

Michael S Pierce

List of Publications by Year in descending order

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27
papers

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623734

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all docs

28
docs citations

28
times ranked

888
citing authors

#	ARTICLE	IF	CITATIONS
1	Disorder-Induced Microscopic Magnetic Memory. <i>Physical Review Letters</i> , 2005, 94, 017202.	7.8	100
2	Quasistatic X-Ray Speckle Metrology of Microscopic Magnetic Return-Point Memory. <i>Physical Review Letters</i> , 2003, 90, 175502.	7.8	82
3	Disorder-induced magnetic memory: Experiments and theories. <i>Physical Review B</i> , 2007, 75, .	3.2	68
4	Surface X-Ray Speckles: Coherent Surface Diffraction from Au(001). <i>Physical Review Letters</i> , 2009, 103, 165501.	7.8	41
5	Influence of structural disorder on magnetic domain formation in perpendicular anisotropy thin films. <i>Physical Review B</i> , 2013, 87, .	3.2	41
6	Lubricating ability of two phosphonium-based ionic liquids as additives of a bio-oil for use in wind turbines gearboxes. <i>Wear</i> , 2017, 376-377, 756-765.	3.1	38
7	Hydrophilicity transition of the clean rutile TiO ₂ (1 1 0) surface. <i>Electrochimica Acta</i> , 2008, 53, 6173-6177.	5.2	30
8	Layering and Ordering in Electrochemical Double Layers. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1265-1271.	4.6	26
9	Phase separation, crystallinity and monomer-aggregate population control in solution processed small molecule solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 157, 366-376.	6.2	22
10	Problems with extraction of the nucleon τ (1232) photonic amplitudes. <i>Physical Review C</i> , 1999, 59, 1059-1063.	2.9	19
11	CO-Induced Lifting of Au(001) Surface Reconstruction. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2231-2234.	3.1	18
12	Ptychographic x-ray imaging of surfaces on crystal truncation rod. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	16
13	Persistent oscillations of x-ray speckles: Pt (001) step flow. <i>Applied Physics Letters</i> , 2011, 99, 121910.	3.3	15
14	Ordered Si Micropillar Arrays via Carbon-Nanotube-Assisted Chemical Etching for Applications Requiring Nonreflective Embedded Contacts. <i>ACS Applied Nano Materials</i> , 2019, 2, 7819-7826.	5.0	14
15	Dynamics of the Au (001) surface in electrolytes: <i>In situ</i> coherent x-ray scattering. <i>Physical Review B</i> , 2012, 86, .	3.2	13
16	Study of electrode surface dynamics using coherent surface X-ray scattering. <i>Electrochimica Acta</i> , 2012, 82, 570-575.	5.2	13
17	Charge-induced equilibrium dynamics and structure at the Ag(001)–electrolyte interface. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16682-16687.	2.8	12
18	Strong Spin Pumping in Permalloy-Iridium Heterostructures. <i>IEEE Magnetics Letters</i> , 2017, 8, 1-4.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Coherent x-ray scattering experiments of Pt(001) surface dynamics near a roughening transition. Physical Review B, 2012, 86, .	3.2	7
20	Partial glass isosymmetry transition in multiferroic hexagonal ErMnO ₃ . Physical Review B, 2016, 93, .	3.2	7
21	Studies of electrode structures and dynamics using coherent X-ray scattering and imaging. Current Opinion in Electrochemistry, 2017, 4, 89-94.	4.8	7
22	Direct determination of one-dimensional interphase structures using normalized crystal truncation rod analysis. Journal of Applied Crystallography, 2018, 51, 679-684.	4.5	6
23	In Situ Coherent X-ray Scattering and Scanning Tunneling Microscopy Studies of Hexagonally Reconstructed Au(001) in Electrolytes. ECS Transactions, 2011, 35, 71-81.	0.5	4
24	Epitaxial oxide bilayer on Pt (001) nanofacets. Journal of Chemical Physics, 2012, 136, 044704.	3.0	4
25	Investigation on the Gate Electrode Configuration of IGZO TFTs for Improved Channel Control and Suppression of Bias-Stress Induced Instability. ECS Transactions, 2016, 75, 189-197.	0.5	3
26	Growth of arrays of oriented epitaxial platinum nanoparticles with controlled size and shape by natural colloidal lithography. Nanoscale Research Letters, 2014, 9, 336.	5.7	1
27	Interaction of Molecular Oxygen with a Hexagonally Reconstructed Au(001) Surface. Journal of Physical Chemistry C, 2016, 120, 23001-23008.	3.1	0