

# Stephen Douglas Kevan

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4608310/stephen-douglas-kevan-publications-by-citations.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

201 papers	7,470 citations	50 h-index	78 g-index
214 ext. papers	7,886 ext. citations	4.7 avg, IF	5.49 L-index

#	Paper	IF	Citations
201	Instability and Charge Density Wave of Metallic Quantum Chains on a Silicon Surface. <i>Physical Review Letters</i> , <b>1999</b> , 82, 4898-4901	7.4	499
200	High-resolution photoemission study of the electronic structure of the noble-metal (111) surfaces. <i>Physical Review B</i> , <b>1987</b> , 36, 5809-5818	3.3	317
199	Evidence For a New Broadening Mechanism in Angle-Resolved Photoemission from Cu(111). <i>Physical Review Letters</i> , <b>1983</b> , 50, 526-529	7.4	299
198	Soft-x-ray resonant inelastic scattering at the C K edge of diamond. <i>Physical Review Letters</i> , <b>1992</b> , 69, 2598-2601	7.4	215
197	Quasiparticle transformation during a metal-insulator transition in graphene. <i>Physical Review Letters</i> , <b>2009</b> , 103, 056404	7.4	187
196	Surface states and reconstruction on Ge(001). <i>Physical Review B</i> , <b>1985</b> , 32, 2344-2350	3.3	168
195	Band structures of the layer compounds 1T-TaS <sub>2</sub> and 2H-TaSe <sub>2</sub> in the presence of commensurate charge-density waves. <i>Journal of Physics C: Solid State Physics</i> , <b>1985</b> , 18, 3175-3189		143
194	Spin-resolved photoemission of surface states of W(110)-(1 x 1)H. <i>Physical Review Letters</i> , <b>2002</b> , 89, 216802	7.4	131
193	Normal Photoelectron Diffraction of the Se 3d Level in Se Overlayers on Ni(100). <i>Physical Review Letters</i> , <b>1978</b> , 41, 1565-1568	7.4	126
192	Spin-Orbit Coupling Induced Surface Band Splitting in Li/W(110) and Li/Mo(110). <i>Physical Review Letters</i> , <b>1999</b> , 82, 4066-4069	7.4	125
191	Mechanism of gap opening in a triple-band Peierls system: in atomic wires on Si. <i>Physical Review Letters</i> , <b>2004</b> , 93, 106401	7.4	117
190	Tailoring magnetic energies to form dipole skyrmions and skyrmion lattices. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	114
189	High-resolution angle-resolved-photoemission studies of the M̄-point surface state on Cu (001). <i>Physical Review B</i> , <b>1980</b> , 22, 542-548	3.3	114
188	Metal-Insulator Transition on the Ge(001) Surface. <i>Physical Review Letters</i> , <b>1984</b> , 53, 702-705	7.4	107
187	Surface states on low-Miller-index copper surfaces. <i>Physical Review B</i> , <b>1985</b> , 31, 3348-3355	3.3	95
186	Normal photoelectron diffraction of c(2̄ × 2̄)O(1s)/Ni(001) and c(2̄ × 2̄)S(2p)/Ni(001), with Fourier-transform analysis. <i>Physical Review B</i> , <b>1981</b> , 23, 3828-3835	3.3	95
185	Disorder-induced microscopic magnetic memory. <i>Physical Review Letters</i> , <b>2005</b> , 94, 017202	7.4	91

