

Jubin Nathawat

List of Publications by Year in descending order

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16
papers

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486
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#	ARTICLE	IF	CITATIONS
1	Graphene on Chromia: A System for Beyond-Room-Temperature Spintronics. <i>Advanced Materials</i> , 2022, 34, e2105023.	21.0	5
2	Asymmetrically Engineered Nanoscale Transistors for On-Demand Sourcing of Terahertz Plasmons. <i>Nano Letters</i> , 2022, 22, 2674-2681.	9.1	4
3	Graphene on Chromia: A System for Beyond-Room-Temperature Spintronics (Adv. Mater. 12/2022). <i>Advanced Materials</i> , 2022, 34, .	21.0	1
4	Remote Mesoscopic Signatures of Induced Magnetic Texture in Graphene. <i>Physical Review Letters</i> , 2021, 126, 086802.	7.8	0
5	Universal scaling of weak localization in graphene due to bias-induced dispersion decoherence. <i>Scientific Reports</i> , 2020, 10, 5611.	3.3	1
6	Transient hot-carrier dynamics and intrinsic velocity saturation in monolayer MoS_2 . <i>Physical Review Materials</i> , 2020, 4, .	2.4	15
7	Pulsed studies of intervalley transfer in $\text{Al}_0.35\text{In}_0.65\text{As}$: A paradigm for valley photovoltaics. <i>Physical Review Materials</i> , 2020, 4, .	2.4	3
8	Nonvolatile Memory Action Due to Hot-Carrier Charge Injection in Graphene-on-Parylene Transistors. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2260-2267.	4.3	7
9	Space-charge limited conduction in epitaxial chromia films grown on elemental and oxide-based metallic substrates. <i>AIP Advances</i> , 2019, 9, .	1.3	40
10	Transient Response of h-BN-Encapsulated Graphene Transistors: Signatures of Self-Heating and Hot-Carrier Trapping. <i>ACS Omega</i> , 2019, 4, 4082-4090.	3.5	12
11	Gate-Controlled Metal-Insulator Transition in TiS_3 Nanowire Field-Effect Transistors. <i>ACS Nano</i> , 2019, 13, 803-811.	14.6	54
12	Probing charge trapping and joule heating in graphene field-effect transistors by transient pulsing. <i>Semiconductor Science and Technology</i> , 2017, 32, 084005.	2.0	12
13	Negative Differential Conductance & Hot-Carrier Avalanching in Monolayer WS_2 FETs. <i>Scientific Reports</i> , 2017, 7, 11256.	3.3	18
14	Evaluating the Sources of Graphene's Resistivity Using Differential Conductance. <i>Scientific Reports</i> , 2017, 7, 10317.	3.3	8
15	Epitaxial growth of cobalt oxide phases on Ru(0001) for spintronic device applications. <i>Semiconductor Science and Technology</i> , 2017, 32, 095011.	2.0	16
16	Thermally Assisted Nonvolatile Memory in Monolayer MoS_2 Transistors. <i>Nano Letters</i> , 2016, 16, 6445-6451.	9.1	47