

# Robert Cubitt

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8032532/robert-cubitt-publications-by-year.pdf>

**Version:** 2024-04-28

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.

202  
papers

5,346  
citations

40  
h-index

64  
g-index

223  
ext. papers

5,787  
ext. citations

5  
avg, IF

5.1  
L-index

#	Paper	IF	Citations
202	Current-induced self-organisation of mixed superconducting states. <i>Superconductor Science and Technology</i> , <b>2022</b> , 35, 035003	3.1	0
201	Field-induced vortex-like textures as a probe of the critical line in reentrant spin glasses. <i>Scientific Reports</i> , <b>2021</b> , 11, 20753	4.9	0
200	PMMA-b-PNIPAM Thin Films Display Cononsolvency-Driven Response in Mixed Water/Methanol Vapors. <i>Macromolecules</i> , <b>2021</b> , 54, 3517-3530	5.5	8
199	Hydration and Thermal Response Kinetics of a Cross-Linked Thermoresponsive Copolymer Film on a Hydrophobic PAN Substrate Coating Probed by Neutron Reflectivity. <i>Langmuir</i> , <b>2021</b> , 37, 6819-6829	4	2
198	Solvation Behavior of Poly(sulfobetaine)-Based Diblock Copolymer Thin Films in Mixed Water/Methanol Vapors. <i>Macromolecules</i> , <b>2021</b> , 54, 7147-7159	5.5	2
197	Abnormal fast dehydration and rehydration of light- and thermo-dual-responsive copolymer films triggered by UV radiation. <i>Soft Matter</i> , <b>2021</b> , 17, 2603-2613	3.6	0
196	Graphite intercalation compound (GIC) crystal monochromators for cold neutron instruments: Characterization of KC by time-of-flight neutron diffraction. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 023306	1.7	
195	Impact of Thermal History on the Kinetic Response of Thermoresponsive Poly(diethylene glycol monomethyl ether methacrylate)-poly(poly(ethylene glycol)methyl ether methacrylate) Thin Films Investigated by In Situ Neutron Reflectivity. <i>Langmuir</i> , <b>2020</b> , 36, 6228-6237	4	5
194	Development of magnetism in the solid solution of Ce <sub>1-x</sub> Pr <sub>x</sub> AlGe: From magnetic topology to spin glass. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	5
193	In situ control of the helical and skyrmion phases in Cu <sub>2</sub> OSeO <sub>3</sub> using high-pressure helium gas up to 5 kbar. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	2
192	Topological Magnetic Phase in the Candidate Weyl Semimetal CeAlGe. <i>Physical Review Letters</i> , <b>2020</b> , 124, 017202	7.4	38
191	Position-dependent stability and lifetime of the skyrmion state in nickel-substituted Cu <sub>2</sub> OSeO <sub>3</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	2
190	Magnetic Guinier law. <i>IUCrJ</i> , <b>2020</b> , 7, 136-142	4.7	2
189	Thermoresponsive Diblock Copolymer Films with a Linear Shrinkage Behavior and Its Potential Application in Temperature Sensors. <i>Langmuir</i> , <b>2020</b> , 36, 742-753	4	11
188	Macroscopic manifestation of domain-wall magnetism and magnetoelectric effect in a Nbl-type skyrmion host. <i>Npj Quantum Materials</i> , <b>2020</b> , 5,	5	13
187	Metastable skyrmion lattices governed by magnetic disorder and anisotropy in Mn-type chiral magnets. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	11
186	Anisotropy-induced depinning in the Zn-substituted skyrmion host Cu <sub>2</sub> OSeO <sub>3</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	5