184	Design of a high-resolution angle-resolving electron energy analyzer. <i>Review of Scientific Instruments</i> , <b>1983</b> , 54, 1441-1445	1.7	91
183	Nonlifetime effects in photoemission linewidths. <i>Physical Review B</i> , <b>1983</b> , 28, 4267-4271	3.3	90
182	Indium square root 7 x square root 3 on Si(111): a nearly free electron metal in two dimensions. <i>Physical Review Letters</i> , <b>2003</b> , 91, 246404	7.4	88
181	Valence-band structure of silver along $\Gamma$ from angle-resolved photoemission. <i>Physical Review B</i> , <b>1979</b> , 19, 6164-6171	3.3	87
180	High-resolution angle-resolved photoemission studies of the surface states on Al(111) and Al(001). <i>Physical Review B</i> , <b>1985</b> , 31, 1788-1795	3.3	85
179	Observation of a new surface state on Cu(001). <i>Physical Review B</i> , <b>1983</b> , 28, 2268-2270	3.3	83
178	New insights into the kinetics of formic acid decomposition on copper surfaces. <i>Surface Science</i> , <b>1986</b> , 172, 385-397	1.8	83
177	Angle-resolved photoemission determination of fine valence bands in Pt and Au using synchrotron radiation. <i>Physical Review B</i> , <b>1980</b> , 22, 581-592	3.3	81
176	Structural Determination of Molecular Overlayer Systems with Normal Photoelectron Diffraction: c(2 $\times$ 2) CO-Ni(001) and (3 $\times$ 3)R30 $^\circ$ CO-Ni(111). <i>Physical Review Letters</i> , <b>1981</b> , 46, 1629-1632	7.4	79
175	Experimental Fermi surfaces of clean and hydrogen-covered W(110). <i>Physical Review Letters</i> , <b>1989</b> , 62, 2036-2039	7.4	78
174	Evolution of Fermi Level Crossings versus H Coverage on W(110). <i>Physical Review Letters</i> , <b>1998</b> , 80, 2905-2908	7.4	76
173	High-resolution angle-resolved photoemission study of the Cu(011) surface state. <i>Physical Review B</i> , <b>1983</b> , 28, 4822-4824	3.3	74
172	Quasistatic x-ray speckle metrology of microscopic magnetic return-point memory. <i>Physical Review Letters</i> , <b>2003</b> , 90, 175502	7.4	72
171	Coupling between adsorbate vibrations and an electronic surface state. <i>Physical Review Letters</i> , <b>2000</b> , 84, 2925-8	7.4	69
170	Electronic structures of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>3</sub> O <sub>4</sub> from O K-edge absorption and emission spectroscopy. <i>Physical Review B</i> , <b>1993</b> , 48, 2109-2111	3.3	69
169	Experimental Fermi surface of Mo(011). <i>Physical Review B</i> , <b>1989</b> , 39, 2973-2981	3.3	67
168	Coherent Soft-X-Ray Dynamic Light Scattering from Smectic- A Films. <i>Physical Review Letters</i> , <b>1999</b> , 82, 755-758	7.4	65
167	Observation of the two-hole satellite in Cr and Fe metal by resonant photoemission at the 2p absorption energy. <i>Physical Review B</i> , <b>2000</b> , 61, 12582-12585	3.3	64

166	Lensless X-ray imaging in reflection geometry. <i>Nature Photonics</i> , <b>2011</b> , 5, 243-245	33.9	63
165	Spin-orbit-interaction-induced surface resonance on W(011). <i>Physical Review B</i> , <b>1987</b> , 36, 9337-9340	3.3	63
164	Soft x-ray ptychography studies of nanoscale magnetic and structural correlations in thin SmCo <sub>5</sub> films. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 094103	3.4	62
163	Coupled Skyrmion sublattices in Cu(2)OSeO(3). <i>Physical Review Letters</i> , <b>2014</b> , 112, 167202	7.4	60
162	Disorder-induced magnetic memory: Experiments and theories. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	59
161	Synthesizing skyrmion bound pairs in Fe-Gd thin films. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 022402	3.4	59
160	Electronic structure of the (2 x 2)C rho 4g carbidic phase on Ni{100}. <i>Physical Review B</i> , <b>1986</b> , 34, 2199-2206	3.6	58
159	Enhanced electron-phonon coupling at metal surfaces. <i>Progress in Surface Science</i> , <b>2003</b> , 74, 251-268	6.6	57
158	High-temperature symmetry breaking in the electronic band structure of the quasi-one-dimensional solid NbSe <sub>3</sub> . <i>Physical Review Letters</i> , <b>2001</b> , 87, 196403	7.4	55
157	Differential photoelectron holography: a new approach for three-dimensional atomic imaging. <i>Physical Review Letters</i> , <b>2002</b> , 88, 055504	7.4	55
156	Desorption and molecular interactions on surfaces: , and. <i>Surface Science</i> , <b>1997</b> , 381, 49-64	1.8	53
155	Experimental band structure of 1T-TiSe <sub>2</sub> in the normal and charge-density-wave phases. <i>Physical Review B</i> , <b>1985</b> , 31, 8049-8055	3.3	53
154	Direct measure of surface impurity scattering by angle-resolved photoemission. <i>Physical Review B</i> , <b>1986</b> , 33, 4364-4366	3.3	51
153	Unusual spectral behavior of charge-density waves with imperfect nesting in a quasi-one-dimensional metal. <i>Physical Review Letters</i> , <b>2003</b> , 91, 066401	7.4	50
152	Reconstruction and Fermi surface of W(001). <i>Physical Review B</i> , <b>1990</b> , 42, 5385-5387	3.3	50
151	Development of dispersion compensation for use in high-resolution electron-energy-loss spectroscopy. <i>Review of Scientific Instruments</i> , <b>1984</b> , 55, 1604-1612	1.7	47
150	Direct Spectroscopic Observation of the Energy Gap Formation in the Spin Density Wave Phase Transition at the Cr(110) Surface. <i>Physical Review Letters</i> , <b>1999</b> , 83, 2069-2072	7.4	46
149	A 6 m toroidal-grating-monochromator beam line for high momentum-resolution photoelectron spectroscopy. <i>Nuclear Instruments &amp; Methods in Physics Research</i> , <b>1984</b> , 222, 85-90		44

