

Jubin Nathawat

List of Publications by Year in descending order

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16
papers

243
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1163117

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docs citations

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times ranked

486
citing authors

#	ARTICLE	IF	CITATIONS
1	Gate-Controlled Metal-Insulator Transition in TiS_3 Nanowire Field-Effect Transistors. ACS Nano, 2019, 13, 803-811.	14.6	54
2	Thermally Assisted Nonvolatile Memory in Monolayer MoS_2 Transistors. Nano Letters, 2016, 16, 6445-6451.	9.1	47
3	Space-charge limited conduction in epitaxial chromia films grown on elemental and oxide-based metallic substrates. AIP Advances, 2019, 9, .	1.3	40
4	Negative Differential Conductance & Hot-Carrier Avalanching in Monolayer WS_2 FETs. Scientific Reports, 2017, 7, 11256.	3.3	18
5	Epitaxial growth of cobalt oxide phases on Ru(0001) for spintronic device applications. Semiconductor Science and Technology, 2017, 32, 095011.	2.0	16
6	Transient hot-carrier dynamics and intrinsic velocity saturation in monolayer MoS_2 . Physical Review Materials, 2020, 4, .	2.4	15
7	Probing charge trapping and joule heating in graphene field-effect transistors by transient pulsing. Semiconductor Science and Technology, 2017, 32, 084005.	2.0	12
8	Transient Response of h-BN-Encapsulated Graphene Transistors: Signatures of Self-Heating and Hot-Carrier Trapping. ACS Omega, 2019, 4, 4082-4090.	3.5	12
9	Evaluating the Sources of Graphene's Resistivity Using Differential Conductance. Scientific Reports, 2017, 7, 10317.	3.3	8
10	Nonvolatile Memory Action Due to Hot-Carrier Charge Injection in Graphene-on-Parylene Transistors. ACS Applied Electronic Materials, 2019, 1, 2260-2267.	4.3	7
11	Graphene on Chromia: A System for Beyond-Room-Temperature Spintronics. Advanced Materials, 2022, 34, e2105023.	21.0	5
12	Asymmetrically Engineered Nanoscale Transistors for On-Demand Sourcing of Terahertz Plasmons. Nano Letters, 2022, 22, 2674-2681.	9.1	4
13	Pulsed studies of intervalley transfer in $\text{Al}_{0.35}\text{In}_{0.65}\text{As}$: A paradigm for valley photovoltaics. Physical Review Materials, 2020, 4, .	2.4	3
14	Universal scaling of weak localization in graphene due to bias-induced dispersion decoherence. Scientific Reports, 2020, 10, 5611.	3.3	1
15	Graphene on Chromia: A System for Beyond-Room-Temperature Spintronics (Adv. Mater. 12/2022). Advanced Materials, 2022, 34, .	21.0	1
16	Remote Mesoscopic Signatures of Induced Magnetic Texture in Graphene. Physical Review Letters, 2021, 126, 086802.	7.8	0