

# Stephen Douglas Kevan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 201 | Switchable X-Ray Orbital Angular Momentum from an Artificial Spin Ice. <i>Physical Review Letters</i> , <b>2021</b> , 126, 117201                                 | 7.4  | 5         |
| 200 | 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  |           |
| 199 | Spontaneous fluctuations in a magnetic Fe/Gd skyrmion lattice. <i>Physical Review Research</i> , <b>2021</b> , 3,   | 3.9  | 2         |
| 198 | Skyrmion fluctuations at a first-order phase transition boundary. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 181901                                      | 3.4  | 7         |
| 197 | Scaling of domain cascades in stripe and skyrmion phases. <i>Nature Communications</i> , <b>2019</b> , 10, 1988   | 17.4 | 7         |
| 196 | A New Light for Berkeley Lab's the Advanced Light Source Upgrade. <i>Synchrotron Radiation News</i> , <b>2019</b> , 32, 32-36                                     | 0.6  | 3         |
| 195 | Textured heterogeneity in square artificial spin ice. <i>Physical Review B</i> , <b>2019</b> , 99,  | 3.3  | 1         |
| 194 | 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        |
| 193 | Spatial and Temporal Correlations of XY Macro Spins. <i>Nano Letters</i> , <b>2018</b> , 18, 7428-7434  | 11.5 | 19        |
| 192 | Tailoring magnetic energies to form dipole skyrmions and skyrmion lattices. <i>Physical Review B</i> , <b>2017</b> , 95,  | 3.3  | 114       |
| 191 | Nanosecond X-Ray Photon Correlation Spectroscopy on Magnetic Skyrmions. <i>Physical Review Letters</i> , <b>2017</b> , 119, 067403                                | 7.4  | 40        |
| 190 | Resonant properties of dipole skyrmions in amorphous Fe/Gd multilayers. <i>Physical Review B</i> , <b>2017</b> , 95,  | 3.3  | 25        |
| 189 | Synthesizing skyrmion bound pairs in Fe-Gd thin films. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 022402   | 3.4  | 59        |
| 188 | Soft x-ray ptychography studies of nanoscale magnetic and structural correlations in thin SmCo5 films. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 094103 | 3.4  | 62        |
| 187 | Evaluation of partial coherence correction in X-ray ptychography. <i>Optics Express</i> , <b>2015</b> , 23, 5452-67   | 3.3  | 24        |
| 186 | Morphology and growth behavior of O2-free chemical bath deposited ZnS thin films. <i>Thin Solid Films</i> , <b>2015</b> , 593, 131-136                            | 2.2  | 1         |
| 185 | Coupled Skyrmion sublattices in Cu(2)OSeO(3). <i>Physical Review Letters</i> , <b>2014</b> , 112, 167202  | 7.4  | 60        |

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|-----|--|------|----|
| 184 | Pixelated Detector With Photon Address Event Driven Time Stamping and Correlation. <i>IEEE Transactions on Nuclear Science</i> , <b>2014</b> , 61, 2323-2332   | 1.7  | 1  |
| 183 | Partially coherent x-ray diffractive imaging of complex objects. <i>Physical Review A</i> , <b>2014</b> , 89,  | 2.6  | 8  |
| 182 | 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 |
| 181 | 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 |
| 180 | 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 |
| 179 | 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 |
| 178 | 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  |
| 177 | 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 |
| 176 | Momentum transfer resolved memory in a magnetic system with perpendicular anisotropy. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 122505  | 3.4  | 2  |
| 175 | Lensless X-ray imaging in reflection geometry. <i>Nature Photonics</i> , <b>2011</b> , 5, 243-245  | 33.9 | 63 |
| 174 | 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 |
| 173 | X-ray diffraction microscopy of magnetic structures. <i>Physical Review Letters</i> , <b>2011</b> , 107, 033904  | 7.4  | 39 |
| 172 | Emergent rotational symmetries in disordered magnetic domain patterns. <i>Physical Review Letters</i> , <b>2011</b> , 107, 257204  | 7.4  | 10 |
| 171 | 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 |
| 170 | Microscopic return point memory in Co/Pd multilayer films. <i>New Journal of Physics</i> , <b>2010</b> , 12, 035009  | 2.9  | 4  |
| 169 | The interaction of quasi-particles in graphene with chemical dopants. <i>New Journal of Physics</i> , <b>2010</b> , 12, 125014   | 2.9  | 9  |
| 168 | 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 |
| 167 | Records on floral biology and visitors of <i>Jacquemontia montana</i> (Moric.) Meisn. (Convolvulaceae) in Mucugí-Bahia. <i>Brazilian Journal of Biology</i> , <b>2010</b> , 70, 671-6                                    | 1.5  | 4  |