148	First results from the SpectroMicroscopy Beamline at the Advanced Light Source. <i>Review of Scientific Instruments</i> , <b>1995</b> , 66, 1342-1345	1.7	43
147	Holographic atomic images from surface and bulk W(110) photoelectron diffraction data. <i>Physical Review B</i> , <b>1999</b> , 59, 5857-5870	3.3	41
146	Nanosecond X-Ray Photon Correlation Spectroscopy on Magnetic Skyrmions. <i>Physical Review Letters</i> , <b>2017</b> , 119, 067403	7.4	40
145	Angle-resolved photoemission study of the clean and hydrogen-covered Pt(111) surface. <i>Physical Review B</i> , <b>1992</b> , 45, 3652-3658	3.3	40
144	X-ray diffraction microscopy of magnetic structures. <i>Physical Review Letters</i> , <b>2011</b> , 107, 033904	7.4	39
143	Desorption and molecular interactions on surfaces: CO/Cu(001) and Cu(011). <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 2281-2293	3.9	39
142	The electronic structure of solids studied using angle resolved photoemission spectroscopy. <i>Progress in Solid State Chemistry</i> , <b>1991</b> , 21, 49-131	8	39
141	Electron states and the spin density wave phase diagram in Cr(1 1 0) films. <i>New Journal of Physics</i> , <b>2005</b> , 7, 114-114	2.9	38
140	Time-resolved electron energy loss spectroscopy study of water desorption from Ag(011). <i>Journal of Chemical Physics</i> , <b>1989</b> , 91, 7964-7971	3.9	37
139	Normal photoelectron diffraction studies of selenium and sulfur overlayers on Ni(011) and Ni(111). <i>Physical Review B</i> , <b>1982</b> , 26, 1812-1818	3.3	37
138	Electronic effects in the Mo(001) surface reconstruction: Two-dimensional Fermi surfaces and nonadiabaticity. <i>Physical Review B</i> , <b>1991</b> , 43, 3986-3993	3.3	36
137	Determining Nanoparticle Size in Real Time by Small-Angle X-ray Scattering in a Microscale Flow System. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 22055-22063	3.8	34
136	Spin-orbit effects on the bulk penetration and energy shift of Tamm states on Cu(001) and Ag(001). <i>Physical Review B</i> , <b>1985</b> , 32, 4956-4960	3.3	34
135	Laguerre-Gauss and Hermite-Gauss soft X-ray states generated using diffractive optics. <i>Nature Photonics</i> , <b>2019</b> , 13, 205-209	33.9	34
134	Photoelectron-diffraction measurements of sulfur and selenium adsorbed on Ni(001). <i>Physical Review B</i> , <b>1979</b> , 20, 4133-4139	3.3	33
133	Rashba effect at the surfaces of rare-earth metals and their monoxides. <i>New Journal of Physics</i> , <b>2009</b> , 11, 013035	2.9	32
132	Relativistic effects on the surface electronic structure of Mo(011). <i>Physical Review B</i> , <b>1988</b> , 38, 10302-10312	3.12	32
131	The electronic structure of graphitic overlayers on Ni{100}. <i>Surface Science</i> , <b>1986</b> , 171, L447-L453	1.8	32

