

Shiromani Balmukund Rahi

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

212
citations

1307594

7
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

124
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogate junctionless tunnel field-effect transistor: future of low-power devices. Journal of Computational Electronics, 2017, 16, 30-38.	2.5	47
2	A review on emerging negative capacitance field effect transistor for low power electronics. Microelectronics Journal, 2021, 116, 105242.	2.0	32
3	High-k double gate junctionless tunnel FET with a tunable bandgap. RSC Advances, 2015, 5, 54544-54550.	3.6	28
4	Temperature effect on hetero structure junctionless tunnel FET. Journal of Semiconductors, 2015, 36, 034002.	3.7	28
5	Improved performance of a junctionless tunnel field effect transistor with a Si and SiGe heterostructure for ultra low power applications. RSC Advances, 2015, 5, 48779-48785.	3.6	26
6	A simulation-based proposed high-k heterostructure AlGaAs/Si junctionless n-type tunnel FET. Journal of Semiconductors, 2014, 35, 114005.	3.7	22
7	Compact analytical model of double gate junction-less field effect transistor comprising quantum-mechanical effect. Journal of Semiconductors, 2015, 36, 024001.	3.7	12
8	Low Power Circuit and System Design Hierarchy and Thermal Reliability of Tunnel Field Effect Transistor. Silicon, 2022, 14, 3233-3243.	3.3	7
9	Analytical Compact Model of Nanowire Junctionless Gate-All-Around MOSFET Implemented in Verilog-A for Circuit Simulation. Silicon, 2022, 14, 10967-10976.	3.3	4
10	Investigation of Analog Parameters and Miller Capacitance Affecting the Circuit Performance of Double Gate Tunnel Field Effect Transistors. Advances in Intelligent Systems and Computing, 2021, , 335-349.	0.6	1