- 166 Current-voltage relation for a field ionizing He beam detector. *Journal of Applied Physics*, **2009**, 105, 044210 1
- 165 Rashba effect at the surfaces of rare-earth metals and their monoxides. *New Journal of Physics*, **2009**, 11, 013035 2.9 32
- 164 Quasiparticle transformation during a metal-insulator transition in graphene. *Physical Review Letters*, **2009**, 103, 056404 7.4 187
- 163 Surface states and spin density wave periodicity in Cr(110) films. *New Journal of Physics*, **2008**, 10, 023003 2.9 21
- 162 Orbital domain dynamics in a doped manganite. *New Journal of Physics*, **2008**, 10, 053023 2.9 24
- 161 Magnetic memory in ferromagnetic thin films via exchange coupling. *Physical Review B*, **2008**, 78, 020401 3.3 14
- 160 Domain mapping of a Ca-doped manganite. *Applied Physics Letters*, **2008**, 92, 131907 3.4 1
- 159 Probing complex materials with coherent soft X-rays. *Applied Physics A: Materials Science and Processing*, **2008**, 92, 431-437 2.6 15
- 158 Disorder-induced magnetic memory: Experiments and theories. *Physical Review B*, **2007**, 75, 020401 3.3 59
- 157 Fermi surface and quantum well states of V(110) films on W(110). *Journal of Physics Condensed Matter*, **2007**, 19, 355005 1.8 3
- 156 Controlling the magnetic ground state in Cr<sub>1-x</sub>V<sub>x</sub> films. *Physical Review Letters*, **2007**, 99, 147208 7.4 7
- 155 Brightness of micronozzle helium source. *Review of Scientific Instruments*, **2006**, 77, 055107 1.7 19
- 154 Speckle patterns with atomic and molecular de Broglie waves. *Physical Review Letters*, **2006**, 97, 013202 7.4 16
- 153 Long-period surface structure stabilized by Fermi surface nesting: Cu(001)( $\sqrt{2} \times \sqrt{2}$ )R26.6°Th. *Physical Review B*, **2006**, 73, 041401 3.3 4
- 152 Electronic interactions and phase transitions at surfaces and in low dimensions. *Applied Physics A: Materials Science and Processing*, **2005**, 80, 965-970 2.6 2
- 151 Electron states and the spin density wave phase diagram in Cr(1 1 0) films. *New Journal of Physics*, **2005**, 7, 114-114 2.9 38
- 150 Disorder-induced microscopic magnetic memory. *Physical Review Letters*, **2005**, 94, 017202 7.4 91
- 149 Mechanism of gap opening in a triple-band Peierls system: in atomic wires on Si. *Physical Review Letters*, **2004**, 93, 106401 7.4 117

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|-----|---|---------|
| 148 | The Effect of Oil Spraying on Eggs of Double-Crested Cormorants. <i>The Environmentalist</i> , <b>2004</b> , 24, 119-124  | 10      |
| 147 | Enhanced electron-phonon coupling at metal surfaces. <i>Progress in Surface Science</i> , <b>2003</b> , 74, 251-268   | 6.6 57  |
| 146 | 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  |
| 145 | Quasistatic x-ray speckle metrology of microscopic magnetic return-point memory. <i>Physical Review Letters</i> , <b>2003</b> , 90, 175502  | 7.4 72  |
| 144 | Dual nature of a charge-density-wave transition on In/Cu(001). <i>Physical Review B</i> , <b>2003</b> , 67,   | 3.3 20  |
| 143 | Random registry shifts in quasi-one-dimensional adsorbate systems. <i>Physical Review B</i> , <b>2003</b> , 67,   | 3.3 25  |
| 142 | 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  |
| 141 | Electronic precursor states of the charge density wave in NbSe <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>2002</b> , 312-313, 650-652                                       | 2.8     |
| 140 | Electron-phonon coupling in W(110)-(1 $\times$ 1)H. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2002</b> , 126, 125-132  | 1.7 20  |
| 139 | Spin-resolved photoemission of surface states of W(110)-(1 $\times$ 1)H. <i>Physical Review Letters</i> , <b>2002</b> , 89, 216802  | 7.4 131 |
| 138 | Differential photoelectron holography: a new approach for three-dimensional atomic imaging. <i>Physical Review Letters</i> , <b>2002</b> , 88, 055504                                   | 7.4 55  |
| 137 | PEIERLS FLUCTUATIONS IN THE ELECTRON SYSTEM OF A QUASI-ONE-DIMENSIONAL SOLID. <i>Surface Review and Letters</i> , <b>2002</b> , 09, 1029-1033   | 1.1     |
| 136 | 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   |
| 135 | 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  |
| 134 | Coherent soft X-ray magnetic scattering. <i>Synchrotron Radiation News</i> , <b>2001</b> , 14, 11-19  | 0.6 17  |
| 133 | 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   |
| 132 | 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  |
| 131 | In/Si(111): Self-Assembled One and Two-Dimensional Electron Gases. <i>Materials Research Society Symposia Proceedings</i> , <b>2000</b> , 648, 1  |         |