130	Identification of Chemisorption Levels on Iridium by Field-Emission Spectroscopy. <i>Physical Review Letters</i> , <b>1978</b> , 41, 323-326	7.4	32
129	Influence of structural disorder on magnetic domain formation in perpendicular anisotropy thin films. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	31
128	Time-resolved electron energy loss spectroscopy. <i>Science</i> , <b>1985</b> , 230, 256-61	33.3	31
127	Dynamic correlation functions for finite and infinite smectic-A systems: Theory and experiment. <i>Physical Review E</i> , <b>1998</b> , 58, 2027-2040	2.4	30
126	Nonadiabatic adsorbate vibrational damping and surface electronic structure: H on W(001). <i>Physical Review Letters</i> , <b>1990</b> , 64, 567-570	7.4	30
125	Perturbations on surface electronic structure induced by trace impurities: K on Cu(111). <i>Surface Science</i> , <b>1986</b> , 178, 229-243	1.8	30
124	Condensed phase photoelectron asymmetry. <i>Chemical Physics Letters</i> , <b>1980</b> , 71, 448-451	2.5	30
123	Non-monotonic lateral interactions in CO/Pt(111). <i>Surface Science</i> , <b>1994</b> , 320, 77-84	1.8	28
122	Anomalous surface-state penetration near a band edge. <i>Physical Review Letters</i> , <b>1986</b> , 57, 2975-2978	7.4	27
121	General instrumentation considerations in electron and ion spectroscopies using synchrotron radiation. <i>Nuclear Instruments &amp; Methods in Physics Research</i> , <b>1982</b> , 195, 309-321		27
120	Nonlinear optical spectroscopy of the Ag(111) surface in an electrolyte and in vacuum. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 5535-5546	3.9	26
119	Surface-state-surface-resonance transition on Ta(011). <i>Physical Review Letters</i> , <b>1990</b> , 64, 3151-3154	7.4	26
118	Resonant properties of dipole skyrmions in amorphous Fe/Gd multilayers. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	25
117	Random registry shifts in quasi-one-dimensional adsorbate systems. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	25
116	Evaluation of partial coherence correction in X-ray ptychography. <i>Optics Express</i> , <b>2015</b> , 23, 5452-67	3.3	24
115	Orbital domain dynamics in a doped manganite. <i>New Journal of Physics</i> , <b>2008</b> , 10, 053023	2.9	24
114	Photoemission study of the surface electronic structure of W(001). <i>Physical Review B</i> , <b>1991</b> , 44, 10826-10834	9.9	24
113	Off-normal photoelectron diffraction study of the c(2x2) selenium overlayer on Ni(001). <i>Physical Review B</i> , <b>1982</b> , 26, 3181-3186	3.3	24