185	Hydration and Dehydration Kinetics: Comparison between Poly( N-isopropyl methacrylamide) and Poly(methoxy diethylene glycol acrylate) Films. <i>Langmuir</i> , <b>2019</b> , 35, 7691-7702	4	18
184	Metamagnetic texture in a polar antiferromagnet. <i>Nature Physics</i> , <b>2019</b> , 15, 671-677	16.2	15
183	Oriented 3D Magnetic Biskyrmions in MnNiGa Bulk Crystals. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900264	24	13
182	Rotation of the magnetic vortex lattice in Ru7B3 driven by the effects of broken time-reversal and inversion symmetry. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	2
181	Increased lifetime of metastable skyrmions by controlled doping. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	20
180	Multiple low-temperature skyrmionic states in a bulk chiral magnet. <i>Npj Quantum Materials</i> , <b>2019</b> , 4,	5	28
179	Measuring the formation energy barrier of skyrmions in zinc-substituted Cu2OSeO3. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	15
178	Unveiling the vortex glass phase in the surface and volume of a type-II superconductor. <i>Communications Physics</i> , <b>2019</b> , 2,	5.4	6
177	Surface structure inhibited lithiation of crystalline silicon probed with operando neutron reflectivity. <i>Energy Storage Materials</i> , <b>2019</b> , 18, 182-189	19.4	10
176	RAINBOWS: refractive analysis of the incoming neutron beam over the white spectrum. A new fast neutron reflectometry technique exploiting a focusing prism. <i>Journal of Applied Crystallography</i> , <b>2018</b> , 51, 257-263	3.8	7
175	Magnetic Field Control of Cycloidal Domains and Electric Polarization in Multiferroic BiFeO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2018</b> , 120, 147203	7.4	12
174	Direct evidence for cycloidal modulations in the thermal-fluctuation-stabilized spin spiral and skyrmion states of GaV4S8. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	17
173	Towards generalized data reduction on a chopper-based time-of-flight neutron reflectometer. <i>Journal of Applied Crystallography</i> , <b>2018</b> , 51, 606-615	3.8	24
172	Structure of surfactant and phospholipid monolayers at the air/water interface modeled from neutron reflectivity data. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 531, 98-108	9.3	37
171	Effect of chain architecture on the swelling and thermal response of star-shaped thermo-responsive (poly(methoxy diethylene glycol acrylate)-block-polystyrene) block copolymer films. <i>Soft Matter</i> , <b>2018</b> , 14, 6582-6594	3.6	21
170	Spin textures induced by quenched disorder in a reentrant spin glass: Vortices versus frustrated skyrmions. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	9
169	Recent upgrades of the neutron reflectometer D17 at ILL. <i>Journal of Applied Crystallography</i> , <b>2018</b> , 51, 249-256	3.8	44
168	In Operando Small-Angle Neutron Scattering Study of Single-Ion Copolymer Electrolyte for Li-Metal Batteries. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 1-6	20.1	18

167	Disordered skyrmion phase stabilized by magnetic frustration in a chiral magnet. <i>Science Advances</i> , <b>2018</b> , 4, eaar7043	14.3	48
166	Equilibrium Skyrmion Lattice Ground State in a Polar Easy-plane Magnet. <i>Scientific Reports</i> , <b>2017</b> , 7, 7584	4.9	60
165	Vacuum induced dehydration of swollen poly(methoxy diethylene glycol acrylate) and polystyrene-block-poly(methoxy diethylene glycol acrylate)-block-polystyrene films probed by in-situ neutron reflectivity. <i>Polymer</i> , <b>2017</b> , 124, 263-273	3.9	14
164	Lithiation of Crystalline Silicon As Analyzed by Operando Neutron Reflectivity. <i>ACS Nano</i> , <b>2016</b> , 10, 7458	16.7	63
163	The small-angle neutron scattering instrument D33 at the Institut Laue-Langevin. <i>Journal of Applied Crystallography</i> , <b>2016</b> , 49, 1-14	3.8	74
162	Influence of Hydrophobic Polystyrene Blocks on the Rehydration of Polystyrene-block-poly(methoxy diethylene glycol acrylate)-block-polystyrene Films Investigated by in Situ Neutron Reflectivity. <i>Macromolecules</i> , <b>2016</b> , 49, 317-326	5.5	25
161	Rehydration of Thermoresponsive Poly(monomethoxydiethylene glycol acrylate) Films Probed in Situ by Real-Time Neutron Reflectivity. <i>Macromolecules</i> , <b>2015</b> , 48, 3604-3612	5.5	20
160	Measurement of molecular mixing at a conjugated polymer interface by specular and off-specular neutron scattering. <i>Soft Matter</i> , <b>2015</b> , 11, 9393-403	3.6	6
159	Hydrogen accumulation as the origin of delamination at the a-carbon/SiO <sub>2</sub> interface. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 215302	2.5	1
158	D50, an innovative ILL prototype for a white beam neutron reflectometer. <i>Neutron News</i> , <b>2015</b> , 26, 27-27.4	7.4	1
157	An improved algorithm for reducing reflectometry data involving divergent beams or non-flat samples. <i>Journal of Applied Crystallography</i> , <b>2015</b> , 48, 2006-2011	3.8	29
156	Structure and Thermal Response of Thin Thermoresponsive Polystyrene-block-poly(methoxydiethylene glycol acrylate)-block-polystyrene Films. <i>Macromolecules</i> , <b>2013</b> , 46, 4069-4080	5.5	29
155	Alkoxysilane layers compatible with Cu deposition: Towards new diffusion barriers?. <i>Microelectronic Engineering</i> , <b>2012</b> , 92, 45-48	2.5	6
154	Switching kinetics of thin thermo-responsive hydrogel films of poly(monomethoxy-diethyleneglycol-acrylate) probed with in situ neutron reflectivity. <i>Soft Matter</i> , <b>2012</b> , 8, 5241	3.6	32
153	Phase Separation and Molecular Intermixing in Polymer-Fullerene Bulk Heterojunction Thin Films. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 683-8	6.4	65
152	The effect of gravity on the Debye-Scherrer ring in small-angle neutron scattering. <i>Journal of Applied Crystallography</i> , <b>2012</b> , 45, 124-126	3.8	4
151	A Note on Observation and Theoretical Description of the Neutron Whispering Gallery Effect. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 340, 012020	0.3	1
150	Gap in KFe <sub>2</sub> As <sub>2</sub> studied by small-angle neutron scattering observations of the magnetic vortex lattice. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	48

