

Nicholas B Brookes

List of Publications by Year in descending order

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368
papers

13,844
citations

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100
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370
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370
docs citations

370
times ranked

11383
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Long-Range Incommensurate Charge Fluctuations in $(Y,Nd)Ba_{2-x}Cu_{3-y}O_{6+z}$. Science, 2012, 337, 821-825. | 6.0 | 938 |
| 2 | Spin State Transition in $LaCoO_3$ Studied Using Soft X-ray Absorption Spectroscopy and Magnetic Circular Dichroism. Physical Review Letters, 2006, 97, 176405. | 2.9 | 471 |
| 3 | Orbital Reconstruction and the Two-Dimensional Electron Gas at the $LaAlO_3/SrTiO_3$ Interface. Physical Review Letters, 2009, 102, 166804. | 2.9 | 274 |
| 4 | Transfer of Spectral Weight and Symmetry across the Metal-Insulator Transition in VO_2 . Physical Review Letters, 2006, 97, 116402. | 2.9 | 271 |
| 5 | Evidence of Orbital Reconstruction at Interfaces in Ultrathin $La_{0.67}Sr_{0.33}TiO_3$. Physical Review Letters, 2008, 100, 137401. | 2.9 | 263 |
| 6 | Quantum-well and tight-binding analyses of spin-polarized photoemission from $Ag/Fe(001)$ overlayers. Physical Review B, 1994, 49, 332-338. | 1.1 | 230 |
| 7 | Magnetic Excitations and Phase Separation in the Underdoped $La_{2-x}CuO_4$ Measured by Resonant Inelastic X-Ray Scattering. Physical Review Letters, 2010, 104, 077002. | 2.9 | 226 |
| 8 | Persistence of magnetic excitations in $La_{2-x}Sr_xCuO_4$ from the undoped insulator to the heavily overdoped non-superconducting metal. Nature Materials, 2013, 12, 1019-1023. | 13.3 | 218 |
| 9 | Exchange Splitting and Charge Carrier Spin Polarization in EuO . Physical Review Letters, 2002, 88, 047201. | 2.9 | 206 |
| 10 | Spin-Orbit Coupling in the Mott Insulator Ca_2RuO_4 . Physical Review Letters, 2001, 87, 077202. | 2.9 | 171 |
| 11 | Origin of Interface Magnetism in $BiMnO_3/LaAlO_3$. Physical Review Letters, 2013, 111, 087204. | 2.9 | 166 |
| 12 | Layer-Resolved Magnetic Moments in Ni/Pt Multilayers. Physical Review Letters, 2000, 85, 413-416. | 2.9 | 164 |
| 13 | Dispersion of Magnetic Excitations in the Cuprate La_2CuO_4 . Physical Review Letters, 2009, 102, 167401. | 2.9 | 158 |
| 14 | Spin and orbital Ti magnetism at $LaMnO_3/SrTiO_3$ interfaces. Nature Communications, 2010, 1, 82. | 5.8 | 156 |
| 15 | In-Plane Magnetic Anisotropy of Fe Atoms on Bi_2Te_3 . Physical Review Letters, 2014, 112, 177201. | 2.9 | 144 |
| 16 | Energy and symmetry of dd excitations in undoped layered cuprates measured by resonant inelastic x-ray scattering. New Journal of Physics, 2011, 13, 043026. | 1.2 | 130 |
| 17 | Doubling of the orbital magnetic moment in nanoscale Fe clusters. Physical Review B, 1999, 60, 472-476. | 1.1 | 128 |
| 18 | Dynamical charge density fluctuations pervading the phase diagram of a Cu-based high- T_c superconductor. Science, 2019, 365, 906-910. | 6.0 | 125 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Covalency in the uranyl ion: A polarized x-ray spectroscopic study. <i>Journal of Chemical Physics</i> , 2002, 117, 8008-8020. | 1.2 | 121 |
| 20 | Direct observation of a highly spin-polarized organic spinterface at room temperature. <i>Scientific Reports</i> , 2013, 3, 1272. | 1.6 | 118 |
| 21 | Ising Magnetism and Ferroelectricity in $\text{Ca}_3\text{CoMnO}_6$. <i>Physical Review Letters</i> , 2009, 102, 026404. | 2.9 | 117 |
| 22 | Strain induced x-ray absorption linear dichroism in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films. <i>Physical Review B</i> , 2006, 73, . | 1.1 | 116 |
| 23 | Magnetic interface states and finite-size effects. <i>Physical Review Letters</i> , 1991, 67, 354-357. | 2.9 | 114 |
| 24 | Low Energy Electronic Excitations in the Layered Cuprates Studied by Copper L ₃ Resonant Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2004, 92, 117406. | 2.9 | 111 |
| 25 | Valence, spin, and orbital state of Co ions in one-dimensional $\text{Ca}_3\text{Co}_2\text{O}_6$: An x-ray absorption and magnetic circular dichroism study. <i>Physical Review B</i> , 2006, 74, . | 1.1 | 103 |
| 26 | Dispersive charge density wave excitations in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8+\delta$. <i>Nature Physics</i> , 2017, 13, 952-956. | 6.5 | 101 |
| 27 | Magnetocrystalline anisotropy in (111) CoPt_3 thin films probed by x-ray magnetic circular dichroism. <i>Physical Review B</i> , 1998, 58, 6298-6304. | 1.1 | 100 |
