i>Silicon</i> , 2022, 14, 1005-1012.	3.3	12
6	A Novel Approach to Model Threshold Voltage and Subthreshold Current of Graded-Doped Junctionless-Gate-All-Around (GD-JL-GAA) MOSFETs. <i>Silicon</i> , 2022, 14, 2989-2997.	3.3	11
7	A Novel Approach to Investigate Analog and Digital Circuit Applications of Silicon Junctionless-Double-Gate (JL-DG) MOSFETs. <i>Silicon</i> , 2022, 14, 7577-7584.	3.3	8
8	Analytical model and performance investigation of electric potential for junctionless cylindrical surrounding gate (JLCSG) MOSFET. , 2017, , .		5
9	An Analysis of Si-tube Based Double-Material Double Gate-All-Around (DMDGAA) MOSFETs. , 2020, , .		5
10	Temperature-Dependent Analytical Modeling of Graded-Channel Gate-All-Around (GC-GAA) Junctionless Field-Effect Transistors (JLFETs). <i>Journal of Electronic Materials</i> , 2021, 50, 3686-3691.	2.2	5
11	Potential Modeling of Oxide Engineered Doping-Less Dual-Material-Double-Gate Siâ€“Ge MOSFET and Its Application. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2018, 13, 1115-1122.	0.5	5
12	Keeper Effect on Nano Scale Silicon Domino Logic Transistors. <i>Silicon</i> , 2022, 14, 6769-6776.	3.3	4
13	Modeling of Threshold Voltage and Subthreshold Current of Junctionless Channel-Modulated Dual-Material Double-Gate (JL-CM-DMDG) MOSFETs. <i>Silicon</i> , 2022, 14, 5495-5502.	3.3	3
14	A Novel Technique to Investigate the Impact of Temperature and Process Parameters on Electrostatic and Analog/RF Performance of Channel Modulated Junctionless Gate-all-around (CM-JL-GAA) MOSFET. <i>Silicon</i> , 2022, 14, 10613-10622.	3.3	3
15	Analytical Modelling and Analysis of Spacer Induced Shallow Source/Drain Extension Junction-Less Double Gate (SDE-JLDG) MOSFET Incorporating Fringing Field Effects. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2018, 13, 168-177.	0.5	1
16	Linearity Distortion & Thermal Stability Analysis of Negative Capacitance based Cylindrical Junction-less Transistors (NC-CylLT). <i>Silicon</i> , 0, , 1.	3.3	1