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|-----|---|------|-----|
| 130 | 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  |
| 129 | Coupling between adsorbate vibrations and an electronic surface state. <i>Physical Review Letters</i> , <b>2000</b> , 84, 2925-8  | 7.4  | 69  |
| 128 | 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   |
| 127 | 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   |
| 126 | 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 |
| 125 | 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  |
| 124 | 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 |
| 123 | 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  |
| 122 | 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  |
| 121 | Interactions between adsorbed molecules. <i>Journal of Molecular Catalysis A</i> , <b>1998</b> , 131, 19-30   |      | 17  |
| 120 | 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  |
| 119 | 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  |
| 118 | Networked Physics Curriculum: From Static Web to Dynamic Java. <i>International Journal of Modern Physics C</i> , <b>1997</b> , 08, 79-95   | 1.1  | 1   |
| 117 | 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   |
| 116 | The effect of layer thickness and composition on the kinetics of solid state reactions in the niobium-selenium system studied using superlattice reactants. <i>Journal of Alloys and Compounds</i> , <b>1997</b> , 248, 59-65 | 5.7  | 1   |
| 115 | Interactions between adsorbed molecules: CO on Ni(111). <i>Surface Science</i> , <b>1997</b> , 370, 64-70   | 1.8  | 15  |
| 114 | Desorption and molecular interactions on surfaces: , and. <i>Surface Science</i> , <b>1997</b> , 381, 49-64   | 1.8  | 53  |
| 113 | Molecular interactions and cooperativity in coadsorption: CO + NoPt(111). <i>Surface Science</i> , <b>1996</b> , 355, L319-L324   | 1.8  | 7   |

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|-----|---|-----|----|
| 112 | 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  |
| 111 | Complete k-Space Visualization of X-Ray Photoelectron Diffraction. <i>Materials Research Society Symposia Proceedings</i> , <b>1996</b> , 437, 3  |     |    |
| 110 | Fermi Surface Mapping Using a Third Generation Light Source. <i>Materials Research Society Symposia Proceedings</i> , <b>1996</b> , 437, 47   |     | 1  |
| 109 | Scanning Transmission X-Ray Microscopy Study of TiSe <sub>2</sub> /NbSe <sub>2</sub> Superlattices. <i>Materials Research Society Symposia Proceedings</i> , <b>1996</b> , 441, 603   |     |    |
| 108 | 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 |
| 107 | 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  |
| 106 | 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 |
| 105 | Alkali-metal chemisorption on Ta(110). <i>Physical Review B</i> , <b>1995</b> , 51, 1823-1829   | 3.3 | 13 |
| 104 | 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 |
| 103 | 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 |
| 102 | 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  |
| 101 | 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  |
| 100 | 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  |
| 99  | Non-monotonic lateral interactions in CO/Pt(111). <i>Surface Science</i> , <b>1994</b> , 320, 77-84   | 1.8 | 28 |
| 98  | Fermi contours and surface dynamical phenomena. <i>Surface Science</i> , <b>1994</b> , 307-309, 832-842   | 1.8 | 12 |
| 97  | Surface Core-Level Photoelectron Diffraction of Surface Reconstructions. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 375, 145  |     |    |
| 96  | Threshold Phenomena in Nonlinear Currents upon Metallization of Si(001). <i>Europhysics Letters</i> , <b>1993</b> , 22, 377-382   | 1.6 | 18 |
| 95  | 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 |