| 28 | Three-dimensional collective charge excitations in electron-doped copper oxide superconductors. <i>Nature</i> , 2018, 563, 374-378. | 13.7 | 100 |
| 29 | Instrumentation development for ESRF beamlines. <i>Physica B: Condensed Matter</i> , 1995, 208-209, 199-202. | 1.3 | 96 |
| 30 | Re-entrant charge order in overdoped $(\text{Bi,Pb})_{2.12}\text{Sr}_{1.88}\text{CuO}_6+\delta$ outside the pseudogap regime. <i>Nature Materials</i> , 2018, 17, 697-702. | 13.3 | 93 |
| 31 | Unraveling Orbital Ordering in $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$. <i>Physical Review Letters</i> , 2004, 92, 056403. | 2.9 | 90 |
| 32 | Influence of apical oxygen on the extent of in-plane exchange interaction in cuprate superconductors. <i>Nature Physics</i> , 2017, 13, 1201-1206. | 6.5 | 90 |
| 33 | Characterization of Nanocrystalline $\gamma\text{-Fe}_2\text{O}_3$ with Synchrotron Radiation Techniques. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 215, 797-801. | 0.7 | 89 |
| 34 | Photoemission and x-ray-absorption study of misfit-layered (Bi,Pb)-Sr-Co-O compounds: Electronic structure of a hole-doped Co-O triangular lattice. <i>Physical Review B</i> , 2001, 64, . | 1.1 | 86 |
| 35 | X-ray absorption and x-ray magnetic dichroism study on $\text{Ca}_3\text{Co}_2\text{O}_6$ $\text{Ca}_3\text{Co}_2\text{O}_6$ <i>Physical Review B</i> , 2008, 77, . | 1.1 | 86 |
| 36 | Electron-correlation-induced magnetic order of ultrathin Mn films. <i>Physical Review B</i> , 1997, 56, 8156-8162. | 1.1 | 83 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Electronic and Magnetic Reconstructions in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ at the $\text{LaAlO}_3/\text{SrTiO}_3$ Interface. Physical Review Letters, 2011, 106, 117205. | 2.9 | 81 |
| 38 | Spin-Resolved Photoemission on Anti-Ferromagnets: Direct Observation of Zhang-Rice Singlets in CuO . Physical Review Letters, 1997, 78, 1126-1129. | 2.9 | 82 |
| 39 | Collective Nature of Spin Excitations in Superconducting Cuprates Probed by Resonant Inelastic X-Ray Scattering. Physical Review Letters, 2015, 114, 217003. | 2.9 | 81 |
| 40 | The beamline ID32 at the ESRF for soft X-ray high energy resolution resonant inelastic X-ray scattering and polarisation dependent X-ray absorption spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 903, 175-192. | 0.7 | 81 |
| 41 | Strain-induced phase separation in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films. Physical Review B, 2006, 74, . | 1.1 | 80 |
| 42 | Orbital occupation, atomic moments, and magnetic ordering at interfaces of manganite thin films. Physical Review B, 2009, 80, . | 1.1 | 79 |
| 43 | Interaction of H_2O with a high-temperature superconductor. Physical Review B, 1988, 37, 3747-3750. | 1.1 | 78 |
| 44 | Experimental evidence of the ferrimagnetic ground state of $\text{Sr}_2\text{FeMoO}_6$ probed by X-ray magnetic circular dichroism. Europhysics Letters, 2002, 60, 608-614. | 0.7 | 77 |
| 45 | Element-Selective Nanosecond Magnetization Dynamics in Magnetic Heterostructures. Physical Review Letters, 2001, 86, 3646-3649. | 2.9 | 76 |
| 46 | Magnetic structure of oxidized $\text{Fe}(\text{OO})_1$. Physical Review Letters, 1990, 65, 1647-1650. | 2.9 | 75 |
| 47 | High-temperature charge density wave correlations in $\text{La}_{1.875}\text{Ba}_{0.125}\text{CuO}_4$ without spin-charge locking. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12430-12435. | 3.3 | 75 |
| 48 | Tuning the magnetic anisotropy of Co nanoparticles by metal capping. Europhysics Letters, 2006, 76, 142-148. | 0.7 | 74 |
| 49 | Structural and Electronic Reconstructions at the $\text{LaAlO}_3/\text{SrTiO}_3$ Interface. Advanced Materials, 2013, 25, 2333-2338. | 11.1 | 72 |
| 50 | Magnetism of small Fe clusters on $\text{Au}(111)$ studied by x-ray magnetic circular dichroism. Physical Review B, 2001, 64, . | 1.1 | 71 |
| 51 | Perpendicular Interlayer Coupling in $\text{Ni}_{80}\text{Fe}_{20}/\text{NiO}/\text{Co}$ Trilayers. Physical Review Letters, 2003, 91, 027201. | 2.9 | 70 |
| 52 | Exchange-Split Adsorbate Bands: The Role of Substrate Hybridization. Physical Review Letters, 1988, 61, 2257-2260. | 2.9 | 69 |
| 53 | Exploring the XPS limit in soft and hard x-ray angle-resolved photoemission using a temperature-dependent one-step theory. Physical Review B, 2013, 88, . | 1.1 | 68 |
| 54 | Spin and orbital configuration of metal phthalocyanine chains assembled on the $\text{Au}(110)$ surface. Physical Review B, 2013, 87, . | 1.1 | 67 |