112	Isothermal measurements of NH <sub>3</sub> and ND <sub>3</sub> desorption from Cu(001). <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 7494-7498	3.9	23
111	Adsorbate sensitivity enhancement in photoemission: CO on Pd. <i>Chemical Physics Letters</i> , <b>1978</b> , 57, 334-337		23
110	Surface electronic structure and dynamical interactions on Ta(011) and H/Ta(011). <i>Physical Review B</i> , <b>1991</b> , 44, 8233-8242	3.3	22
109	Surface states and spin density wave periodicity in Cr(110) films. <i>New Journal of Physics</i> , <b>2008</b> , 10, 023003	3.9	21
108	Experimental Fermi surface for W(011). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1989</b> , 7, 2203-2206	2.9	21
107	Effective-mass theory of simple surface states. <i>Physical Review B</i> , <b>1986</b> , 34, 6713-6718	3.3	21
106	Electron-phonon coupling in W(110)-(1 $\bar{1}$ 1)H. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2002</b> , 126, 125-132	1.7	20
105	Dual nature of a charge-density-wave transition on In/Cu(001). <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	20
104	Isothermal coverage dependent measurements of NH <sub>3</sub> and ND <sub>3</sub> desorption from Cu(001). <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 5355-5363	3.9	20
103	Symmetry effects in hydrogen chemisorption electronic structure. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1989</b> , 7, 2199-2202	2.9	20
102	Brightness of micronozzle helium source. <i>Review of Scientific Instruments</i> , <b>2006</b> , 77, 055107	1.7	19
101	Trends in lateral interactions between CO chemisorbed on low index copper surfaces. <i>Surface Science</i> , <b>1995</b> , 326, 167-176	1.8	19
100	Spatial and Temporal Correlations of XY Macro Spins. <i>Nano Letters</i> , <b>2018</b> , 18, 7428-7434	11.5	19
99	Cone phase and magnetization fluctuations in Au/Co/Au thin films near the spin-reorientation transition. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	18
98	Threshold Phenomena in Nonlinear Currents upon Metallization of Si(001). <i>Europhysics Letters</i> , <b>1993</b> , 22, 377-382	1.6	18
97	Electronic structure of (1 x 1) H/Mo(001): Two-dimensional Fermi. <i>Physical Review B</i> , <b>1991</b> , 43, 1831-1834	3.3	18
96	Comparison of the second-harmonic response from Ag(111) in UHV and solution. <i>Chemical Physics Letters</i> , <b>1990</b> , 168, 468-472	2.5	18
95	Lattice-gas virial coefficients from isothermal desorption measurements: CO on Cu(001) and Cu(011). <i>Physical Review Letters</i> , <b>1990</b> , 65, 2563-2566	7.4	18



94	Interactions between adsorbed molecules. <i>Journal of Molecular Catalysis A</i> , <b>1998</b> , 131, 19-30		17
93	Coherent soft X-ray magnetic scattering. <i>Synchrotron Radiation News</i> , <b>2001</b> , 14, 11-19	0.6	17
92	Coverage dependent desorption measurements of. <i>Surface Science</i> , <b>1990</b> , 235, L285-L290	1.8	17
91	Electronic contributions to the hydrogen-induced reconstruction of W(110). <i>Physical Review B</i> , <b>1988</b> , 37, 8491-8494	3.3	17
90	Speckle patterns with atomic and molecular de Broglie waves. <i>Physical Review Letters</i> , <b>2006</b> , 97, 013202	7.4	16
89	Interactions between adsorbed molecules: CO on Ni(111). <i>Surface Science</i> , <b>1997</b> , 370, 64-70	1.8	15
88	Probing complex materials with coherent soft X-rays. <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 92, 431-437	2.6	15
87	Surface localized states and the Fermi contour of Pd(001). <i>Physical Review B</i> , <b>1991</b> , 43, 3893-3896	3.3	15
86	Surface Fermi contours and phonon anomalies on Pt(111). <i>Physical Review B</i> , <b>1991</b> , 43, 12062-12065	3.3	15
85	Magnetic memory in ferromagnetic thin films via exchange coupling. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	14
84	Dispersion compensation high-resolution electron energy-loss spectrometer for time-resolved surface studies. <i>Review of Scientific Instruments</i> , <b>1991</b> , 62, 1256-1262	1.7	14
83	Anomalous broadening of angle-resolved photoemission linewidths on W(011). <i>Physical Review B</i> , <b>1990</b> , 41, 8516-8518	3.3	14
82	Surface Fermi Surfaces. <i>Physica Scripta</i> , <b>1990</b> , T31, 32-34	2.6	14
81	Direct, real-time measurement of adsorption and desorption kinetics on Cu(100). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1986</b> , 39, 27-34	1.7	14
80	Time-resolved measurement of free carrier absorption, diffusivity, and internal quantum efficiency in silicon. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 092101	3.4	13
79	Oscillating spatial dependence of domain memory in ferromagnetic films mapped via x-ray speckle correlation. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	13
78	Alkali-metal chemisorption on Ta(110). <i>Physical Review B</i> , <b>1995</b> , 51, 1823-1829	3.3	13
77	Evidence for the itinerant electron model of ferromagnetism and for surface photoemission from angle-resolved photoemission studies of iron. <i>Solid State Communications</i> , <b>1978</b> , 28, 517-520	1.6	13



