Andrey Krayev

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1240086/publications.pdf

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12	330	1163117 8	1199594 12
papers	citations	h-index	g-index

12	12	12	608
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Imaging strain-localized excitons in nanoscale bubbles of monolayer WSe2 at room temperature. Nature Nanotechnology, 2020, 15, 854-860.	31.5	134
2	The important role of water in growth of monolayer transition metal dichalcogenides. 2D Materials, 2017, 4, 021024.	4.4	43
3	Tip-Enhanced Raman Scattering from Nanopatterned Graphene and Graphene Oxide. Nano Letters, 2018, 18, 4029-4033.	9.1	32
4	Facile and quantitative estimation of strain in nanobubbles with arbitrary symmetry in 2D semiconductors verified using hyperspectral nano-optical imaging. Journal of Chemical Physics, 2020, 153, 024702.	3.0	27
5	Tip-Enhanced Raman Scattering Imaging of Single- to Few-Layer Ti₃C₂T_x MXene. ACS Nano, 2022, 16, 6858-6865.	14.6	26
6	Nanoscale doping heterogeneity in few-layer WSe ₂ exfoliated onto noble metals revealed by correlated SPM and TERS imaging. 2D Materials, 2018, 5, 035003.	4.4	22
7	Dry Transfer of van der Waals Crystals to Noble Metal Surfaces To Enable Characterization of Buried Interfaces. ACS Applied Materials & Interfaces, 2019, 11, 38218-38225.	8.0	20
8	Metallic vs. semiconducting properties of quasi-one-dimensional tantalum selenide van der Waals nanoribbons. Nanoscale, 2022, 14, 6133-6143.	5.6	10
9	Comparable Enhancement of TERS Signals from WSe2 on Chromium and Gold. Journal of Physical Chemistry C, 2020, 124, 8971-8977.	3.1	5
10	Nano-optical Visualization of Interlayer Interactions in WSe₂/WS₂ Heterostructures. Journal of Physical Chemistry Letters, 2022, 13, 5854-5859.	4.6	5
11	Importance of Multiple Excitation Wavelengths for TERS Characterization of TMDCs and Their Vertical Heterostructures. Journal of Physical Chemistry C, 2022, 126, 5218-5223.	3.1	4
12	Two dynamic modes to streamline challenging atomic force microscopy measurements. Beilstein Journal of Nanotechnology, 2021, 12, 1226-1236.	2.8	2