Usha C

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8155746/publications.pdf

Version: 2024-02-01

11	57	2258059	1872680
papers	citations	3	6
		h-index	g-index

12	12	12	23
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analytical Drain Current Model for Fully Depleted Surrounding Gate TFET. Journal of Nano Research, 0, 55, 75-81.	0.8	13
2	A novel 2-D analytical model for the electrical characteristics of a gate-all-around heterojunction tunnel field-effect transistor including depletion regions. Journal of Computational Electronics, 2020, 19, 1144-1153.	2.5	11
3	A new analytical approach to threshold voltage modeling of triple material gate-all-around heterojunction tunnel field effect transistor. Indian Journal of Physics, 2021, 95, 1365-1371.	1.8	8
4	A tunneling FET exploiting in various structures and different models: A review. , 2015, , .		7
5	Electrostatic characteristics of a high-k stacked gate-all-around heterojunction tunnel field-effect transistor using the superposition principle. Journal of Computational Electronics, 2022, 21, 181-190.	2.5	5
6	An Analytical Modeling of Conical Gate-All-Around Tunnel Field Effect Transistor. Silicon, 2021, 13, 2563-2568.	3.3	4
7	Analytical Drain Current Modeling and Simulation of Triple Material Gate-All-Around Heterojunction TFETs Considering Depletion Regions. Semiconductors, 2020, 54, 1634-1640.	0.5	3
8	Modeling of Source Pocket Engineered PNPN Tunnel FET on High-K Buried Oxide (H-BOX) Substrate for Improved ON Current. Silicon, 2022, 14, 10383-10389.	3.3	3
9	A compact two-dimensional analytical model of the electrical characteristics of a triple-material double-gate tunneling FET structure. Journal of Semiconductors, 2019, 40, 122901.	3.7	1
10	Physics based model for potential distribution and threshold voltage of gate-all-around tunnel field effect transistor (GAA-TFET). Materials Today: Proceedings, 2021, 45, 4052-4057.	1.8	1
11	Impact Analysis and Simulation of Cylindrical Nanowire Biosensor. , 2021, , .		1