76	Evolution of the electronic structure in Mo1-xRe <sub>x</sub> alloys. <i>New Journal of Physics</i> , <b>2013</b> , 15, 093010	2.9	12
75	Fermi contours and surface dynamical phenomena. <i>Surface Science</i> , <b>1994</b> , 307-309, 832-842	1.8	12
74	Coverage-dependent desorption measurements for CO/Ag(011). <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 8592-8598	3.9	12
73	Mapping spatial and field dependence of magnetic domain memory by soft X-ray speckle metrology. <i>Journal of Synchrotron Radiation</i> , <b>2012</b> , 19, 293-306	2.4	11
72	Altered magnetism and new electronic length scales in magneto-electric La <sub>2</sub> /3Sr <sub>1</sub> /3MnO <sub>3</sub> /BiFeO <sub>3</sub> heterointerface. <i>New Journal of Physics</i> , <b>2013</b> , 15, 113042	2.9	11
71	Fermi surface studies using angle-resolved photoemission. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1995</b> , 75, 175-186	1.7	11
70	Emergent rotational symmetries in disordered magnetic domain patterns. <i>Physical Review Letters</i> , <b>2011</b> , 107, 257204	7.4	10
69	The Effect of Oil Spraying on Eggs of Double-Crested Cormorants. <i>The Environmentalist</i> , <b>2004</b> , 24, 119-124		10
68	Many body effects at surfaces and interfaces. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2001</b> , 117-118, 57-70	1.7	10
67	Molecular interactions on surfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1994</b> , 12, 2029-2036	2.9	10
66	Substrate-Dependent C(1s) Shape Resonance in CO Overlayers on Ni(111) and Ni(001). <i>Physical Review Letters</i> , <b>1980</b> , 45, 1877-1880	7.4	10
65	The interaction of quasi-particles in graphene with chemical dopants. <i>New Journal of Physics</i> , <b>2010</b> , 12, 125014	2.9	9
64	Effect of structural incoherence on the low-angle diffraction pattern of synthetic multilayer materials. <i>Journal of Applied Physics</i> , <b>1993</b> , 74, 905-912	2.5	9
63	Fermi contours and adsorbate periodicities: O/Mo(011) and O/W(011). <i>Physical Review Letters</i> , <b>1994</b> , 73, 1448-1451	7.4	9
62	Observation of electronic structure at the metal/electrolyte and metal/vacuum interface by second-harmonic generation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1992</b> , 10, 2996-3000	2.9	9
61	Partially coherent x-ray diffractive imaging of complex objects. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	8
60	Energy gap of the spin density wave at the Cr(110) surface. <i>Surface Science</i> , <b>2000</b> , 454-456, 885-890	1.8	8
59	Synthesis of Superlattices of Intercalated Transition Metal Dichalcogenides. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 8910-8915	16.4	8

