Achint Jain

List of Publications by Year
in descending order

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16	784	933447 10	1125743 13
papers	citations	h-index	g-index

17	17	17	1718
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proximity-induced high-temperature superconductivity in the topological insulators Bi2Se3 and Bi2Te3. Nature Communications, 2012, 3, 1056.	12.8	153
2	Antenna-coupled photon emission from hexagonal boron nitride tunnel junctions. Nature Nanotechnology, 2015, 10, 1058-1063.	31.5	141
3	A WSe2/MoSe2 heterostructure photovoltaic device. Applied Physics Letters, 2015, 107, .	3.3	137
4	Minimizing residues and strain in 2D materials transferred from PDMS. Nanotechnology, 2018, 29, 265203.	2.6	108
5	One-Dimensional Edge Contacts to a Monolayer Semiconductor. Nano Letters, 2019, 19, 6914-6923.	9.1	61
6	Transition Metal Dichalcogenide Resonators for Second Harmonic Signal Enhancement. ACS Photonics, 2020, 7, 2482-2488.	6.6	48
7	Electron Transport through Metal/MoS₂ Interfaces: Edge- or Area-Dependent Process?. Nano Letters, 2019, 19, 3641-3647.	9.1	42
8	Coupling Interlayer Excitons to Whispering Gallery Modes in van der Waals Heterostructures. Nano Letters, 2020, 20, 6155-6161.	9.1	25
9	First-principles simulations of 2-D semiconductor devices: Mobility, I-V characteristics, and contact resistance. , 2016, , .		20
10	Resonant Light Emission from Graphene/Hexagonal Boron Nitride/Graphene Tunnel Junctions. Nano Letters, 2021, 21, 8332-8339.	9.1	20
11	Hybrid High-Temperature-Superconductorâ€“Semiconductor Tunnel Diode. Physical Review X, 2012, 2, .	8.9	10
12	Evidence for a new excitation at the interface between a high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:ma and a topological insulator. Physical Review B, 2014, 90, .	3.2	9
13	Modeling tunneling for the unconventional superconducting proximity effect. Superconductor Science and Technology, 2016, 29, 125006.	3.5	6
14	Ion Migration in Monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Mo</mml:mi><mml:mi mathvariant="normal">S</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math> Memristors. Physical Review Applied, 2022, 18, .	3.8	3
15	Antenna-Coupled Optoelectronics With Two-Dimensional Materials. , 2016, , .		1
16	Antenna-coupled light emission from two-dimensional materials. Proceedings of SPIE, 2017, , .	0.8	0