

Adam Sweetman

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

336
citations

840585

11
h-index

887953

17
g-index

21
all docs

21
docs citations

21
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Toggle Bistable Atoms via Mechanical Switching of Bond Angle. Physical Review Letters, 2011, 106, 136101.	2.9	77
2	Critical Assessment of the Evidence for Striped Nanoparticles. PLoS ONE, 2014, 9, e108482.	1.1	41
3	Intramolecular bonds resolved on a semiconductor surface. Physical Review B, 2014, 90, .	1.1	29
4	Role of orbital overlap in atomic manipulation. Physical Review B, 2012, 85, .	1.1	28
5	Effect of the tip state during qPlus noncontact atomic force microscopy of Si(100) at 5 K: Probing the probe. Beilstein Journal of Nanotechnology, 2012, 3, 25-32.	1.5	26
6	On-surface chemical reactions characterised by ultra-high resolution scanning probe microscopy. Chemical Society Reviews, 2020, 49, 4189-4202.	18.7	26
7	Identifying passivated dynamic force microscopy tips on H:Si(100). Applied Physics Letters, 2012, 100, . Simultaneous noncontact AFM and STM of Ag:Si(111)-(T_j ETQq0 0 0 rgBT /Overlock 10 Tf 50 482 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>R</mml:mi><mml:msup><mml:mn>30</mml:mn><mml:mo>â~</mml:mo></mml:msup></mml:mrow></mml:math>	1.5	22
8	Physical Review B, 2013, 87, .	1.1	18
9	Uncertainties in forces extracted from non-contact atomic force microscopy measurements by fitting of long-range background forces. Beilstein Journal of Nanotechnology, 2014, 5, 386-393.	1.5	18
10	Unique Determination of \AA Subatomic \AA Contrast by Imaging Covalent Backbonding. Nano Letters, 2014, 14, 2265-2270.	4.5	12
11	Visualizing the orientational dependence of an intermolecular potential. Nature Communications, 2016, 7, 10621.	5.8	12
12	Intermolecular artifacts in probe microscope images of C_{60} assemblies. Physical Review B, 2015, 92, .	1.1	11
13	Chemical shielding of H ₂ O and HF encapsulated inside a C ₆₀ cage. Communications Chemistry, 2021, 4, .	2.0	7
14	Measuring the reactivity of a silicon-terminated probe. Physical Review B, 2016, 94, .	1.1	5
15	Nano-contact microscopy of supracrystals. Beilstein Journal of Nanotechnology, 2015, 6, 1229-1236.	1.5	2
16	AFM of self-organised nanoparticle arrays: frequency modulation, amplitude modulation, and force spectroscopy. Proceedings of SPIE, 2008, , .	0.8	1
17	Modelling of \AA sub-atomic \AA ™ contrast resulting from back-bonding on Si(111)-7 \AA –7. Beilstein Journal of Nanotechnology, 2016, 7, 937-945.	1.5	1
18	Imaging and manipulation of adsorbed Pb adatom structures on the Si(100) surface by noncontact atomic force microscopy. Physical Review B, 2020, 102, .	1.1	0

#	ARTICLE	IF	CITATIONS
19	Mechanochemistry at Silicon Surfaces. <i>Nanoscience and Technology</i> , 2015, , 247-274.	1.5	0
20	Cyclic Single Atom Vertical Manipulation on a Nonmetallic Surface. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11383-11390.	2.1	0