Michael S Altman

List of Publications by Year
in descending order

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	Adlayerâ€Free Largeâ€Area Single Crystal Graphene Grown on a Cu(111) Foil. Advanced Materials, 2019, 31, e1903615.	21.0	89
2	Trends in low energy electron microscopy. Journal of Physics Condensed Matter, 2010, 22, 084017.	1.8	69
3	Low-energy electron microscopy of CO/Pt(111) surface diffusion by nonequilibrium coverage profile evolution. Physical Review B, 2008, 78, .	3.2	27
4	C<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>60</mml:mn></mml:msub></mml:math>on the Pt(111) surface: Structural tuning of electronic properties. Physical Review B, 2011, 84, .	3.2	24
5	Growth morphology, structure, and magnetism of ultrathin Co films on W(111). Physical Review B, 2003, 67, .	3.2	23
6	Critical terrace width for step flow growth: Effect of attachment-detachment asymmetry and step permeability. Physical Review B, 2007, 75, .	3.2	23
7	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
8	Spin-polarized vacuum tunneling in field emission from Co-coated W(111) tips. Journal of Applied Physics, 2003, 94, 4670-4675.	2.5	22
9	Modification of initial growth and magnetism in Fe/Cu(100). Physical Review B, 2001, 65, .	3.2	21
10	Fe₃S₄(greigite) formation by vaporâ€“solid reaction. Journal of Materials Chemistry A, 2014, 2, 1903-1913.	10.3	19
11	Edge-Epitaxial Growth of Graphene on Cu with a Hydrogen-Free Approach. Chemistry of Materials, 2019, 31, 2555-2562.	6.7	19
12	Ordered alloying of Pd with the Mo(100) Surface. Physical Review B, 2000, 62, 8366-8375.	3.2	16
13	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
14	CO Prefers the Aisle Seat. Science, 2010, 327, 789-790.	12.6	13
15	Single-crystal two-dimensional material epitaxy on tailored non-single-crystal substrates. Nature Communications, 2022, 13, 1773.	12.8	12
16	Quantum size effect driven thermal decomposition of Ag films on Fe(100) in the presence of pinhole-growth morphological defects. Physical Review B, 2010, 81, .	3.2	10
17	Fe on W(001) from continuous films to nanoparticles: Growth and magnetic domain structure. Physical Review B, 2017, 95, .	3.2	10
18	Growth, magnetism and ferromagnetic thickness gap in Fe films on the W(111) surface. Physical Review B, 2013, 87, .	3.2	9

#	Article	IF	Citations
19	Defocus in cathode lens instruments. Ultramicroscopy, 2017, 183, 2-7.	1.9	9
20	Comparing Fourier optics and contrast transfer function modeling of image formation in low energy electron microscopy. Ultramicroscopy, 2017, 183, 109-116.	1.9	7
21	High-Quality Hexagonal Boron Nitride from 2D Distillation. ACS Nano, 2021, 15, 1351-1357.	14.6	7
22	The miniature cylindrical mirror analyzer: A new tool for surface analysis. Review of Scientific Instruments, 2001, 72, 3362-3365.	1.3	6
23	Probing buried magnetic interface structure with the quantum size effect in spin-dependent electron reflectivity. Ultramicroscopy, 2015, 159, 530-535.	1.9	6
24	Kinetic regime of step motion on the Si(111) (1 Ã— 1) surface. Surface and Interface Analysis, 2006, 38, 1632-1635.	1.8	5
25	Unveiling the medium-range order in glass models and its role in glass formation. Physical Review B, 2020, 101, .	3.2	5
26	Step effects on diffusion near a substrate reconstructive phase transition:â€ƒH on W(100). Physical Review B, 2003, 68, .	3.2	4
27	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
28	Fourier optics of image formation in aberration-corrected LEEM. Ultramicroscopy, 2019, 200, 160-168.	1.9	3
29	Role of Surface Steps in Thin Film Growth and Properties Studied by Leem. Materials Research Society Symposia Proceedings, 1994, 355, 235.	0.1	1
30	Cu(111) Electron Band Structure and Channeling by VLEED. Physica Status Solidi A, 1997, 163, 455-464.	1.7	1
31	Controlling magnetic interfaces using ordered surface alloys. Physical Review B, 2016, 94, .	3.2	1
32	High throughput scanning Î¼LEED imaging of surface structural heterogeneity: Defective graphene on Cu(111). Ultramicroscopy, 2019, 200, 67-72.	1.9	0
33	Reversible motions and disordered structure of soft particles in amorphous solids. Physical Review B, 2022, 105, .	3.2	0