

Chris Nicklin

List of Publications by Year in descending order

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47
papers

818
citations

516710

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501196

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49
all docs

49
docs citations

49
times ranked

1625
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial rearrangements and strain evolution in the thin film growth of ZnPc on glass. Physical Review Materials, 2022, 6, .	2.4	1
2	<i>In Situ</i> Observations of the Growth Mode of Vacuum-Deposited β -Sexithiophene. Journal of Physical Chemistry C, 2020, 124, 11863-11869.	3.1	9
3	In-situ investigation of crystallization and structural evolution of a metallic glass in three dimensions at nano-scale. Materials and Design, 2020, 190, 108551.	7.0	4
4	Spin splitting and strain in epitaxial monolayer WS_2 on graphene. Physical Review B, 2020, 101, .	7.2	11
5	GCRF "START Launch Event. Synchrotron Radiation News, 2019, 32, 4-6.	0.8	1
6	Structure of a Superhydrophilic Surface: Wet Chemically Prepared Rutile-TiO ₂ (110)(1 Å ⁻¹). Journal of Physical Chemistry C, 2019, 123, 8463-8468.	3.1	15
7	Microscopy and spectroscopy study of nanostructural phase transformation from MoO_3 to Mo under UHV MBE conditions. Surface Science, 2019, 682, 64-74.	1.9	9
8	Atomistics of pre-nucleation layering of liquid metals at the interface with poor nucleants. Communications Chemistry, 2019, 2, .	4.5	115
9	Bragg coherent diffraction imaging of iron diffusion into gold nanocrystals. New Journal of Physics, 2018, 20, 113026.	2.9	11
10	The role of crystal orientation in the dissolution of UO ₂ thin films. Corrosion Science, 2018, 145, 162-169.	6.6	13
11	Molecular structure of the substrate-induced thin-film phase of tetracene. Journal of Chemical Physics, 2018, 149, 144701.	3.0	23
12	Reversible restructuring of supported Au nanoparticles during butadiene hydrogenation revealed by operando GISAXS/GIWAXS. Chemical Communications, 2017, 53, 5159-5162.	4.1	13
13	Direct Photoalignment and Optical Patterning of Molecular Thin Films. Advanced Materials, 2017, 29, 1604382.	21.0	7
14	MINERVA: A facility to study Microstructure and INterface Evolution in Realtime under VAcuum. Review of Scientific Instruments, 2017, 88, 103901.	1.3	11
15	Structural evolution of SnO_2 thin films on Si(110) by molecular beam epitaxy. Physical Review B, 2017, 95, 041405.	7.8	26
16	Fe Oxides on Ag Surfaces: Structure and Reactivity. Topics in Catalysis, 2017, 60, 492-502.	2.8	10
17	In-situ observation of stacking fault evolution in vacuum-deposited C60. Applied Physics Letters, 2017, 111, 233305.	3.3	4
18	Managing BHJ microstructural evolution for long-term photoconversion efficiency (Conference)		

