

Suresh Vishwanath

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Layered two-dimensional selenides and tellurides grown by molecular beam epitaxy. , 2020, , 235-269.		1
2	Band Structure Engineering of Layered WSe ₂ <i>via</i> One-Step Chemical Functionalization. ACS Nano, 2019, 13, 7545-7555.	7.3	21
3	Electronic structure of SnSe ₂ films grown by molecular beam epitaxy. Applied Physics Letters, 2019, 114, 091602.	1.5	12
4	GaN/NbN epitaxial semiconductor/superconductor heterostructures. Nature, 2018, 555, 183-189.	13.7	116
5	Band offset and electron affinity of MBE-grown SnSe ₂ . Applied Physics Letters, 2018, 112, .	1.5	13
6	MBE growth of few-layer 2H-MoTe ₂ on 3D substrates. Journal of Crystal Growth, 2018, 482, 61-69.	0.7	43
7	Enhanced P-Type Behavior in 2D WSe ₂ via Chemical Defect Engineering. , 2018, , .		0
8	Challenges and Opportunities in Molecular Beam Epitaxy Growth of 2D Crystals. , 2018, , 443-485.		5
9	Electronic Structure of the Metastable Epitaxial Rock-Salt SnSe $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \text{stretchy="false"} \rangle \{ \langle \text{mml:mo} \langle \text{mml:mn} \rangle 111 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Topological Crystalline Insulator. Physical Review X, 2017, 7, .	2.8	17
10	Selective Chemical Response of Transition Metal Dichalcogenides and Metal Dichalcogenides in Ambient Conditions. ACS Applied Materials & Interfaces, 2017, 9, 29255-29264.	4.0	24
11	Atomic Layer Deposition of Al ₂ O ₃ on WSe ₂ Functionalized by Titanyl Phthalocyanine. ACS Nano, 2016, 10, 6888-6896.	7.3	69
12	Room temperature weak ferromagnetism in Sn ¹⁺ MnxSe ₂ 2D films grown by molecular beam epitaxy. APL Materials, 2016, 4, .	2.2	28
13	Covalent bonding modulated graphene-metal interfacial thermal transport. Nanoscale, 2016, 8, 10993-11001.	2.8	35
14	Controllable growth of layered selenide and telluride heterostructures and superlattices using molecular beam epitaxy. Journal of Materials Research, 2016, 31, 900-910.	1.2	85
15	Layered transition metal dichalcogenides: promising near-lattice-matched substrates for GaN growth. Scientific Reports, 2016, 6, 23708.	1.6	76
16	Scanning Tunneling Microscopy and Spectroscopy of Air Exposure Effects on Molecular Beam Epitaxy Grown WSe ₂ Monolayers and Bilayers. ACS Nano, 2016, 10, 4258-4267.	7.3	72
17	Comprehensive structural and optical characterization of MBE grown MoSe ₂ on graphite, CaF ₂ and graphene. 2D Materials, 2015, 2, 024007.	2.0	120
18	Exfoliated multilayer MoTe ₂ field-effect transistors. Applied Physics Letters, 2014, 105, .	1.5	168

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19	Atomic Structure of Thin MoSe ₂ Films Grown by Molecular Beam Epitaxy. Microscopy and Microanalysis, 2014, 20, 164-165.	0.2	19