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|----|--|-----|-----------|
| 55 | Structural, electronic, and magnetic properties of Co doped SnO ₂ nanoparticles. Journal of Applied Physics, 2010, 107, . | 1.1 | 66 |
| 56 | Correlation between ground state and orbital anisotropy in heavy fermion materials. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2384-2388. | 3.3 | 65 |
| 57 | Determination of the Orbital Moment and Crystal-Field Splitting in LaTiO ₃ . Physical Review Letters, 2005, 94, 056401. | 2.9 | 64 |
| 58 | Resonant inelastic x-ray scattering of MnO: L _{2,3} edge measurements and assessment of their interpretation. Physical Review B, 2006, 73, . | 1.1 | 64 |
| 59 | Spin-polarized photoemission studies of the adsorption of O and S on Fe(001). Physical Review B, 1990, 41, 9659-9667. | 1.1 | 63 |
| 60 | Antiferromagnetic coupling of Mn adsorbates to Fe(100). Physical Review B, 1997, 56, 5461-5467. | 1.1 | 63 |
| 61 | NiO as a test case for high resolution resonant inelastic soft x-ray scattering. Journal of Physics Condensed Matter, 2005, 17, 5397-5412. | 0.7 | 63 |
| 62 | Evolution of magnetic phases and orbital occupation in $\text{CaMn}_2\text{P}_2\text{O}_{14}$. Physical Review B, 2006, 73, 040401. | | |