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19	Diamond beamline I07: a beamline for surface and interface diffraction. Journal of Synchrotron Radiation, 2016, 23, 1245-1253.	2.4	51
20	In situ phase behaviour of a high capacity LiCoPO_4 electrode during constant or pulsed charge of a lithium cell. Chemical Communications, 2016, 52, 14169-14172.	4.1	17
21	Four-state ferroelectric spin-valve. Scientific Reports, 2015, 5, 9749.	3.3	38
22	Water corrosion of spent nuclear fuel: radiolysis driven dissolution at the UO_2 /water interface. Faraday Discussions, 2015, 180, 301-311.	3.2	28
23	Real-time observation of graphene layer growth: Coupling of the interlayer spacing with thickness. Carbon, 2015, 94, 775-780.	10.3	19
24	Geometry of $\text{Cr}_2\text{O}_3(0001)$ as a Function of H_2O Partial Pressure. Journal of Physical Chemistry C, 2015, 119, 21426-21433.	3.1	10
25	In situ observation of the orientation relationship at the interface plane between substrate and nucleus using X-ray scattering techniques. Scripta Materialia, 2014, 77, 60-63.	5.2	16
26	Capturing Surface Processes. Science, 2014, 343, 739-740.	12.6	13
27	The Nature of the Molybdenum Surface in Iron Molybdate. The Active Phase in Selective Methanol Oxidation. Journal of Physical Chemistry C, 2014, 118, 26155-26161.	3.1	56
28	Direct Observation of Active Material Concentration Gradients and Crystallinity Breakdown in LiFePO_4 Electrodes During Charge/Discharge Cycling of Lithium Batteries. Journal of Physical Chemistry C, 2014, 118, 6548-6557.	3.1	36
29	Atomic Diffusion within Individual Gold Nanocrystal. Scientific Reports, 2014, 4, 6765.	3.3	33
30	Silicon $\{110\}$ grain boundary interface structure determined by bicrystal Bragg rod X-ray scattering. Acta Materialia, 2013, 61, 5694-5701.	7.9	2
31	Surface structure of Bi_2Se_3 determined by low-energy electron diffraction and surface x-ray diffraction. Physical Review B, 2013, 88, 115407.	3.2	37
32	Implementation of a beam deflection system for studies of liquid interfaces on beamline I07 at Diamond. Journal of Synchrotron Radiation, 2012, 19, 408-416.	2.4	38
33	Atomic structure of $\text{CaF}_2/\text{MnF}_2$ superlattices from X-ray diffraction. Applied Surface Science, 2007, 253, 3991-3999.	6.1	1
34	An investigation of the growth and removal of protective antimony caps for antimonide epilayers. Thin Solid Films, 2006, 514, 198-203.	1.8	2
35	X-Ray Diffraction Studies of the $\text{InSb}(001)$ Surface. Japanese Journal of Applied Physics, 1999, 38, 301.	1.5	1
36	An X-ray diffraction study of oxide removal from $\text{InSb}(001)$ substrates. Applied Surface Science, 1998, 123-124, 141-145.	6.1	10

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37	Atomic structure of the InSb(001)-c(8 $\sqrt{3}$ –2) reconstruction determined by X-ray diffraction. Surface Science, 1998, 409, 27-36.	1.9	35
38	Atomic structure of the InSb(001)-c(4 $\sqrt{3}$ –4) reconstruction determined by X-ray diffraction. Surface Science, 1998, 398, 105-116.	1.9	8
39	Interface structure of Si(111)-($\sqrt{3}\sqrt{3}$)R30 $^{\circ}$ -ErSi ₂ \times . Surface Science, 1996, 345, 247-260.	1.9	35
40	The growth of Sm on Mo(110) studied by surface X-ray diffraction. Physica B: Condensed Matter, 1996, 221, 86-89.	2.7	15
41	Oxygen modified growth of Gd on Mo(110). Surface Science, 1995, 331-333, 961-964.	1.9	4
42	A SURFACE X-RAY DIFFRACTION STUDY OF THE GROWTH OF ULTRATHIN LAYERS OF Fe ON Cu(001). Surface Review and Letters, 1994, 01, 631-634.	1.1	1
43	Valence state of low-dimensional thulium structures grown on molybdenum (110). Surface Science, 1994, 307-309, 858-862.	1.9	1
44	Electronic properties of low-dimensional Sm films adsorbed on Cr(211) and Cr(110). Surface Science, 1993, 282, 1-9.	1.9	14
45	Structural study of Tm on Mo(110). Surface Science, 1992, 269-270, 700-706.	1.9	5
46	Exploring the Use of a Synchrotron X-Ray Scattering Method to Investigate Nucleation. Materials Science Forum, 0, 765, 102-106.	0.3	1
47	Structure of Strained Low-Dimensional Sb by In Situ Surface X-Ray Diffraction. Physica Status Solidi (B): Basic Research, 0, , 2100432.	1.5	0