149	Countering the effects of gravity on a small angle neutron scattering instrument. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 665, 7-10	1.2	6
148	FIGARO: The new horizontal neutron reflectometer at the ILL. <i>European Physical Journal Plus</i> , <b>2011</b> , 126, 1	3.1	170
147	Neutron reflectometry by refractive encoding. <i>European Physical Journal Plus</i> , <b>2011</b> , 126, 1	3.1	16
146	In situ neutron reflectometry study of the near-surface solvent concentration profile during solution casting. <i>Soft Matter</i> , <b>2011</b> , 7, 6648	3.6	10
145	A neutron reflection study of surface enrichment in nematic liquid crystals. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 14784-94	3.6	3
144	Magnetic-field-induced nonlocal effects on the vortex interactions in twin-free YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	15
143	Neutron whispering gallery. <i>Nature Physics</i> , <b>2010</b> , 6, 114-117	16.2	47
142	Application of Diamond Nanoparticles in Low-Energy Neutron Physics. <i>Materials</i> , <b>2010</b> , 3, 1768-1781	3.5	26
141	The whispering gallery effect in neutron scattering. <i>New Journal of Physics</i> , <b>2010</b> , 12, 113050	2.9	15
140	Swelling and switching kinetics of gold coated end-capped poly(N-isopropylacrylamide) thin films. <i>Macromolecules</i> , <b>2010</b> , 43, 2444-2452	5.5	48
139	Alkoxysilane layers compatible with copper deposition for advanced semiconductor device applications. <i>Langmuir</i> , <b>2010</b> , 26, 8981-7	4	7
138	Structure and dynamics of phospholipid bilayer films under electrochemical control. <i>Faraday Discussions</i> , <b>2010</b> , 145, 357-379	3.6	22
137	Absence of vortex lattice melting in a high-purity Nb superconductor. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	9
136	Distribution of lattice constants in CePt <sub>3</sub> Si observed by Larmor diffraction and SANS. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 012165	0.3	1
135	Quasi-specular reflection of cold neutrons from nano-dispersed media at above-critical angles. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 622, 182-185	1.2	23
134	Structure and degeneracy of vortex lattice domains in pure superconducting niobium: A small-angle neutron scattering study. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	24
133	Investigation of vortex structures in a current-carrying Nb wire. <i>Superconductor Science and Technology</i> , <b>2009</b> , 22, 034014	3.1	6
132	Observation of the complete rupture of a buried polymer layer by off-specular neutron reflectometry. <i>Europhysics Letters</i> , <b>2009</b> , 86, 36005	1.6	8