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|----|--|-----|-----------|
| 73 | Direct observation of charge order in underdoped and optimally doped Bi_2CuO_6 . <i>Physical Review B</i> , 2016, 94, . | 1.1 | 51 |
| 74 | Size dependence of the magnetic moments of exposed nanoscale iron particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 231, 113-119. | 1.0 | 50 |
| 75 | Induced V and reduced Fe moments at the interface of Fe/V(001) superlattices. <i>Physical Review B</i> , 2001, 64, . | 1.1 | 50 |
| 76 | Bimagnon studies in cuprates with resonant inelastic x-ray scattering at the O_K edge. I. Assessment on La_2CuO_4 . <i>Physical Review B</i> , 2019, 100, . | 1.1 | 50 |
| 77 | Spin Polarized Auger Electrons: The $\text{XeM}_{4,5}\text{N}_{4,5}$ Case. <i>Physical Review Letters</i> , 1996, 76, 3923-3926. | 2.9 | 49 |
| 78 | Local Electronic and Magnetic Structure of Ni below and above T_C : A Spin-Resolved Circularly Polarized Resonant Photoemission Study. <i>Physical Review Letters</i> , 1997, 79, 3510-3513. | 2.9 | 49 |
| 79 | Magnetic anisotropy energy and the anisotropy of the orbital moment of Ni in Ni/Pt multilayers. <i>Physical Review B</i> , 2000, 61, 8647-8650. | 1.1 | 49 |
| 80 | Spin-orbit coupling and crystal-field distortions for a low-spin d^3 state in BaCoO_3 . <i>Physical Review B</i> , 2019, 100, . | 1.1 | 49 |
| 81 | Electronic and magnetic structure of thin Ni films on Co/Cu(001). <i>Physical Review B</i> , 1999, 60, 12852-12860. | 1.1 | 48 |
| 82 | Magnetism of nanostructures studied by x-ray magnetic circular dichroism: d^9 Fe on Cu(111). <i>Physical Review B</i> , 2000, 62, 5803-5809. | 1.1 | 48 |
| 83 | Incoherent magnetization rotation observed in subnanosecond time-resolving x-ray photoemission electron microscopy. <i>Applied Physics Letters</i> , 2004, 85, 2562-2564. | 1.5 | 48 |
| 84 | Spin-state order/disorder and metal-insulator transition in $\text{GdBaCo}_2\text{O}_{5.5}$: experimental determination of the underlying electronic structure. <i>New Journal of Physics</i> , 2012, 14, 123025. | 1.2 | 48 |
| 85 | Magnetic surface states on Fe(001). <i>Physical Review B</i> , 1990, 41, 2643-2645. | 1.1 | 46 |
| 86 | Magnetism of the Fe/ZnSe(001) Interface. <i>Physical Review Letters</i> , 2002, 88, 217202. | 2.9 | 46 |
| 87 | Direct Quantification of Gold along a Single Si Nanowire. <i>Nano Letters</i> , 2008, 8, 3709-3714. | 4.5 | 46 |
| 88 | Direct observation of oxygen induced room temperature ferromagnetism in MoO_2 thin films by x-ray magnetic circular dichroism characterizations. <i>Applied Physics Letters</i> , 2009, 94, . | 1.5 | 46 |
| 89 | CuCoO | | |

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| 91 | Modifications in structural and electronic properties of TiO ₂ thin films using swift heavy ion irradiation. Journal of Applied Physics, 2011, 110, . | 1.1 | 44 |
| 92 | Relativistic effects on the surface electronic structure of Cu(001): Observation of a spin-orbit-gap surface state. Physical Review B, 1986, 33, 4373-4375. | 1.1 | 43 |
| 93 | High-efficiency spin-resolved and spin-integrated electron detection: Parallel mounting on a hemispherical analyzer. Review of Scientific Instruments, 1999, 70, 4225-4230. | 0.6 | 43 |
| 94 | $\hat{L} \pm \hat{S}$ transition in metallic Ce studied by resonant x-ray spectroscopies. Physical Review B, 2004, 70, . | 1.1 | 43 |
| 95 | Local magnetism in rare-earth metals encapsulated in fullerenes. Physical Review B, 2004, 69, . | 1.1 | 43 |
| 96 | Multiple double-exchange mechanism by Mn^{2+} in manganite compounds. Physical Review B, 2010, 82, . | 1.1 | 43 |
| 97 | The simultaneous measurement of energy and linear polarization of the scattered radiation in resonant inelastic soft x-ray scattering. Review of Scientific Instruments, 2014, 85, 115104. | 0.6 | 43 |
| 98 | Dispersion, damping, and intensity of spin excitations in the monolayer Bi_2Te_3 . Physical Review B, 2018, 98, . | 1.1 | 43 |
| 99 | Magnetic Circular Dichroism in Resonant Raman Scattering in the Perpendicular Geometry at the Edge of 3d Transition Metal Systems. Physical Review Letters, 1999, 82, 1566-1569. | 2.9 | 42 |
| 100 | Systematics of electronic and magnetic properties in the transition metal doped Sb_2Te_3 quantum anomalous Hall platform. Physical Review B, 2018, 97, . | 1.1 | 42 |
| 101 | $2p_3s_3p, 2p_3p_3p,$ and $2p_3s_3s$ resonant Auger spectroscopy from NiO. Physical Review B, 1999, 59, 9933-9942. | 1.1 | 41 |
| 102 | Angle Resolved Photoemission from $Nd_{1.85}Ce_{0.15}CuO_4$ using High Energy Photons: A Fermi Surface Investigation. Physical Review Letters, 2004, 93, 136402. | 2.9 | 41 |
| 103 | Energy-filtered XPEEM with NanoESCA using synchrotron and laboratory X-ray sources: Principles and first demonstrated results. Surface Science, 2007, 601, 4727-4732. | 0.8 | 41 |
| 104 | Field dependent exchange coupling in NiO/Co bilayers. Physical Review B, 2003, 67, . | 1.1 | 40 |
| 105 | Experimental Determination of Momentum-Resolved Electron-Phonon Coupling. Physical Review Letters, 2019, 123, 027001. | 2.9 | 39 |
| 106 | Detection of Zhang-Rice Singlets Using Spin-Polarized Photoemission. Physical Review Letters, 2001, 87, 237003. | 2.9 | 38 |
| 107 | Electronic and magnetic structure of bcc nickel. Physical Review B, 1992, 46, 237-241. | 1.1 | 37 |
| 108 | Characterization of the helical undulator HELIOS I in the 520 to 930 eV range using a multilayer polarimeter. Review of Scientific Instruments, 1997, 68, 1939-1944. | 0.6 | 37 |