58	Photoemission study of the surface electronic structure of Mo(001) and Mo(001)-2H. <i>Physical Review B</i> , <b>1992</b> , 45, 13642-13646	3.3	8
57	Experimental band structure of ordered Cu overlayers on Ag(001). <i>Physical Review B</i> , <b>1985</b> , 32, 5038-5043	3.3	8
56	Temperature dependence of normal-emission photoelectron diffraction and analogies with extended x-ray-absorption fine structure. <i>Physical Review B</i> , <b>1981</b> , 23, 493-498	3.3	8
55	Scaling of domain cascades in stripe and skyrmion phases. <i>Nature Communications</i> , <b>2019</b> , 10, 1988	17.4	7
54	Skyrmion fluctuations at a first-order phase transition boundary. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 181904	9.1	7
53	Development of coherent scattering and diffractive imaging and the COSMIC facility at the Advanced Light Source. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 425, 192011	0.3	7
52	Controlling the magnetic ground state in Cr <sub>1-x</sub> V <sub>x</sub> films. <i>Physical Review Letters</i> , <b>2007</b> , 99, 147208	7.4	7
51	Molecular interactions and cooperativity in coadsorption: CO + NoPt(111). <i>Surface Science</i> , <b>1996</b> , 355, L319-L324	1.8	7
50	Angle-resolved photoemission studies of the valence-band structure of stepped crystal surfaces: Cu(S)-. <i>Physical Review B</i> , <b>1985</b> , 31, 1997-2004	3.3	7
49	Fermi contours and adsorbate phonon anomalies for Li/Mo(110) and Li/W(110). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2001</b> , 19, 1983-1987	2.9	6
48	Time-resolved EELS study of CO <sub>2</sub> desorption from Ag (011). <i>Chemical Physics Letters</i> , <b>1990</b> , 175, 371-376	2.5	6
47	Summary Abstract: Direct, real-time measurement of the adsorption and desorption kinetics of CO and Cu(100). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1986</b> , 4, 1505-1505	2.9	6
46	Delocalization of the Fe 3d levels in the quasi-two-dimensional correlated insulator FePS <sub>3</sub> . <i>Physical Review B</i> , <b>1994</b> , 50, 15276-15286	3.3	5
45	Unified kinetic and thermodynamic treatment of a two-dimensional gas-liquid phase transition: CH <sub>4</sub> on Ag(110). <i>Physical Review Letters</i> , <b>1991</b> , 66, 433-436	7.4	5
44	Summary Abstract: Surface states and reconstruction on W(011) and Mo(011). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1988</b> , 6, 636-637	2.9	5
43	Switchable X-Ray Orbital Angular Momentum from an Artificial Spin Ice. <i>Physical Review Letters</i> , <b>2021</b> , 126, 117201	7.4	5
42	Microscopic return point memory in Co/Pd multilayer films. <i>New Journal of Physics</i> , <b>2010</b> , 12, 035009	2.9	4
41	Lateral structure of (TiSe <sub>2</sub> ) <sub>n</sub> (NbSe <sub>2</sub> ) <sub>m</sub> superlattices. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 7787-7792	2.5	4

40	Long-period surface structure stabilized by Fermi surface nesting: Cu(001). <i>Physical Review B</i> , <b>2006</b> , 73, 075407. <a href="#">DOI: 10.1103/PhysRevB.73.075407</a>	3.3	4
39	Low angle X-ray diffraction as a probe of reactions at buried interfaces and as characterization technique for thin films. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1995</b> , 195, 21-27	5.3	4
38	Lateral interactions and corrugation in physisorption systems: CH <sub>4</sub> /Cu(100). <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 7808-7814	3.9	4
37	The role of non-adiabaticity and two-dimensional Fermi surfaces in the reconstruction of Mo(001) and W(001). <i>Applied Surface Science</i> , <b>1991</b> , 48-49, 135-138	6.7	4
36	Kinetic and thermodynamic measurements of a two-dimensional gas-liquid phase transition: CCH <sub>4</sub> on Ag(110). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1990</b> , 54-55, 551-560	1.7	4
35	Summary Abstract: Time-resolved surface vibrational spectroscopy using a novel high resolution EELS spectrometer. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1985</b> , 3, 1643-1644	2.9	4
34	Records on floral biology and visitors of Jacquemontia montana (Moric.) Meisn. (Convolvulaceae) in Mucugê-Bahia. <i>Brazilian Journal of Biology</i> , <b>2010</b> , 70, 671-6	1.5	4
33	A New Light for Berkeley Lab's Advanced Light Source Upgrade. <i>Synchrotron Radiation News</i> , <b>2019</b> , 32, 32-36	0.6	3
32	Fermi surface and quantum well states of V(110) films on W(110). <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 355005	1.8	3
31	Imaging of Cu(001) atoms by a new differential approach to photoelectron holography. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2001</b> , 114-116, 455-460	1.7	3
30	Substrate-mediated dispersion interaction effects in the properties of a physisorbed gas. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 4152-4159	3.9	3
29	Angle-resolved photoemission study of the clean and hydrogen-covered Rh(111) surface. <i>Physical Review B</i> , <b>1994</b> , 49, 4821-4826	3.3	3
28	Summary Abstract: Metal-insulator transition on the Ge(001) surface. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1985</b> , 3, 1497-1498	2.9	3
27	Electronic coherence length following pulsed-laser annealing of Cu(001). <i>Physical Review B</i> , <b>1985</b> , 31, 3343-3347	3.3	3
26	Normal emission photoelectron diffraction studies at Stanford Synchrotron Radiation Laboratory. <i>Applied Optics</i> , <b>1980</b> , 19, 3974-7	1.7	3
25	Momentum transfer resolved memory in a magnetic system with perpendicular anisotropy. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 122505	3.4	2
24	Electronic interactions and phase transitions at surfaces and in low dimensions. <i>Applied Physics A: Materials Science and Processing</i> , <b>2005</b> , 80, 965-970	2.6	2
23	Spontaneous fluctuations in a magnetic Fe/Gd skyrmion lattice. <i>Physical Review Research</i> , <b>2021</b> , 3, 013001	3.9	2