131	Water Storage in Thin Films Maintaining the Total Film Thickness as Probed with in situ Neutron Reflectivity. <i>Macromolecular Rapid Communications</i> , <b>2009</b> , 30, 114-9	4.8	31
130	Metal chelation and spatial profiling of components in crown ether functionalised conducting copolymer films. <i>Electrochimica Acta</i> , <b>2009</b> , 55, 439-450	6.7	7
129	Methods of observation of the centrifugal quantum states of neutrons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2009</b> , 611, 322-325	1.2	8
128	Hydration behavior of casein micelles in thin film geometry: a GISANS study?. <i>Langmuir</i> , <b>2009</b> , 25, 4124-31		13
127	Interface-induced morphology transition in triblock copolymer films swollen with low-molecular-weight homopolymer. <i>Langmuir</i> , <b>2009</b> , 25, 4235-42	4	16
126	Use of neutron reflectivity to measure the dynamics of solvation and structural changes in polyvinylferrocene films during electrochemically controlled redox cycling. <i>Langmuir</i> , <b>2009</b> , 25, 4093-1034		27
125	Interaction of cationic lipid/DNA complexes with model membranes as determined by neutron reflectivity. <i>Langmuir</i> , <b>2009</b> , 25, 4181-9	4	19
124	Cyclic Switching of Water Storage in Thin Block Copolymer Films Containing Poly(N-isopropylacrylamide). <i>Macromolecules</i> , <b>2009</b> , 42, 9041-9051	5.5	51
123	Lateral structures of buried interfaces in ABA-type triblock copolymer films. <i>Langmuir</i> , <b>2008</b> , 24, 7639-44		38
122	Finite gap behaviour in the superconductivity of the infinite layer H-doped high-Tc superconductor Sr <sub>0.9</sub> La <sub>0.1</sub> CuO <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 104237	1.8	10
121	Uncovering flux line correlations in superconductors by reverse monte carlo refinement of neutron scattering data. <i>Physical Review Letters</i> , <b>2008</b> , 100, 107001	7.4	19
120	Study of solvent penetration inside a porous low k material by neutron reflectometry [Influence of material surface modifications and of solvent properties. <i>Microelectronic Engineering</i> , <b>2008</b> , 85, 2089-2093 <sup>5</sup>		4
119	Vortex lattice correlations in ultra-pure niobium extremely close to T <sub>c</sub> . <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 1062-1064	2.8	
118	Determining compositional profiles within conducting polymer films following reaction with vapor phase reagents. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 4043-53	3.4	6
117	Investigation of flux line lattices by SANS with unpolarized and polarized neutrons. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 397, 71-75	2.8	
116	Polarized Neutron Reflectivity Investigation of Periodic Magnetic Rings. <i>IEEE Transactions on Magnetism</i> , <b>2007</b> , 43, 2731-2733	2	7
115	In-situ neutron reflectometry probing competitive swelling and de-swelling of thin polystyrene films. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2007</b> , 1, R68-R70	2.5	12
114	Symmetry-breaking degenerate vortex lattice structures in pure niobium. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 460-462, 1224-1225	1.3	

113	Small-angle neutron scattering measurements of the vortex lattice in CaC6. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	11
112	Water penetration mechanisms in nuclear glasses by X-ray and neutron reflectometry. <i>Journal of Non-Crystalline Solids</i> , <b>2007</b> , 353, 2221-2230	3.9	52
111	Neutron scattering investigations of the Abrikosov state of high-temperature superconductors. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 385-386, 35-37	2.8	3
110	The <sup>3</sup> He polarizing filter on the neutron reflectometer D17. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 385-386, 1134-1137	2.8	21
109	Spontaneous symmetry-breaking vortex lattice transitions in pure niobium. <i>Physical Review Letters</i> , <b>2006</b> , 96, 167002	7.4	43
108	Measuring the penetration depth anisotropy in MgB2 using small-angle neutron scattering. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	15
107	Using small-angle neutron scattering to probe the local magnetic structure of perpendicular magnetic recording media. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08E707	2.5	15
106	Micromagnetic simulation of small-angle neutron scattering from magnetic recording media. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08G912	2.5	9
105	Smectic order induced at homeotropically aligned nematic surfaces: a neutron reflection study. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 234910	3.9	14
104	Interfacial Structure in Conjugated Polymers: Characterization and Control of the Interface between Poly(9,9-dioctylfluorene) and Poly(9,9-dioctylfluorene-alt-benzothiadiazole). <i>Macromolecules</i> , <b>2006</b> , 39, 6699-6707	5.5	17
103	Surface versus confinement induced morphology transition in triblock copolymer films: a grazing incidence small angle neutron scattering investigation. <i>Langmuir</i> , <b>2006</b> , 22, 9295-303	4	46
102	Fast swelling kinetics of thin polystyrene films. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 385-386, 703-705	2.8	16
101	Small-angle neutron scattering (SANS) studies of the vortex lattice in type II superconductors. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 385-386, 176-179	2.8	7
100	Refraction as a means of encoding wavelength for neutron reflectometry. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2006</b> , 558, 547-550	1.2	23
99	Penetration depth anisotropy in MgB2 single crystals and powders. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 493-496	3.9	3
98	Cholesterol induced suppression of large swelling of water layer in phosphocholine floating bilayers. <i>Langmuir</i> , <b>2005</b> , 21, 8703-10	4	17
97	Evaluating the influence of deposition conditions on solvation of reactive conducting polymers with neutron reflectivity. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 14335-43	3.4	14
96	Interaction of cationic lipid vesicles with model cell membranes--as determined by neutron reflectivity. <i>Langmuir</i> , <b>2005</b> , 21, 7912-20	4	23

