

Suresh Vishwanath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3252609/publications.pdf>

Version: 2024-02-01

19
papers

924
citations

623734

14
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

2235
citing authors

#	ARTICLE	IF	CITATIONS
1	Exfoliated multilayer MoTe ₂ field-effect transistors. Applied Physics Letters, 2014, 105, .	3.3	168
2	Comprehensive structural and optical characterization of MBE grown MoSe ₂ on graphite, CaF ₂ and graphene. 2D Materials, 2015, 2, 024007.	4.4	120
3	GaN/NbN epitaxial semiconductor/superconductor heterostructures. Nature, 2018, 555, 183-189.	27.8	116
4	Controllable growth of layered selenide and telluride heterostructures and superlattices using molecular beam epitaxy. Journal of Materials Research, 2016, 31, 900-910.	2.6	85
5	Layered transition metal dichalcogenides: promising near-lattice-matched substrates for GaN growth. Scientific Reports, 2016, 6, 23708.	3.3	76
6	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.	14.6	72
7	Atomic Layer Deposition of Al ₂ O ₃ on WSe ₂ Functionalized by Titanyl Phthalocyanine. ACS Nano, 2016, 10, 6888-6896.	14.6	69
8	MBE growth of few-layer 2H-MoTe ₂ on 3D substrates. Journal of Crystal Growth, 2018, 482, 61-69.	1.5	43
9	Covalent bonding modulated graphene-metal interfacial thermal transport. Nanoscale, 2016, 8, 10993-11001.	5.6	35
10	Room temperature weak ferromagnetism in Sn _{1-x} MnxSe ₂ 2D films grown by molecular beam epitaxy. APL Materials, 2016, 4, .	5.1	28
11	Selective Chemical Response of Transition Metal Dichalcogenides and Metal Dichalcogenides in Ambient Conditions. ACS Applied Materials & Interfaces, 2017, 9, 29255-29264.	8.0	24
12	Band Structure Engineering of Layered WSe ₂ <i>via</i> One-Step Chemical Functionalization. ACS Nano, 2019, 13, 7545-7555.	14.6	21
13	Atomic Structure of Thin MoSe ₂ Films Grown by Molecular Beam Epitaxy. Microscopy and Microanalysis, 2014, 20, 164-165.	0.4	19
14	Electronic Structure of the Metastable Epitaxial Rock-Salt SnSe $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \langle \text{mml:mo stretchy="false"} \rangle \{ \langle \text{mml:mo} \langle \text{mml:mn} \rangle 111 \langle \text{mml:mn} \rangle \langle \text{mml:mo stretchy="false"} \rangle \} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Topological Crystalline Insulator. Physical Review X, 2017, 7, .	8.9	17
15	Band offset and electron affinity of MBE-grown SnSe ₂ . Applied Physics Letters, 2018, 112, .	3.3	13
16	Electronic structure of SnSe ₂ films grown by molecular beam epitaxy. Applied Physics Letters, 2019, 114, 091602.	3.3	12
17	Challenges and Opportunities in Molecular Beam Epitaxy Growth of 2D Crystals. , 2018, , 443-485.		5
18	Layered two-dimensional selenides and tellurides grown by molecular beam epitaxy. , 2020, , 235-269.		1

#	ARTICLE	IF	CITATIONS
19	Enhanced P-Type Behavior in 2D WSe ₂ via Chemical Defect Engineering. , 2018, , .		0