

Johannes Binder

List of Publications by Year in descending order

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28
papers

438
citations

933447

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h-index

713466

21
g-index

28
all docs

28
docs citations

28
times ranked

1058
citing authors

#	ARTICLE	IF	CITATIONS
1	The optical response of monolayer, few-layer and bulk tungsten disulfide. <i>Nanoscale</i> , 2017, 9, 13128-13141.	5.6	97
2	Upconverted electroluminescence via Auger scattering of interlayer excitons in van der Waals heterostructures. <i>Nature Communications</i> , 2019, 10, 2335.	12.8	51
3	Optical Properties of Molybdenum Disulfide (MoS ₂). <i>Acta Physica Polonica A</i> , 2013, 124, 849-851.	0.5	42
4	Sub-bandgap Voltage Electroluminescence and Magneto-oscillations in a WSe ₂ Light-Emitting van der Waals Heterostructure. <i>Nano Letters</i> , 2017, 17, 1425-1430.	9.1	41
5	Electronic structure of commensurate, nearly commensurate, and incommensurate phases of S_2 by angle-resolved photoelectron spectroscopy, scanning tunneling spectroscopy, and density functional theory. <i>Physical Review B</i> , 2018, 98, .	3.2	29
6	Nitrogen doping of chemical vapor deposition grown graphene on 4H-SiC (0001). <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	27
7	The disorder-induced Raman scattering in Au/MoS ₂ heterostructures. <i>AIP Advances</i> , 2015, 5, .	1.3	27
8	Two stage epitaxial growth of wafer-size multilayer h-BN by metal-organic vapor phase epitaxy – a homoepitaxial approach. <i>2D Materials</i> , 2021, 8, 015017.	4.4	20
9	Dynamics of thermalization in GaInN/GaN quantum wells grown on ammonothermal GaN. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	14
10	Heteroepitaxial Growth of High Optical Quality, Wafer-Scale van der Waals Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47904-47911.	8.0	14
11	Raman Optical Activity of 1T-TaS ₂ . <i>Nano Letters</i> , 2022, 22, 2835-2842.	9.1	10
12	In situ Raman spectroscopy of the graphene/water interface of a solution-gated field-effect transistor: electron-phonon coupling and spectroelectrochemistry. <i>Nanotechnology</i> , 2016, 27, 045704.	2.6	9
13	Impeded phase transition in 1T-TaS ₂ : Thermoelectric fingerprint of long-lived mixed states. <i>Solid State Communications</i> , 2020, 305, 113749.	1.9	9
14	Multiple magneto-phonon resonances in graphene. <i>2D Materials</i> , 2016, 3, 015004.	4.4	8
15	Modification of Emission Properties of ZnO Layers due to Plasmonic Near-Field Coupling to Ag Nanoislands. <i>Plasmonics</i> , 2013, 8, 913-919.	3.4	7
16	Photoluminescence Dynamics of GaN/Si Nanowires. <i>Acta Physica Polonica A</i> , 2012, 122, 1001-1003.	0.5	7
17	A micro-magneto-Raman scattering study of graphene on a bulk graphite substrate. <i>Europhysics Letters</i> , 2014, 108, 27011.	2.0	6
18	Towards practical applications of quantum emitters in boron nitride. <i>Scientific Reports</i> , 2021, 11, 15506.	3.3	6

#	ARTICLE	IF	CITATIONS
19	Delamination of Large Area Layers of Hexagonal Boron Nitride Grown by MOVPE. Acta Physica Polonica A, 2021, 139, 457-461.	0.5	4
20	Suspended graphene on germanium: selective local etching via laser-induced photocorrosion of germanium. 2D Materials, 2021, 8, 035043.	4.4	3
21	Highly effective gating of graphene on GaN. Applied Surface Science, 2021, 560, 149939.	6.1	3
22	Graphene Based Flow Sensors. Acta Physica Polonica A, 2014, 126, 1209-1212.	0.5	1
23	Absorption and Emission Properties of Light Emitting Diode Structures Containing GaInN/GaN QWs. Acta Physica Polonica A, 2011, 120, 918-920.	0.5	1
24	In Situ Raman Spectroscopy of Solution-Gated Graphene on Copper. Acta Physica Polonica A, 2017, 132, 360-363.	0.5	1
25	Strain control in graphene on GaN nanowires: Towards pseudomagnetic field engineering. Carbon, 2022, 186, 128-140.	10.3	1
26	Charge Transfer in 1T-TaS ₂ /Graphene Hybrid Structures Studied by Spatially Resolved Raman Spectroscopy. Acta Physica Polonica A, 2021, 139, 311-313.	0.5	0
27	An Influence of X-Ray Irradiation on Mid-Bandgap Luminescence of Boron Nitride Epitaxial Layers. Acta Physica Polonica A, 2019, 136, 620-623.	0.5	0
28	Spatially resolved thermoelectric response of mixed states. , 2020, , .		0