95	The effects of long-ranged and short-ranged forces in confined near-critical polymeric liquids. <i>Europhysics Letters</i> , <b>2005</b> , 71, 763-769	1.6	11
94	Combined neutron scattering and muon-spin rotation investigations of the Abrikosov state of high-temperature superconductors <b>2005</b> , 5932, 374		
93	SANS Study of Coated Block Copolymer Micelles. <i>Macromolecular Chemistry and Physics</i> , <b>2005</b> , 206, 1206-1215	2.15	2
92	Temperature and field dependence of the flux-line-lattice symmetry in V3Si. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	20
91	Approaching criticality in polymer-polymer systems. <i>Physical Review E</i> , <b>2005</b> , 72, 031807	2.4	11
90	Lateral structure of a surfactant layer adsorbed at a hydrophilic solid/liquid interface. <i>Europhysics Letters</i> , <b>2004</b> , 67, 962-968	1.6	28
89	Square vortex lattice at anomalously low magnetic fields in electron-doped Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> . <i>Physical Review Letters</i> , <b>2004</b> , 93, 217001	7.4	20
88	Flux-line lattice distortion in PrOs <sub>4</sub> Sb <sub>12</sub> . <i>Physical Review Letters</i> , <b>2004</b> , 93, 187005	7.4	40
87	Grazing incidence small-angle neutron scattering: An advanced scattering technique for the investigation of nanostructured polymer films. <i>Physica B: Condensed Matter</i> , <b>2004</b> , 350, 207-210	2.8	23
86	Vortex lattice reorientation and anisotropy in MgB <sub>2</sub> : Effects of two-band superconductivity. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 404, 135-139	1.3	9
85	Adsorption from alkane+perfluoroalkane mixtures at fluorophobic and fluorophilic surfaces. II. Crossover from critical adsorption to complete wetting. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 9058-65	3.9	8
84	Dynamic in situ electrochemical neutron reflectivity measurements. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 15362-3	16.4	35
83	Nanostructured Diblock Copolymer Films: A Grazing Incidence Small-Angle Neutron Scattering Study. <i>Langmuir</i> , <b>2003</b> , 19, 7778-7782	4	47
82	Stabilization of Thin Polymeric Bilayer Films on Top of Semiconductor Surfaces. <i>Langmuir</i> , <b>2003</b> , 19, 8511-8520	4.8520	43
81	Swelling of Phospholipid Floating Bilayers: The Effect of Chain Length. <i>Langmuir</i> , <b>2003</b> , 19, 7695-7702	4	44
80	Interfacial structure in semiconducting polymer devices. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2814-2818		46
79	Neutron Studies of Magnetic Recording Media. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 803, 7		
78	Experimental evidence for anisotropic double-gap behavior in MgB <sub>2</sub> . <i>Physical Review Letters</i> , <b>2003</b> , 90, 157002	7.4	36