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|----|--|-----|-----|
| 94 | 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  |
| 93 | 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   |
| 92 | Determination of atomic density profiles in synthetic multilayers by anomalous x-ray diffraction. <i>Applied Physics Letters</i> , <b>1993</b> , 62, 1771-1773   | 3.4 | 1   |
| 91 | 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   |
| 90 | The use of superlattices to probe and control reactions at buried interfaces. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1993</b> , 162, 115-122           | 5.3 |     |
| 89 | 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  |
| 88 | 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   |
| 87 | A normal incidence vacuum ultraviolet emission spectrometer. <i>Review of Scientific Instruments</i> , <b>1992</b> , 63, 1896-1901   | 1.7 | 1   |
| 86 | Distinguishing Between Coherent Interdiffusion and Incoherent Roughness in Synthetic Multilayers Using X-Ray Diffraction. <i>Materials Research Society Symposia Proceedings</i> , <b>1992</b> , 280, 241                          |     | 1   |
| 85 | 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 |
| 84 | 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   |
| 83 | Coverage-dependent desorption measurements for CO/Ag(011). <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 8592-8598  | 3.9 | 12  |
| 82 | 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   |
| 81 | 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  |
| 80 | 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  |
| 79 | 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  |
| 78 | Surface localized states and the Fermi contour of Pd(001). <i>Physical Review B</i> , <b>1991</b> , 43, 3893-3896  | 3.3 | 15  |
| 77 | Surface Fermi contours and phonon anomalies on Pt(111). <i>Physical Review B</i> , <b>1991</b> , 43, 12062-12065   | 3.3 | 15  |



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|----|--|-----|----|
| 76 | 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  |
| 75 | 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 |
| 74 | 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 |
| 73 | 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 |
| 72 | Photoemission study of the surface electronic structure of W(001). <i>Physical Review B</i> , <b>1991</b> , 44, 10826-10834  | 3.4 | 24 |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | 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  |
| 67 | 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  |
| 66 | Anomalous broadening of angle-resolved photoemission linewidths on W(011). <i>Physical Review B</i> , <b>1990</b> , 41, 8516-8518  | 3.3 | 14 |
| 65 | 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 |
| 64 | 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 |
| 63 | Surface-state-surface-resonance transition on Ta(011). <i>Physical Review Letters</i> , <b>1990</b> , 64, 3151-3154  | 7.4 | 26 |
| 62 | Surface Fermi Surfaces. <i>Physica Scripta</i> , <b>1990</b> , T31, 32-34  | 2.6 | 14 |
| 61 | Reconstruction and Fermi surface of W(001). <i>Physical Review B</i> , <b>1990</b> , 42, 5385-5387   | 3.3 | 50 |
| 60 | Coverage dependent desorption measurements of. <i>Surface Science</i> , <b>1990</b> , 235, L285-L290   | 1.8 | 17 |
| 59 | Experimental Fermi surface of Mo(011). <i>Physical Review B</i> , <b>1989</b> , 39, 2973-2981  | 3.3 | 67 |

|    |   |     |     |
|----|---|-----|-----|
| 58 | Experimental Fermi surfaces of clean and hydrogen-covered W(110). <i>Physical Review Letters</i> , <b>1989</b> , 62, 2036-2039  | 7.4 | 78  |
| 57 | 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  |
| 56 | 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  |
| 55 | 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  |
| 54 | 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   |
| 53 | Relativistic effects on the surface electronic structure of Mo(011). <i>Physical Review B</i> , <b>1988</b> , 38, 10302-10312   | 3.3 | 32  |
| 52 | 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 |     |
| 51 | Electronic contributions to the hydrogen-induced reconstruction of W(110). <i>Physical Review B</i> , <b>1988</b> , 37, 8491-8494   | 3.3 | 17  |
| 50 | 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 |
| 49 | Spin-orbit-interaction-induced surface resonance on W(011). <i>Physical Review B</i> , <b>1987</b> , 36, 9337-9340  | 3.3 | 63  |
| 48 | 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 |     |
| 47 | 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  |
| 46 | 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   |
| 45 | 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 |     |
| 44 | 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   | 3.9 | 58  |
| 43 | Anomalous surface-state penetration near a band edge. <i>Physical Review Letters</i> , <b>1986</b> , 57, 2975-2978  | 7.4 | 27  |
| 42 | Direct measure of surface impurity scattering by angle-resolved photoemission. <i>Physical Review B</i> , <b>1986</b> , 33, 4364-4366   | 3.3 | 51  |
| 41 | The electronic structure of graphitic overlayers on Ni{100}. <i>Surface Science</i> , <b>1986</b> , 171, L447-L453  | 1.8 | 32  |