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| 109 | Radiationless Raman versus Auger behavior at the CuL3resonance of CuO andCu2O. Physical Review B, 2000, 61, 4629-4635. | 1.1 | 37 |
| 110 | 3dspin-orbit photoemission spectrum of nonferromagnetic materials: The test cases of CoO and Cu. Physical Review B, 2002, 66, . | 1.1 | 37 |
| 111 | Orbital Field Dressing of the Cuprate CuO Planes NdBa_2Cu Spectroscopic evidence for exceptionally high orbital moment induced by local distortions in a superconductor. Physical Review Letters, 2008, 100, 056810. | 2.9 | 37 |
| 112 | \hat{L}_{\pm} CoV O Physical Review B, 2014, 89, . | 1.1 | 37 |
| 113 | A simple spherical grating by-pass monochromator dedicated to soft x-ray emission spectroscopy. Review of Scientific Instruments, 1998, 69, 1610-1615. | 0.6 | 36 |
| 114 | Room temperature ferromagnetism in Fe-doped CeO2 thin films grown on LaAlO3 (001). Thin Solid Films, 2010, 519, 410-413. | 0.8 | 36 |
| 115 | Orbital occupancies and the putative Ba state in BaIrO_2 Physical Review B, 2014, 89, . | 1.1 | 36 |
| 116 | Ferromagnetic Exchange Coupling between Fe Phthalocyanine and Ni(111) Surface Mediated by the Extended States of Graphene. Journal of Physical Chemistry C, 2014, 118, 17670-17676. | 1.5 | 36 |
| 117 | Soft x-ray angle-resolved photoemission spectroscopy on Ag(001): Band mapping, photon momentum effects, and circular dichroism. Physical Review B, 2008, 77, . | 1.1 | 35 |
| 118 | Polarization-resolved Cu $L_{2,3}$ -edge resonant inelastic x-ray scattering of orbital and spin excitations in $\text{NdBa}_2\text{CuO}_7$ Physical Review B, 2019, 99, . | 1.1 | 35 |
| 119 | Magnetism of cobalt nanoclusters on graphene on iridium. Applied Physics Letters, 2011, 99, . | 1.5 | 34 |
| 120 | X-ray magnetic circular dichroic magnetometry on Ni/Pt multilayers. Journal of Applied Physics, 2001, 89, 3874-3879. | 1.1 | 33 |
| 121 | Irradiation induced ferromagnetism at room temperature in TiO2 thin films: X-ray magnetic circular dichroism characterizations. Applied Physics Letters, 2011, 98, . | 1.5 | 33 |
| 122 | Coupling between dynamic magnetic and charge-order correlations in the cuprate superconductor Physical Review B, 2018, 98, . | 1.1 | 33 |
| 123 | Magnetism of exposed and Co-capped Fe nanoparticles. Journal of Magnetism and Magnetic Materials, 2000, 220, 25-30. | 1.0 | 32 |
| 124 | Orbital excitations in YTiO_3 and LaTiO_3 probed by resonant inelastic soft x-ray scattering. Physical Review B, 2008, 77, . | 1.1 | 32 |
| 125 | NEXAFS and XMCD studies of single-phase Co doped ZnO thin films. Journal of Physics Condensed Matter, 2009, 21, 185005. | 0.7 | 32 |
| 126 | Magnetic excitations in stripe-ordered $\text{La}_{1.875}\text{Ba}_{0.125}\text{CuO}_4$ studied using resonant inelastic x-ray scattering. Physical Review B, 2013, 88, . | 1.1 | 32 |