77	Adsorption from alkane+perfluoroalkane mixtures at fluorophobic and fluorophilic surfaces. I. Nature of the noncritical adsorption profiles. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 11917-11925	3.9	7
76	Effects of two-band superconductivity on the flux-line lattice in magnesium diboride. <i>Physical Review Letters</i> , <b>2003</b> , 91, 047002	7.4	80
75	Neutron Reflection: <b>2002</b> , 1198-1208		7
74	Magnetism and superconductivity in ErNi <sub>2</sub> B <sub>2</sub> C <b>2002</b> , 58, 907-911		2
73	SANS study of three-layer micellar particles. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s405-s407	2.6	3
72	D17: the new reflectometer at the ILL. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s329-s331	2.6	188
71	Phase separation of weakly incompatible polymer blends confined in isolated droplets. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s342-s344	2.6	11
70	Structure analysis of adsorbed star-like polymers with GISAS and SFM. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s433-s435	2.6	2
69	Small angle neutron scattering investigation of the magnetic history dependence of the vortex structure in the cubic (K,Ba)BiO <sub>3</sub> superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 377, 165-170	1.3	2
68	A neutron reflectometry study of the interface between poly(9,9-dioctylfluorene) and poly(methyl methacrylate). <i>Applied Physics Letters</i> , <b>2002</b> , 81, 4949-4951	3.4	16
67	Intrinsic behavior of flux lines in pure niobium near the upper critical field. <i>Physical Review Letters</i> , <b>2002</b> , 88, 167003	7.4	45
66	Direct evidence for an intrinsic square vortex lattice in the overdoped high- T <sub>c</sub> superconductor La(1.83)Sr(0.17)CuO(4+ $\delta$ ). <i>Physical Review Letters</i> , <b>2002</b> , 88, 217003	7.4	98
65	Use of the Neutron Spin Echo Technique to Observe Flux Line Motion. <i>Lecture Notes in Physics</i> , <b>2002</b> , 215-221	0.8	
64	A Bragg glass phase in the vortex lattice of a type II superconductor. <i>Nature</i> , <b>2001</b> , 413, 404-6	50.4	135
63	Transverse-field components of the flux-line lattice in the anisotropic superconductor YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	14
62	Structure Formation in Two-Dimensionally Confined Diblock Copolymer Films. <i>Langmuir</i> , <b>2001</b> , 17, 5567-5575	4.5	32
61	Characterization of Nanoparticles Based on Block Copolymer Micelles. <i>Langmuir</i> , <b>2001</b> , 17, 6699-6704	4	13
60	High Resolution Neutron Diffraction Studies of the Flux- Line Lattice in Borocarbide Superconductors <b>2001</b> , 323-332		

59	Vortex studies in heavy-ion irradiated $\text{Bi}_{2.15}\text{Sr}_{1.85}\text{CaCu}_2\text{O}_{8+x}$ probed by $\mu\text{SR}$ and small-angle neutron scattering. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 289-290, 355-359	2.8	1
58	Small-angle scattering from the vortex lattice in high- $T_c$ and other superconductors. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 276-278, 752-755	2.8	4
57	Dewetting of thin polymer-blend films examined with GISAS. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 283, 53-59	2.8	51
56	Small angle neutron scattering and vortex lattice dynamical phase diagram. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 999-1002	1.3	9
55	Neutron diffraction from the flux line lattice near the entanglement transition in $(\text{K}, \text{Ba})\text{BiO}_3$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 2131-2132	1.3	2
54	Vortex lattice structures and pairing symmetry in $\text{Sr}_2\text{RuO}_4$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 1643-1646	1.3	2
53	Realignment of the flux-line lattice by a change in the symmetry of superconductivity in $\text{UPt}_3$ . <i>Nature</i> , <b>2000</b> , 406, 160-4	50.4	61
52	In-Situ Surface-Roughness Measurements during the Preparation of Chemically Etched Porous Silicon. <i>Journal of Porous Materials</i> , <b>2000</b> , 7, 47-49	2.4	1
51	Surface structure analysis of thin dewetted polymer blend films. <i>Macromolecular Symposia</i> , <b>2000</b> , 149, 283-288	0.8	3
50	Reconstruction from small-angle neutron scattering measurements of the real space magnetic field distribution in the mixed state of $\text{Sr}_2\text{RuO}_4$ . <i>Physical Review Letters</i> , <b>2000</b> , 84, 6094-7	7.4	61
49	Measurement of vortex motion in a type-II superconductor: A novel use of the neutron spin-echo technique. <i>Physical Review Letters</i> , <b>2000</b> , 85, 3488-91	7.4	17
48	Small Angle Neutron Scattering and Magnetization Measurements in the Cubic $(\text{K}, \text{Ba})\text{BiO}_3$ Superconductor. <i>Physical Review Letters</i> , <b>1999</b> , 82, 4930-4933	7.4	28
47	Flux-Line Lattice Structures in Untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Physical Review Letters</i> , <b>1999</b> , 82, 2792-2795	7.4	47
46	A low field study of the flux line lattice in $\text{CeRu}_2$ . <i>Physica B: Condensed Matter</i> , <b>1999</b> , 259-261, 696-698	2.8	1
45	Fluxoids and neutron polarisation effects. <i>Physica B: Condensed Matter</i> , <b>1999</b> , 267-268, 115-121	2.8	9
44	A neutron reflectivity study of $[\text{Os}(\text{bipy})_2(\text{PVP})_{10}\text{Cl}]^+$ polymer film modified electrodes: effect of redox state and counter ion. <i>Electrochimica Acta</i> , <b>1999</b> , 44, 3533-3548	6.7	9
43	Neutron Scattering from the Flux Line Lattice in the Cubic $(\text{K}, \text{Ba})\text{BiO}_3$ Superconductor. <i>Journal of Low Temperature Physics</i> , <b>1999</b> , 117, 1353-1357	1.3	3
42	Probing the in-plane composition of thin polymer films with grazing-incidence small-angle neutron scattering and atomic force microscopy. <i>Colloid and Polymer Science</i> , <b>1999</b> , 277, 1193-1199	2.4	50