- 22 Morphology and growth behavior of O<sub>2</sub>-free chemical bath deposited ZnS thin films. *Thin Solid Films*, **2015**, 593, 131-136 2.2 1
- 21 Pixelated Detector With Photon Address Event Driven Time Stamping and Correlation. *IEEE Transactions on Nuclear Science*, **2014**, 61, 2323-2332 1.7 1
- 20 Current-voltage relation for a field ionizing He beam detector. *Journal of Applied Physics*, **2009**, 105, 044910 2.1 1
- 19 Networked Physics Curriculum: From Static Web to Dynamic Java. *International Journal of Modern Physics C*, **1997**, 08, 79-95 1.1 1
- 18 The effect of layer thickness and composition on the kinetics of solid state reactions in the niobium-selenium system studied using superlattice reactants. *Journal of Alloys and Compounds*, **1997**, 248, 59-65 5.7 1
- 17 Domain mapping of a Ca-doped manganite. *Applied Physics Letters*, **2008**, 92, 131907 3.4 1
- 16 Fermi Surface Mapping Using a Third Generation Light Source. *Materials Research Society Symposia Proceedings*, **1996**, 437, 47 1
- 15 Determination of atomic density profiles in synthetic multilayers by anomalous x-ray diffraction. *Applied Physics Letters*, **1993**, 62, 1771-1773 3.4 1
- 14 A normal incidence vacuum ultraviolet emission spectrometer. *Review of Scientific Instruments*, **1992**, 63, 1896-1901 1.7 1
- 13 Distinguishing Between Coherent Interdiffusion and Incoherent Roughness in Synthetic Multilayers Using X-Ray Diffraction. *Materials Research Society Symposia Proceedings*, **1992**, 280, 241 1
- 12 Textured heterogeneity in square artificial spin ice. *Physical Review B*, **2019**, 99, 3.3 1
- 11 Electronic precursor states of the charge density wave in NbSe<sub>3</sub>. *Physica B: Condensed Matter*, **2002**, 312-313, 650-652 2.8
- 10 PEIERLS FLUCTUATIONS IN THE ELECTRON SYSTEM OF A QUASI-ONE-DIMENSIONAL SOLID. *Surface Review and Letters*, **2002**, 09, 1029-1033 1.1
- 9 In/Si(111): Self-Assembled One and Two-Dimensional Electron Gases. *Materials Research Society Symposia Proceedings*, **2000**, 648, 1 5.3
- 8 Complete k-Space Visualization of X-Ray Photoelectron Diffraction. *Materials Research Society Symposia Proceedings*, **1996**, 437, 3
- 7 Scanning Transmission X-Ray Microscopy Study of TiSe<sub>2</sub>/NbSe<sub>2</sub> Superlattices. *Materials Research Society Symposia Proceedings*, **1996**, 441, 603
- 6 Surface Core-Level Photoelectron Diffraction of Surface Reconstructions. *Materials Research Society Symposia Proceedings*, **1994**, 375, 145
- 5 The use of superlattices to probe and control reactions at buried interfaces. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1993**, 162, 115-122 5.3

- |   |   |     |
|---|---|-----|
| 4 | Summary Abstract: Small perturbations on surface electronic structure induced by trace impurities. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1986</b> , 4, 1306-1307 | 2.9 |
| 3 | Summary Abstract: Anomalous bulk penetration of a surface state near a bulk band edge. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1988</b> , 6, 810-811               | 2.9 |
| 2 | Direct Measurements of Surface Kinetics by Time-Resolved Electron Energy Loss Spectroscopy. <i>Springer Series in Surface Sciences</i> , <b>1987</b> , 63-70  | 0.4 |
| 1 | Surface Fermi contours and phonon anomalies at the surface of the random alloy. <i>Journal of Physics Communications</i> , <b>2021</b> , 5, 075008  | 1.2 |