Amjad Al Taleb

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3049903/publications.pdf

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28	431	687363 13	752698 20
papers	citations	h-index	g-index

28	28	28	451
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phonon dynamics of graphene on metals. Journal of Physics Condensed Matter, 2016, 28, 103005.	1.8	56
2	Helium diffraction and acoustic phonons of graphene grown on copper foil. Carbon, 2015, 95, 731-737.	10.3	42
3	Low-energy excitations of graphene on Ru(0 0 0 1). Carbon, 2015, 93, 1-10.	10.3	30
4	Electronâ€“phonon coupling in superconducting 1T-PdTe2. Npj 2D Materials and Applications, 2021, 5, .	7.9	28
5	Acoustic surface phonons of graphene on Ni(111). Carbon, 2016, 99, 416-422.	10.3	27
6	Observation of Localized Vibrational Modes of Graphene Nanodomes by Inelastic Atom Scattering. Nano Letters, 2016, 16, 2-7.	9.1	26
7	Experimental determination of surface thermal expansion and electronâ€“phonon coupling constant of 1T-PtTe₂. 2D Materials, 2020, 7, 025007.	4.4	25
8	Quality of graphene on sapphire: long-range order from helium diffraction versus lattice defects from Raman spectroscopy. RSC Advances, 2016, 6, 21235-21245.	3.6	24
9	Charge Redistribution Mechanisms in SnSe₂ Surfaces Exposed to Oxidative and Humid Environments and Their Related Influence on Chemical Sensing. Journal of Physical Chemistry Letters, 2020, 11, 9003-9011.	4.6	23
10	Electronâ€“Phonon Coupling Constant of 2H-MoS₂(0001) from Helium-Atom Scattering. Journal of Physical Chemistry C, 2019, 123, 3682-3686.	3.1	21
11	Multiphonon excitation and quantum decoherence in neon scattering from solid surfaces. Physical Review B, 2017, 95, .	3.2	16
12	Experimental determination of thermal expansion of natural MoS ₂. 2D Materials, 2018, 5, 035015.	4.4	16
13	Characterization of interlayer forces in 2D heterostructures using neutral atom scattering. 2D Materials, 2018, 5, 045002.	4.4	13
14	Flexible thin metal crystals as focusing mirrors for neutral atomic beams. Physical Review B, 2017, 95, .	3.2	12
15	Diffraction of CH₄ from a Metal Surface. Journal of Physical Chemistry Letters, 2019, 10, 1574-1580.	4.6	12
16	Quantum Decoherence Behavior in Neon Scattering from Ru(0001) and Graphene/Ru(0001) Surfaces: Experiment and Comparison with Calculations. Journal of Physical Chemistry C, 2017, 121, 22815-22825.	3.1	10
17	Coherent quantum scattering of CH₄ from Ni(111). Physical Chemistry Chemical Physics, 2017, 19, 21267-21271.	2.8	10
18	Ultrasmooth metal thin films on curved fused silica by laser polishing. Applied Physics Letters, 2017, 111, .	3.3	7

#	Article	IF	Citations
19	Initial Sticking Coefficient of H2 on the Pdâ€“Cu(111) Surface Alloy at very Low Coverages. Zeitschrift Fur Physikalische Chemie, 2013, 227, .	2.8	6
20	Ne atom scattering from Ir(111) under nearly classical conditions. Surface Science, 2018, 678, 20-24.	1.9	6
21	Resolving localized phonon modes on graphene/Ir(111) by inelastic atom scattering. Carbon, 2018, 133, 31-38.	10.3	4
22	Performance of van der Waals DFT approaches for helium diffraction on metal surfaces. Journal of Physics Condensed Matter, 2019, 31, 135901.	1.8	4
23	Low-energy methane scattering from Pt(111). Journal of Chemical Physics, 2018, 149, 084703.	3.0	3
24	Setting the limit for the lateral thermal expansion of layered crystals via helium atom scattering. Physical Chemistry Chemical Physics, 2022, 24, 13229-13233.	2.8	3
25	Measurement of 60Co high gamma dose using gamma activation of 115In and 111Cd foils. Applied Radiation and Isotopes, 2011, 69, 180-183.	1.5	2
26	Neon diffraction from graphene on Ru(0001). Surface Science, 2018, 678, 52-56.	1.9	2
27	A simple means of producing highly transparent graphene on sapphire using chemical vapor deposition on a copper catalyst. Carbon, 2018, 139, 593-598.	10.3	2
28	Time-of-flight measurements of the low-energy scattering of CH4 from Ir(111). Physical Chemistry Chemical Physics, 2021, 23, 7830-7836.	2.8	1