41	A study of $[\text{Os}(\text{bipy})_2(\text{PVP})_3.3(\text{PS})_6.7\text{Cl}]^+$ polymer film modified electrodes using neutron reflectivity. <i>Physical Chemistry Chemical Physics</i> , <b>1999</b> , 1, 843-853	3.6	9
40	Adsorption of the Lamellar Phase of Aerosol-OT at the Solid/Liquid and Air/Liquid Interfaces. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 10800-10806	3.4	40
39	Observation of a square flux-line lattice in the unconventional superconductor $\text{Sr}_2\text{RuO}_4$ . <i>Nature</i> , <b>1998</b> , 396, 242-245	50.4	151
38	The Denaturation of Lysozyme Layers Adsorbed at the Hydrophobic Solid/Liquid Surface Studied by Neutron Reflection. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 206, 212-223	9.3	133
37	Neutron reflectivity studies of adsorption and wetting in the vicinity of a liquid/liquid critical point: alkane + perfluoroalkane mixtures at a silicon interface. <i>Journal of Physics Condensed Matter</i> , <b>1998</b> , 10, 8173-8188	1.8	6
36	A Neutron Reflectivity Study of $[\text{Os}(\text{bipy})_2(\text{PVP})_{10}\text{Cl}]^+$ Polymer Film Modified Electrodes: Effect of pH and Counterion. <i>Journal of the Electrochemical Society</i> , <b>1998</b> , 145, 1454-1461	3.9	11
35	Observation of vortex lattice melting in twinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ using neutron small-angle scattering. <i>Physical Review B</i> , <b>1998</b> , 57, 14511-14517	3.3	13
34	Interfacial Instability Driven by Dispersive Forces: The Early Stages of Spinodal Dewetting of a Thin Polymer Film on a Polymer Substrate. <i>Physical Review Letters</i> , <b>1998</b> , 81, 5173-5176	7.4	145
33	Observations of Suppression of Static and Dynamic Disorder in $\text{Bi}_2.15\text{Sr}_{1.85}\text{CaCu}_2\text{O}_8$ Crystals by Columnar Defects. <i>Physical Review Letters</i> , <b>1998</b> , 81, 5209-5212	7.4	7
32	Nonlocal Effects and Vortex Lattice Transitions in $\text{YNi}_2\text{B}_2\text{C}$ . <i>Physical Review Letters</i> , <b>1998</b> , 80, 1517-1520	7.4	106
31	Cancellation of gravity for slow neutrons in small angle scattering experiments. <i>Neutron News</i> , <b>1998</b> , 9, 25-31	0.4	18
30	Role of electromagnetic coupling in the low-field phase diagram of $\text{Bi}_2.15\text{Sr}_{1.85}\text{CaCu}_2\text{O}_8$ . <i>Physical Review B</i> , <b>1997</b> , 55, 5666-5669	3.3	36
29	Dynamic Neutron Reflectivity Measurements during Redox Switching of Nickel Hydroxide Films. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 1-4	3.4	26
28	Thickness dependence of the total magnetic moment per atom in the $\text{Cu}/\text{Ni}/\text{Cu}/\text{Si}(001)$ system. <i>Physical Review B</i> , <b>1997</b> , 55, 11422-11431	3.3	54
27	NR studies of the vortex lattice in high- $T_c$ and other superconductors <b>1997</b> , 105, 61-69		3
26	Neutron diffraction by the flux line lattice in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 282-287, 2089-2090	1.3	4
25	Neutron Diffraction by the Flux Line Lattice in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Single Crystals. <i>Journal of Applied Crystallography</i> , <b>1997</b> , 30, 571-574	3.8	3
24	Observation of flux lattice melting in YBCO by small angle neutron scattering. <i>European Physical Journal D</i> , <b>1996</b> , 46, 1569-1570		7