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| 127 | Magnetic bistability of a TbPc ₂ submonolayer on a graphene/SiC(0001) conductive electrode. <i>Nanoscale</i> , 2018, 10, 2715-2720. | 2.8 | 32 |
| 128 | Vanadyl phthalocyanines on graphene/SiC(0001): toward a hybrid architecture for molecular spin qubits. <i>Nanoscale Horizons</i> , 2019, 4, 1202-1210. | 4.1 | 32 |
| 129 | Clarification of contesting results for the total magnetic moment of Ni/Cu(001). <i>Physical Review B</i> , 2001, 65, . | 1.1 | 31 |
| 130 | Sum Rules in X-Ray Resonant Raman Scattering: Recovering the Co Ground State Information in CoFe ₂ O ₄ as a Test Case. <i>Physical Review Letters</i> , 2003, 90, 117401. | 2.9 | 31 |
| 131 | The high-field magnet endstation for X-ray magnetic dichroism experiments at ESRF soft X-ray beamline ID32. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 464-473. | 1.0 | 31 |
| 132 | Combining M - and L -edge resonant inelastic x-ray scattering for studies of d -transition Ubiquitous long-range antiferromagnetic coupling across the interface between superconducting and ferromagnetic oxides. <i>Nature Communications</i> , 2014, 5, 5626. | 1.1 | 30 |
| 133 | Spin-communication channels between Ln(III) bis-phthalocyanines molecular nanomagnets and a magnetic substrate. <i>Scientific Reports</i> , 2016, 6, 21740. | 5.8 | 30 |
| 134 | On the dominance of an indirect mechanism for photon stimulated ion desorption from SrTiO ₃ (100)-H ₂ O. <i>Surface Science</i> , 1986, 178, 897-906. | 1.6 | 30 |
| 135 | Interaction of carbon monoxide with Fe(001). <i>Physical Review Letters</i> , 1989, 63, 2764-2767. | 0.8 | 29 |
| 136 | Crossing the Gap from p- to n-Type Doping: Nature of the States near the Chemical Potential in La _{2-x} Sr _x CuO ₄ and Nd _{2-x} Ce _x CuO ₄ . <i>Physical Review Letters</i> , 2003, 90, 247005. | 2.9 | 29 |
| 137 | Swift heavy ion irradiation induced magnetism in magnetically frustrated BiMn films. <i>Physical Review B</i> , 2010, 82, . | 2.9 | 29 |
| 138 | Studied by oxygen absorption spectra of (SrMnO ₃) _n /ErO ₂ (0.784514) (get) (overlook 10 11 3) | 1.1 | 29 |
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|-----|---|-----|-----------|
| 145 | X-ray resonant magnetic scattering study of magnetic stripe domains in GdFet thin films. Physical Review B, 2006, 74, . | 1.1 | 27 |
| 146 | Hole redistribution across interfaces in superconducting cuprate superlattices. Physical Review B, 2008, 78, . | 1.1 | 27 |
| 147 | Dynamic Atomic Reconstruction: How FeO Films Evade Polar Catastrophe for Epitaxy. Physical Review X, 2016, 6, . | 2.7 | 27 |
| 148 | Magnetic circular dichroism in Tb^{3+} resonant photoemission. Physical Review B, 1999, 59, 8835-8843. Orbital occupation and magnetism of tetrahedrally coordinated iron in CaBaFe | 1.1 | 26 |
| 149 | FeO in CaBaFe FeO in CaBaFe | 1.1 | 26 |
| 150 | Relay-Like Exchange Mechanism through a Spin Radical between TbPc_2 Molecules and Graphene/ $\text{Ni}(111)$ Substrates. ACS Nano, 2016, 10, 9353-9360. | 7.3 | 26 |
| 151 | Site-Selective Probe of Magnetic Excitations in Rare-Earth Nickelates Using Resonant Inelastic X-ray Scattering. Physical Review X, 2018, 8, . | 2.8 | 26 |
| 152 | Charge Density Waves in $\text{YBa}_2\text{Cu}_3\text{O}_{6.67}$ Probed by Resonant X-Ray Scattering under Uniaxial Comp. Physical Review Letters, 2021, 126, 037002. | 2.6 | 26 |
| 153 | $\text{Ag}/\text{Fe}(001)$ interface. Physical Review B, 1994, 50, 15330-15336. | 1.1 | 25 |
| 154 | In-plane magnetocrystalline anisotropy observed on $\text{Fe}/\text{Cu}(111)$ nanostructures grown on stepped surfaces. Physical Review B, 2002, 66, . | 1.1 | 25 |
| 155 | Valence-band electronic structure of V_2O_6 Identification of V and O bands. Physical Review B, 2009, 80, . | 2.9 | 25 |
| 156 | Stability of the Zhang-Rice Singlet with Doping in Lanthanum Strontium Copper Oxide Across the Superconducting Dome and Above. Physical Review Letters, 2015, 115, 027002. | 2.9 | 25 |
| 157 | Graphene-Induced Magnetic Anisotropy of a Two-Dimensional Iron Phthalocyanine Network. Journal of Physical Chemistry Letters, 2015, 6, 1690-1695. | 2.1 | 25 |
| 158 | Probing magnetic coupling between LnPc_2 ($\text{Ln} = \text{Tb}, \text{Er}$) molecules and the graphene/ $\text{Ni}(111)$ substrate with and without Au-intercalation: role of the dipolar field. Nanoscale, 2018, 10, 277-283. | 2.8 | 25 |
| 159 | Bimagnon studies in cuprates with resonant inelastic x-ray scattering at the O edge. II. Doping effect in $\text{La}_2\text{a-xSrxCuO}_4$. Physical Review B, 2012, 85, . | 1.1 | 24 |
| 160 | Enhanced orbital magnetism at the nanostructured $\text{Co}/\text{Cu}(111)$ surface. Physical Review B, 1998, 58, R11853-R11856. | 1.1 | 23 |
| 161 | Single d -transition metal atoms on multi-layer graphene systems: electronic configurations, bonding mechanisms and role of the substrate. New Journal of Physics, 2014, 16, 062001. | 1.2 | 23 |
| 162 | Structural and magnetic properties of granular Co-Pt multilayers with perpendicular magnetic anisotropy. Physical Review B, 2014, 90, . | 1.1 | 23 |