|    |  |      |     |
|----|--|------|-----|
| 40 | Effective-mass theory of simple surface states. <i>Physical Review B</i> , <b>1986</b> , 34, 6713-6718   | 3.3  | 21  |
| 39 | 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  |
| 38 | 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  |
| 37 | Time-resolved electron energy loss spectroscopy. <i>Science</i> , <b>1985</b> , 230, 256-61  | 33.3 | 31  |
| 36 | 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   |
| 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 | 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  |
| 33 | Surface states on low-Miller-index copper surfaces. <i>Physical Review B</i> , <b>1985</b> , 31, 3348-3355   | 3.3  | 95  |
| 32 | Experimental band structure of ordered Cu overlayers on Ag(001). <i>Physical Review B</i> , <b>1985</b> , 32, 5038-5043  | 3.3  | 8   |
| 31 | Electronic coherence length following pulsed-laser annealing of Cu(001). <i>Physical Review B</i> , <b>1985</b> , 31, 3343-3347  | 3.3  | 3   |
| 30 | Surface states and reconstruction on Ge(001). <i>Physical Review B</i> , <b>1985</b> , 32, 2344-2350   | 3.3  | 168 |
| 29 | 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  |
| 28 | 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  |
| 27 | 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   |
| 26 | 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 |
| 25 | 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  |
| 24 | Metal-Insulator Transition on the Ge(001) Surface. <i>Physical Review Letters</i> , <b>1984</b> , 53, 702-705  | 7.4  | 107 |
| 23 | 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  |

|    |   |     |     |
|----|---|-----|-----|
| 22 | 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 |
| 21 | Observation of a new surface state on Cu(001). <i>Physical Review B</i> , <b>1983</b> , 28, 2268-2270   | 3.3 | 83  |
| 20 | 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  |
| 19 | Nonlifetime effects in photoemission linewidths. <i>Physical Review B</i> , <b>1983</b> , 28, 4267-4271   | 3.3 | 90  |
| 18 | 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  |
| 17 | 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  |
| 16 | Off-normal photoelectron diffraction study of the c(2×2) selenium overlayer on Ni(001). <i>Physical Review B</i> , <b>1982</b> , 26, 3181-3186  | 3.3 | 24  |
| 15 | 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  |
| 14 | Normal photoelectron diffraction of c(2×2)O(1s)/Ni(001) and c(2×2)S(2p)/Ni(001), with Fourier-transform analysis. <i>Physical Review B</i> , <b>1981</b> , 23, 3828-3835                                | 3.3 | 95  |
| 13 | Structural Determination of Molecular Overlayer Systems with Normal Photoelectron Diffraction: c(2×2) CO-Ni(001) and (3×3)R30° CO-Ni(111). <i>Physical Review Letters</i> , <b>1981</b> , 46, 1629-1632 | 7.4 | 79  |
| 12 | 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   |
| 11 | Condensed phase photoelectron asymmetry. <i>Chemical Physics Letters</i> , <b>1980</b> , 71, 448-451  | 2.5 | 30  |
| 10 | Angle-resolved photoemission determination of d-line valence bands in Pt and Au using synchrotron radiation. <i>Physical Review B</i> , <b>1980</b> , 22, 581-592                                       | 3.3 | 81  |
| 9  | 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 |
| 8  | 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  |
| 7  | Normal emission photoelectron diffraction studies at Stanford Synchrotron Radiation Laboratory. <i>Applied Optics</i> , <b>1980</b> , 19, 3974-7  | 1.7 | 3   |
| 6  | Valence-band structure of silver along Γ from angle-resolved photoemission. <i>Physical Review B</i> , <b>1979</b> , 19, 6164-6171  | 3.3 | 87  |
| 5  | 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  |

|   |  |     |     |
|---|--|-----|-----|
| 4 | 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  |
| 3 | Adsorbate sensitivity enhancement in photoemission: CO on Pd. <i>Chemical Physics Letters</i> , <b>1978</b> , 57, 334-337  | 23  |     |
| 2 | Identification of Chemisorption Levels on Iridium by Field-Emission Spectroscopy. <i>Physical Review Letters</i> , <b>1978</b> , 41, 323-326   | 7.4 | 32  |
| 1 | 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 |