

Amjad Al Taleb

List of Publications by Year in descending order

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papers

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citations

687363

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all docs

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docs citations

28
times ranked

451
citing authors

#	ARTICLE	IF	CITATIONS
1	Setting the limit for the lateral thermal expansion of layered crystals via helium atom scattering. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 13229-13233.	2.8	3
2	Time-of-flight measurements of the low-energy scattering of CH ₄ from Ir(111). <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 7830-7836.	2.8	1
3	Electron-phonon coupling in superconducting 1T-PdTe ₂ . <i>Npj 2D Materials and Applications</i> , 2021, 5, .	7.9	28
4	Experimental determination of surface thermal expansion and electron-phonon coupling constant of 1T-PtTe ₂ . <i>2D Materials</i> , 2020, 7, 025007.	4.4	25
5	Charge Redistribution Mechanisms in SnSe ₂ Surfaces Exposed to Oxidative and Humid Environments and Their Related Influence on Chemical Sensing. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9003-9011.	4.6	23
6	Electron-Phonon Coupling Constant of 2H-MoS ₂ (0001) from Helium-Atom Scattering. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3682-3686.	3.1	21
7	Diffraction of CH ₄ from a Metal Surface. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1574-1580.	4.6	12
8	Performance of van der Waals DFT approaches for helium diffraction on metal surfaces. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 135901.	1.8	4
9	Ne atom scattering from Ir(111) under nearly classical conditions. <i>Surface Science</i> , 2018, 678, 20-24.	1.9	6
10	Experimental determination of thermal expansion of natural MoS ₂ . <i>2D Materials</i> , 2018, 5, 035015.	4.4	16
11	Neon diffraction from graphene on Ru(0001). <i>Surface Science</i> , 2018, 678, 52-56.	1.9	2
12	Resolving localized phonon modes on graphene/Ir(111) by inelastic atom scattering. <i>Carbon</i> , 2018, 133, 31-38.	10.3	4
13	Low-energy methane scattering from Pt(111). <i>Journal of Chemical Physics</i> , 2018, 149, 084703.	3.0	3
14	Characterization of interlayer forces in 2D heterostructures using neutral atom scattering. <i>2D Materials</i> , 2018, 5, 045002.	4.4	13
15	A simple means of producing highly transparent graphene on sapphire using chemical vapor deposition on a copper catalyst. <i>Carbon</i> , 2018, 139, 593-598.	10.3	2
16	Ultrasoother metal thin films on curved fused silica by laser polishing. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	7
17	Quantum Decoherence Behavior in Neon Scattering from Ru(0001) and Graphene/Ru(0001) Surfaces: Experiment and Comparison with Calculations. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22815-22825.	3.1	10
18	Multiphonon excitation and quantum decoherence in neon scattering from solid surfaces. <i>Physical Review B</i> , 2017, 95, .	3.2	16

#	ARTICLE	IF	CITATIONS
19	Coherent quantum scattering of CH ₄ from Ni(111). Physical Chemistry Chemical Physics, 2017, 19, 21267-21271.	2.8	10
20	Flexible thin metal crystals as focusing mirrors for neutral atomic beams. Physical Review B, 2017, 95, .	3.2	12
21	Phonon dynamics of graphene on metals. Journal of Physics Condensed Matter, 2016, 28, 103005.	1.8	56
22	Acoustic surface phonons of graphene on Ni(111). Carbon, 2016, 99, 416-422.	10.3	27
23	Observation of Localized Vibrational Modes of Graphene Nanodomes by Inelastic Atom Scattering. Nano Letters, 2016, 16, 2-7.	9.1	26
24	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
25	Low-energy excitations of graphene on Ru(0 0 0 1). Carbon, 2015, 93, 1-10.	10.3	30
26	Helium diffraction and acoustic phonons of graphene grown on copper foil. Carbon, 2015, 95, 731-737.	10.3	42
27	Initial Sticking Coefficient of H ₂ on the Pd-Cu(111) Surface Alloy at very Low Coverages. Zeitschrift Fur Physikalische Chemie, 2013, 227, .	2.8	6
28	Measurement of ⁶⁰ Co high gamma dose using gamma activation of ¹¹⁵ In and ¹¹¹ Cd foils. Applied Radiation and Isotopes, 2011, 69, 180-183.	1.5	2