

Michael S Altman

List of Publications by Year in descending order

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33
papers

501
citations

687363

13
h-index

677142

22
g-index

33
all docs

33
docs citations

33
times ranked

670
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible motions and disordered structure of soft particles in amorphous solids. <i>Physical Review B</i> , 2022, 105, .	3.2	0
2	Single-crystal two-dimensional material epitaxy on tailored non-single-crystal substrates. <i>Nature Communications</i> , 2022, 13, 1773.	12.8	12
3	High-Quality Hexagonal Boron Nitride from 2D Distillation. <i>ACS Nano</i> , 2021, 15, 1351-1357.	14.6	7
4	Unveiling the medium-range order in glass models and its role in glass formation. <i>Physical Review B</i> , 2020, 101, .	3.2	5
5	Large Area Single Crystal Graphene Grown on a Cu(111) Foil. <i>Advanced Materials</i> , 2019, 31, e1903615.	21.0	89
6	Edge-Epitaxial Growth of Graphene on Cu with a Hydrogen-Free Approach. <i>Chemistry of Materials</i> , 2019, 31, 2555-2562.	6.7	19
7	High throughput scanning $\frac{1}{4}$ LEED imaging of surface structural heterogeneity: Defective graphene on Cu(111). <i>Ultramicroscopy</i> , 2019, 200, 67-72.	1.9	0
8	Fourier optics of image formation in aberration-corrected LEEM. <i>Ultramicroscopy</i> , 2019, 200, 160-168.	1.9	3
9	Fe on W(001) from continuous films to nanoparticles: Growth and magnetic domain structure. <i>Physical Review B</i> , 2017, 95, .	3.2	10
10	Defocus in cathode lens instruments. <i>Ultramicroscopy</i> , 2017, 183, 2-7.	1.9	9
11	Comparing Fourier optics and contrast transfer function modeling of image formation in low energy electron microscopy. <i>Ultramicroscopy</i> , 2017, 183, 109-116.	1.9	7
12	Controlling magnetic interfaces using ordered surface alloys. <i>Physical Review B</i> , 2016, 94, .	3.2	1
13	Probing buried magnetic interface structure with the quantum size effect in spin-dependent electron reflectivity. <i>Ultramicroscopy</i> , 2015, 159, 530-535.	1.9	6
14	Fe ₃ S ₄ (greigite) formation by vapor-solid reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1903-1913.	10.3	19
15	Growth, magnetism and ferromagnetic thickness gap in Fe films on the W(111) surface. <i>Physical Review B</i> , 2013, 87, .	3.2	9
16	C_{60} on the Pt(111) surface: Structural tuning of electronic properties. <i>Physical Review B</i> , 2011, 84, .	3.2	24
17	CO Prefers the Aisle Seat. <i>Science</i> , 2010, 327, 789-790.	12.6	13
18	Quantum size effect driven thermal decomposition of Ag films on Fe(100) in the presence of pinhole-growth morphological defects. <i>Physical Review B</i> , 2010, 81, .	3.2	10

#	ARTICLE	IF	CITATIONS
19	Trends in low energy electron microscopy. Journal of Physics Condensed Matter, 2010, 22, 084017.	1.8	69
20	Low-energy electron microscopy of CO/Pt(111) surface diffusion by nonequilibrium coverage profile evolution. Physical Review B, 2008, 78, .	3.2	27
21	Critical terrace width for step flow growth: Effect of attachment-detachment asymmetry and step permeability. Physical Review B, 2007, 75, .	3.2	23
22	Kinetic regime of step motion on the Si(111) (1 Å ⁻¹) surface. Surface and Interface Analysis, 2006, 38, 1632-1635.	1.8	5
23	Low-energy electron microscopy of layer spacings and quantum electronic structure of ultrathin films. Surface and Interface Analysis, 2005, 37, 235-238.	1.8	4
24	Spin-polarized vacuum tunneling in field emission from Co-coated W(111) tips. Journal of Applied Physics, 2003, 94, 4670-4675.	2.5	22
25	Growth morphology, structure, and magnetism of ultrathin Co films on W(111). Physical Review B, 2003, 67, .	3.2	23
26	Step effects on diffusion near a substrate reconstructive phase transition: α -Fe on W(100). Physical Review B, 2003, 68, .	3.2	4
27	THE TRANSITION TO STEP FLOW GROWTH ON THE CLEAN AND SURFACTANT COVERED Si(111) SURFACE STUDIED BY IN-SITU LEEM. International Journal of Modern Physics B, 2002, 16, 4353-4362.	2.0	14
28	Growth shapes of Ag crystallites on the Si(111) surface. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 2492.	1.6	22
29	Modification of initial growth and magnetism in Fe/Cu(100). Physical Review B, 2001, 65, .	3.2	21
30	The miniature cylindrical mirror analyzer: A new tool for surface analysis. Review of Scientific Instruments, 2001, 72, 3362-3365.	1.3	6
31	Ordered alloying of Pd with the Mo(100) Surface. Physical Review B, 2000, 62, 8366-8375.	3.2	16
32	Cu(111) Electron Band Structure and Channeling by VLEED. Physica Status Solidi A, 1997, 163, 455-464.	1.7	1
33	Role of Surface Steps in Thin Film Growth and Properties Studied by Leem. Materials Research Society Symposia Proceedings, 1994, 355, 235.	0.1	1