

Timotheus A Verhagen

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

424
citations

759233

12
h-index

752698

20
g-index

31
all docs

31
docs citations

31
times ranked

812
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-induced strain and doping in monolayer and bilayer isotopically labeled graphene. <i>Physical Review B</i> , 2015, 92, .	3.2	52
2	Towards the evaluation of defects in MoS ₂ using cryogenic photoluminescence spectroscopy. <i>Nanoscale</i> , 2020, 12, 3019-3028.	5.6	37
3	Graphene wrinkling induced by monodisperse nanoparticles: facile control and quantification. <i>Scientific Reports</i> , 2015, 5, 15061.	3.3	35
4	Evanescence states and nonequilibrium in driven superconducting nanowires. <i>Physical Review B</i> , 2012, 85, .	3.2	33
5	Mastering the Wrinkling of Self-supported Graphene. <i>Scientific Reports</i> , 2017, 7, 10003.	3.3	33
6	Evidence for spin mixing in holmium thin film and crystal samples. <i>Physical Review B</i> , 2011, 83, .	3.2	26
7	Giant Magnetic Susceptibility of Gold Nanorods Detected by Magnetic Alignment. <i>Physical Review Letters</i> , 2013, 111, 127202.	7.8	22
8	Temperature dependence of spin pumping and Gilbert damping in thin Co/Pt bilayers. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 056004.	1.8	21
9	Superlattice in collapsed graphene wrinkles. <i>Scientific Reports</i> , 2019, 9, 9972.	3.3	15
10	Spatially Resolved Covalent Functionalization Patterns on Graphene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1324-1328.	13.8	14
11	Anomalous Freezing of Low-Dimensional Water Confined in Graphene Nanowrinkles. <i>ACS Nano</i> , 2020, 14, 15587-15594.	14.6	14
12	Temperature-induced strain release via rugae on the nanometer and micrometer scale in graphene monolayer. <i>Carbon</i> , 2017, 119, 483-491.	10.3	13
13	Surface-enhanced Raman spectra on graphene. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 168-173.	2.5	13
14	Imaging Nanoscale Inhomogeneities and Edge Delamination in As-Grown MoS ₂ Using Tip-Enhanced Photoluminescence. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900381.	2.4	12
15	Superradiant Emission from Coherent Excitons in van Der Waals Heterostructures. <i>Advanced Functional Materials</i> , 2021, 31, 2102196.	14.9	12
16	Evolution of temperature-induced strain and doping of double-layer graphene: An <i>in situ</i> Raman spectral mapping study. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2401-2406.	1.5	10
17	Chemical Vapor Deposition of MoS ₂ for Energy Harvesting: Evolution of the Interfacial Oxide Layer. <i>ACS Applied Nano Materials</i> , 2020, 3, 6563-6573.	5.0	10
18	New directions in point-contact spectroscopy based on scanning tunneling microscopy techniques (Review Article). <i>Low Temperature Physics</i> , 2013, 39, 189-198.	0.6	9

#	ARTICLE	IF	CITATIONS
19	Detecting Rashba fields at the interface between Co and Si oxide by ferromagnetic resonance. Physical Review B, 2015, 91, .	3.2	7
20	Addressing asymmetry of the charge and strain in a two-dimensional fullerene peapod. Nanoscale, 2016, 8, 735-740.	5.6	6
21	Selective self-assembly and light emission tuning of layered hybrid perovskites on patterned graphene. Nanoscale, 2018, 10, 3198-3211.	5.6	6
22	Spatially Resolved Covalent Functionalization Patterns on Graphene. Angewandte Chemie, 2019, 131, 1338-1342.	2.0	6
23	Temperature-induced evolution of strain and doping in an isotopically labeled two-dimensional graphene - C70 fullerene peapod. Diamond and Related Materials, 2017, 75, 140-145.	3.9	4
24	Reversibility of Graphene-Enhanced Raman Scattering with Fluorinated Graphene. Physica Status Solidi (B): Basic Research, 2017, 254, 1700177.	1.5	4
25	Introducing Well-Defined Nanowrinkles in CVD Grown Graphene. Nanomaterials, 2019, 9, 353.	4.1	3
26	Magnetic properties of Sm-Co thin films grown on MgO(100) deposited from a single alloy target. Journal of Applied Physics, 2014, 116, 053903.	2.5	2
27	Raman spectroscopy and AFM study of ¹² C graphene/fullerenes C ₇₀ / ¹³ C graphene heterostructure. Physica Status Solidi (B): Basic Research, 2015, 252, 2418-2422.	1.5	2
28	Tuning the Interlayer Interaction of a Twisted Multilayer Wrinkle With Temperature. Physica Status Solidi (B): Basic Research, 2017, 254, 1700237.	1.5	2
29	Electronic and mechanical response of graphene on BaTiO ₃ at martensitic phase transitions. Journal of Physics Condensed Matter, 2018, 30, 085001.	1.8	1
30	Temperature dependence of the 2D mode of an isotopically labelled graphene double layer. Physica Status Solidi (B): Basic Research, 2016, 253, 2342-2346.	1.5	0