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|-----|---|-----|-----------|
| 163 | Soft x-ray resonant magneto-optical constants at the GdM _{4,5} and FeL _{2,3} edges. Physical Review B, 2004, 70, . | 1.1 | 22 |
| 164 | Cooperative enhancement of in-plane orbital ordering by oxygen deficiency and in-plane tensile strain in La _{0.7} Sr _{0.3} MnO ₃ thin films. Europhysics Letters, 2007, 80, 37003. | 0.7 | 22 |
| 165 | Weak magnetism in insulating and superconducting cuprates. Physical Review B, 2010, 82, . | 1.1 | 22 |
| 166 | Identifying the character of ferromagnetic Mn in epitaxial Fe/(Ga,Mn)As heterostructures. Physical Review B, 2010, 81, . | 1.1 | 22 |
| 167 | Nanoscale modulation of the density of states at the conducting interface between LaAlO ₃ and SrTiO ₃ band insulators. Europhysics Letters, 2011, 93, 17004. | 0.7 | 22 |
| 168 | Similar temperature scale for valence changes in Kondo lattices with different Kondo temperatures. Nature Communications, 2018, 9, 2011. | 5.8 | 22 |
| 169 | H ₂ O dissociation by SrTiO ₃ (100) catalytic step sites. Vacuum, 1988, 38, 405-408. | 1.6 | 21 |
| 170 | Magnetism and electron redistribution effects at Ni/Co interfaces. Physical Review B, 2000, 61, 6866-6870. | 1.1 | 21 |
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