

Takashi Aizawa

List of Publications by Year in descending order

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34
times ranked

674
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicene on Zirconium Carbide (111). Journal of Physical Chemistry C, 2014, 118, 23049-23057.	3.1	129
2	Surface phonon dispersion of ZrB ₂ (0001) and NbB ₂ (0001). Physical Review B, 2001, 65, .	3.2	56
3	Surface core-level shift and electronic structure on transition-metal diboride (0001) surfaces. Physical Review B, 2005, 71, .	3.2	56
4	Structural analysis of the HfB ₂ (0001) surface by impact-collision ion scattering spectroscopy. Surface Science, 1998, 415, 433-437.	1.9	41
5	Analysis of the NbC(111)-(√3 × √3)R30°-Al surface structure by impact-collision ion-scattering spectroscopy. Physical Review B, 1993, 47, 13752-13758.	3.2	35
6	Graphenelike surface boron layer: Structural phases on transition-metal diborides (0001). Physical Review B, 2010, 81, .	3.2	31
7	Direct Growth of Germanene at Interfaces between Van der Waals Materials and Ag(111). Advanced Functional Materials, 2021, 31, 2007038.	14.9	27
8	Structural analysis of NbC(111)-O and NbC(111)-D surfaces. Surface Science, 1996, 346, 158-164.	1.9	20
9	Crystallization kinetics of water on graphite. Physical Chemistry Chemical Physics, 2018, 20, 21856-21863.	2.8	20
10	Adsorption of H ₂ , 2H ₂ , O ₂ , and CO on ZrB ₂ (0001). Journal of Chemical Physics, 2002, 117, 11310-11314.	3.0	17
11	Crystallization kinetics of thin water films on Pt(111): effects of oxygen and carbon-monoxide adspecies. Physical Chemistry Chemical Physics, 2019, 21, 1123-1130.	2.8	15
12	Molecular adsorption of oxygen on transition-metal carbide. Surface Science, 1996, 357-358, 645-650.	1.9	13
13	Miniaturized in-plane n-type thermoelectric device composed of a II-VI semiconductor thin film prepared by microfabrication. Materials Today Energy, 2022, 28, 101075.	4.7	13
14	Wettability of Bare and Graphene-Adsorbed Pt(111) during Glass-Liquid Transition, Crystallization, and Premelting of Water. Journal of Physical Chemistry C, 2018, 122, 28094-28104.	3.1	12
15	Nucleation and growth of water ice on Ru(0001): Influences of oxygen and carbon-monoxide adspecies. Chemical Physics Letters, 2019, 722, 132-139.	2.6	10
16	Surface reconstruction of W ₂ C(0001). Journal of Physics Condensed Matter, 2011, 23, 305007.	1.8	9
17	The oxidized layer on ZrB ₂ (0001). Applied Surface Science, 2009, 256, 1120-1123.	6.1	8
18	Fabrication of Mg ₂ Sn(111) film by molecular beam epitaxy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	8

#	ARTICLE	IF	CITATIONS
19	High power factor in epitaxial Mg ₂ Sn thin films via Ga doping. Applied Physics Letters, 2021, 119, .	3.3	8
20	Crystallization Kinetics of Water on Bare, Hydrogenated, and Hydroxylated Si(100) and Si(111) Surfaces Studied by RHEED, TOF-SIMS, and TPD. Journal of Physical Chemistry C, 2019, 123, 20373-20383.	3.1	7
21	Improvement of power factor in the room temperature range of Mg ₂ Sn ^{1-x} Ge _x . Japanese Journal of Applied Physics, 2021, 60, SBBF06.	1.5	6
22	Reflection high energy electron diffraction (RHEED) study of ice nucleation and growth on Ni(111): influences of adspecies and electron irradiation. Physical Chemistry Chemical Physics, 2019, 21, 19585-19593.	2.8	5
23	Phonon dispersion of a two-dimensional boron sheet on Ag(111). Physical Review Materials, 2021, 5, .	2.4	5
24	Interface stabilization by Al in GaN and AlN epitaxies on NbB ₂ (0001). Applied Physics Letters, 2006, 89, 181913.	3.3	4
25	Plasma-assisted molecular-beam epitaxy of GaN on transition-metal carbide (111) surfaces. Journal of Crystal Growth, 2008, 310, 22-25.	1.5	4
26	Adsorption of CO and O ₂ on W ₂ C(0001). Journal of Chemical Physics, 2011, 135, 144704.	3.0	4
27	Nucleation and growth of water ice on oxide surfaces: the influence of a precursor to water dissociation. Physical Chemistry Chemical Physics, 2020, 22, 20515-20523.	2.8	4
28	Control of Competing Thermodynamics and Kinetics in Vapor Phase Thin-Film Growth of Nitrides and Borides. Frontiers in Chemistry, 2021, 9, 642388.	3.6	4
29	Two-dimensional silicon boride on ZrB_{24} . Physical Review Materials, 2019, 3, .	2.4	4
30	Hydrophobic Hydration of Xenon and Tetrahydrofuran in Amorphous Solid Water. Journal of Physical Chemistry C, 2019, 123, 27055-27063.	3.1	3
31	Structure Analysis of Water Ice Crystallites on NaCl(001), KCl(001), and CaF ₂ (111) by Reflection High-Energy Electron Diffraction. Journal of Physical Chemistry C, 2020, 124, 15180-15187.	3.1	2
32	Isotope Effects in Exchange, Desorption, and Decomposition of Water Molecules on Ru(0001) at Cryogenic Temperatures. Journal of Physical Chemistry C, 2020, 124, 28139-28144.	3.1	1
33	ZrC epitaxy on Si(111). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, 061512.	2.1	1