

Atanu K Saha

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

583
citations

1307594

7
h-index

1588992

8
g-index

8
all docs

8
docs citations

8
times ranked

813
citing authors

#	ARTICLE	IF	CITATIONS
1	A ferroelectric semiconductor field-effect transistor. <i>Nature Electronics</i> , 2019, 2, 580-586.	26.0	317
2	“Negative capacitance” in resistor-ferroelectric and ferroelectric-dielectric networks: Apparent or intrinsic?. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	82
3	Phase field modeling of domain dynamics and polarization accumulation in ferroelectric HZO. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	60
4	Multi-Domain Negative Capacitance Effects in Metal-Ferroelectric-Insulator-Semiconductor/Metal Stacks: A Phase-field Simulation Based Study. <i>Scientific Reports</i> , 2020, 10, 10207.	3.3	50
5	Negative capacitance effects in ferroelectric heterostructures: A theoretical perspective. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	41
6	<i>In</i> ₂ Se ₃ based ferroelectric-semiconductor metal junction for non-volatile memories. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	22
7	Polarization switching in Hf _{0.5} Zr _{0.5} O ₂ -dielectric stack: The role of dielectric layer thickness. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	8
8	Threshold Selector and Capacitive Coupled Assist Techniques for Write Voltage Reduction in Metal-“Ferroelectric”-Metal Field-Effect Transistor. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 6132-6138.	3.0	3