

Jan N Kirchhof

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

243
citations

1163117

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1199594

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14
all docs

14
docs citations

14
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics and efficient conversion of excitons to trions in non-uniformly strained monolayer WS ₂ . Nature Photonics, 2020, 14, 324-329.	31.4	96
2	Detecting Ultrasound Vibrations with Graphene Resonators. Nano Letters, 2018, 18, 5132-5137.	9.1	36
3	Tunable Graphene Phononic Crystal. Nano Letters, 2021, 21, 2174-2182.	9.1	24
4	Microstructure and Elastic Constants of Transition Metal Dichalcogenide Monolayers from Friction and Shear Force Microscopy. Advanced Materials, 2018, 30, e1803748.	21.0	16
5	Selective Functionalization of Graphene at Defect-Activated Sites by Arylazocarboxylic <i>tert</i> -Butyl Esters. Angewandte Chemie - International Edition, 2019, 58, 3599-3603.	13.8	13
6	The patterning toolbox FIB-o-mat: Exploiting the full potential of focused helium ions for nanofabrication. Beilstein Journal of Nanotechnology, 2021, 12, 304-318.	2.8	13
7	Influence of SiO ₂ or h-BN substrate on the room-temperature electronic transport in chemically derived single layer graphene. RSC Advances, 2019, 9, 38011-38016.	3.6	12
8	Neutral and charged excitons interplay in non-uniformly strain-engineered WS ₂ . 2D Materials, 2020, 7, 035024.	4.4	9
9	Impact of gigahertz and terahertz transport regimes on spin propagation and conversion in the antiferromagnet IrMn. Applied Physics Letters, 2022, 120, .	3.3	8
10	Non-Uniform Strain Engineering of 2D Materials. Israel Journal of Chemistry, 2022, 62, .	2.3	6
11	Controlled assembly of artificial 2D materials based on the transfer of oxo-functionalized graphene. Nanoscale Advances, 2020, 2, 176-181.	4.6	5
12	In situ functionalization of graphene. 2D Materials, 2021, 8, 015022.	4.4	5