23	Observation of a re-emergence of the flux lattice in BSCCO. <i>European Physical Journal D</i> , <b>1996</b> , 46, 1571-1572		29
22	A neutron study of the flux lattice in the superconductor CeRu <sub>2</sub> . <i>Physica B: Condensed Matter</i> , <b>1996</b> , 223-224, 169-171	2.8	24
21	Flux Lattice Melting and Dimensional Crossover in Bi-2212 Single Crystals. <i>Journal De Physique, I</i> , <b>1996</b> , 6, 2327-2354		16
20	Neutron scattering from the flux-line lattice in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + y. <i>Physica B: Condensed Matter</i> , <b>1995</b> , 213-214, 107-109	2.8	1
19	Evidence for two-dimensional thermal fluctuations of the vortex structure in Bi <sub>2</sub> .15Sr <sub>1.85</sub> CaCu <sub>2</sub> O <sub>8</sub> + delta from muon spin rotation experiments. <i>Physical Review Letters</i> , <b>1995</b> , 75, 922-925	7.4	50
18	Comment on "Vortex dynamics and melting in niobium". <i>Physical Review Letters</i> , <b>1995</b> , 74, 1697	7.4	5
17	Muon-spin-rotation studies of the temperature dependence of the magnetic penetration depth in the YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> family and related compounds. <i>Physical Review B</i> , <b>1995</b> , 52, 541-552	3.3	75
16	Observation of the Flux-Line Lattice by Neutron Diffraction and Muon-Spin Rotation <b>1995</b> , 413-418		3
15	Small-angle neutron scattering study of the flux-line lattice in a single crystal of Bi <sub>2</sub> .15Sr <sub>1.95</sub> CaCu <sub>2</sub> O <sub>8</sub> +x (invited). <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 6784-6787	2.5	2
14	A BR determination of the penetration depth in superconducting YNi <sub>2</sub> B <sub>2</sub> C. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 233, 273-280	1.3	24
13	BR investigation of the superconducting properties of YNi <sub>2</sub> B <sub>2</sub> C. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 2535-2536	1.3	3
12	Small angle neutron diffraction studies of vortex structures in high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 2583-2584	1.3	2
11	Observation of magnetic flux line structures in superconductors by small-angle neutron diffraction. <i>Physica Scripta</i> , <b>1993</b> , T49A, 143-147	2.6	1
10	Evidence for flux-lattice melting and a dimensional crossover in single-crystal Bi <sub>2</sub> .15Sr <sub>1.85</sub> CaCu <sub>2</sub> O <sub>8</sub> + delta from muon spin rotation studies. <i>Physical Review Letters</i> , <b>1993</b> , 71, 3862-3865	7.4	231
9	Anisotropic vortex lattice in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physical Review Letters</i> , <b>1993</b> , 71, 3019-3022	7.4	45
8	Small-angle neutron scattering study of flux line lattices in twinned YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physical Review Letters</i> , <b>1993</b> , 70, 857-860	7.4	78
7	Neutron measurements of the vortex lattice in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> (invited). <i>Journal of Applied Physics</i> , <b>1993</b> , 73, 5855-5859	2.5	3
6	The flux-line lattice in high-temperature superconductors. <i>Physica B: Condensed Matter</i> , <b>1993</b> , 192, 70-78	2.8	2

5	Unconventional angular dependence of the microscopic magnetic field distribution in single crystal Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> from muon-spin rotation studies. <i>Physica C: Superconductivity and Its Applications</i> , <b>1993</b> , 213, 126-132	1.3	19
4	Direct observation of magnetic flux lattice melting and decomposition in the high-T <sub>c</sub> superconductor Bi <sub>2.15</sub> Sr <sub>1.95</sub> CaCu <sub>2</sub> O <sub>8+x</sub> . <i>Nature</i> , <b>1993</b> , 365, 407-411	50.4	43 <sup>8</sup>
3	Neutron diffraction by the flux lattice in high-T <sub>c</sub> superconductors. <i>Physica B: Condensed Matter</i> , <b>1992</b> , 180-181, 377-379	2.8	21
2	Anomalous neutron scattering from the flux-line lattice in K <sub>0.4</sub> Ba <sub>0.6</sub> BiO <sub>3</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 1837-1838	1.3	2
1	Neutron diffraction from the flux line lattice. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 247-252	1.3	11