

Andrey Krayev

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

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1163117

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608
citing authors

#	ARTICLE	IF	CITATIONS
1	Metallic <i>vs.</i> semiconducting properties of quasi-one-dimensional tantalum selenide van der Waals nanoribbons. <i>Nanoscale</i> , 2022, 14, 6133-6143.	5.6	10
2	Importance of Multiple Excitation Wavelengths for TERS Characterization of TMDCs and Their Vertical Heterostructures. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5218-5223.	3.1	4
3	Tip-Enhanced Raman Scattering Imaging of Single- to Few-Layer $\text{Ti}_3\text{C}_2\text{T}_x$ MXene. <i>ACS Nano</i> , 2022, 16, 6858-6865.	14.6	26
4	Nano-optical Visualization of Interlayer Interactions in WSe_2/WS_2 Heterostructures. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5854-5859.	4.6	5
5	Two dynamic modes to streamline challenging atomic force microscopy measurements. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 1226-1236.	2.8	2
6	Imaging strain-localized excitons in nanoscale bubbles of monolayer WSe_2 at room temperature. <i>Nature Nanotechnology</i> , 2020, 15, 854-860.	31.5	134
7	Facile and quantitative estimation of strain in nanobubbles with arbitrary symmetry in 2D semiconductors verified using hyperspectral nano-optical imaging. <i>Journal of Chemical Physics</i> , 2020, 153, 024702.	3.0	27
8	Comparable Enhancement of TERS Signals from WSe_2 on Chromium and Gold. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8971-8977.	3.1	5
9	Dry Transfer of van der Waals Crystals to Noble Metal Surfaces To Enable Characterization of Buried Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38218-38225.	8.0	20
10	Nanoscale doping heterogeneity in few-layer WSe_2 exfoliated onto noble metals revealed by correlated SPM and TERS imaging. <i>2D Materials</i> , 2018, 5, 035003.	4.4	22
11	Tip-Enhanced Raman Scattering from Nanopatterned Graphene and Graphene Oxide. <i>Nano Letters</i> , 2018, 18, 4029-4033.	9.1	32
12	The important role of water in growth of monolayer transition metal dichalcogenides. <i>2D Materials</i> , 2017, 4, 021024.	4.4	43