

Mark J Tobin

List of Publications by Year in descending order

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129
papers

5,418
citations

93792

39
h-index

104191

69
g-index

135
all docs

135
docs citations

135
times ranked

7392
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the nature of soil organic matter. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 4072-4093.	6.6	35
2	Cultural Heritage Project at Australian Nuclear Science and Technology Organisation (ANSTO)., 2022, , 375-441.		0
3	Magnetic field induced alignment of macroradical epoxy for enhanced electrical properties. <i>Soft Matter</i> , 2022, 18, 5194-5203.	1.2	5
4	Optical anisotropy of glancing angle deposited thin films on nano-patterned substrates. <i>Optical Materials Express</i> , 2022, 12, 1281.	1.6	0
5	Anisotropic 3D columnar micro-film coating for applications in infrared and visible spectral ranges. <i>Applied Surface Science</i> , 2022, 590, 152910.	3.1	1
6	Bone loss markers in the earliest Pacific Islanders. <i>Scientific Reports</i> , 2021, 11, 3981.	1.6	5
7	Tracking biochemical changes induced by iron loading in AML12 cells with synchrotron live cell, time-lapse infrared microscopy. <i>Biochemical Journal</i> , 2021, 478, 1227-1239.	1.7	4
8	Co-delivery of inhalable therapies: Controlling active ingredients spatial distribution and temporal release. <i>Materials Science and Engineering C</i> , 2021, 122, 111831.	3.8	2
9	Design of polymeric core-shell carriers for combination therapies. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 499-509.	5.0	14
10	Infrared Based Saliva Screening Test for COVID-19. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17102-17107.	7.2	42
11	Infrared Based Saliva Screening Test for COVID-19. <i>Angewandte Chemie</i> , 2021, 133, 17239-17244.	1.6	15
12	“Wax On, Wax Off” In Vivo Imaging of Plant Physiology and Disease with Fourier Transform Infrared Reflectance Microspectroscopy. <i>Advanced Science</i> , 2021, 8, e2101902.	5.6	5
13	Exploiting spatio-spectral aberrations for rapid synchrotron infrared imaging. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1616-1619.	1.0	10
14	Mapping sub-cellular protein aggregates and lipid inclusions using synchrotron ATR-FTIR microspectroscopy. <i>Analyst</i> , 2021, 146, 3516-3525.	1.7	6
15	Anisotropy of 3D Columnar Coatings in Mid-Infrared Spectral Range. <i>Nanomaterials</i> , 2021, 11, 3247.	1.9	3
16	Free-standing spider silk webs of the thomisid <i>Saccodomus formivorus</i> are made of composites comprising micro- and submicron fibers. <i>Scientific Reports</i> , 2020, 10, 17624.	1.6	3
17	Investigation of molecular mechanisms of experimental compounds in murine models of chronic allergic airways disease using synchrotron Fourier-transform infrared microspectroscopy. <i>Scientific Reports</i> , 2020, 10, 11713.	1.6	2
18	Asymmetric midshaft femur remodeling in an adult male with left sided hip joint ankylosis, Metal Period Nagsabaran, Philippines. <i>International Journal of Paleopathology</i> , 2020, 31, 14-22.	0.8	6

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19	The effect of pH on the fat and protein within cream cheese and their influence on textural and rheological properties. <i>Food Chemistry</i> , 2020, 332, 127327.	4.2	25
20	Hyperspectral mapping of anisotropy. <i>Nanoscale Horizons</i> , 2019, 4, 1443-1449.	4.1	26
21	Increased autophagy in EphrinB2-deficient osteocytes is associated with elevated secondary mineralization and brittle bone. <i>Nature Communications</i> , 2019, 10, 3436.	5.8	48
22	Dielectric cross-shaped-resonator-based metasurface for vortex beam generation at mid-IR and THz wavelengths. <i>Nanophotonics</i> , 2019, 8, 1263-1270.	2.9	29
23	Applications of Synchrotron-Source IR Spectroscopy for the Investigation of Insect Wings. , 2019, , .		4
24	Odd-even effects on hydration of natural polyelectrolyte multilayers: An in situ synchrotron FTIR microspectroscopy study. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 720-733.	5.0	14
25	Interaction of Giant Unilamellar Vesicles with the Surface Nanostructures on Dragonfly Wings. <i>Langmuir</i> , 2019, 35, 2422-2430.	1.6	18
26	Structural, thermal, rheological and optical properties of poly(lactic acid) films prepared through solvent casting and melt processing techniques. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 104, 293-300.	2.7	26
27	Infrared Polariscope Imaging of Linear Polymeric Patterns with a Focal Plane Array. <i>Nanomaterials</i> , 2019, 9, 732.	1.9	14
28	Nanoscale optical and structural characterisation of silk. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 922-929.	1.5	15
29	Synchrotron macro ATR-FTIR microspectroscopy for high-resolution chemical mapping of single cells. <i>Analyst</i> , The, 2019, 144, 3226-3238.	1.7	74
30	The characterisation of Mozzarella cheese microstructure using high resolution synchrotron transmission and ATR-FTIR microspectroscopy. <i>Food Chemistry</i> , 2019, 291, 214-222.	4.2	25
31	Investigation of oil distribution in spray-dried chia seed oil microcapsules using synchrotron-FTIR microspectroscopy. <i>Food Chemistry</i> , 2019, 275, 457-466.	4.2	36
32	Paracetamol micro-structure analysis by optical mapping. <i>Applied Surface Science</i> , 2019, 473, 127-132.	3.1	17
33	Study of melanin localization in the mature male <i>Calopteryx haemorrhoidalis</i> damselfly wings. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 874-877.	1.0	1
34	Metamorphic records of multiple seismic cycles during subduction. <i>Science Advances</i> , 2018, 4, eaaq0234.	4.7	45
35	Synchrotron infrared microspectroscopy reveals the response of Sphagnum cell wall material to its aqueous chemical environment. <i>Environmental Chemistry</i> , 2018, 15, 513.	0.7	0
36	A Novel Soft Contact Piezo-Controlled Liquid Cell for Probing Polymer Films under Confinement using Synchrotron FTIR Microspectroscopy. <i>Scientific Reports</i> , 2018, 8, 17804.	1.6	8

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37	Soil Organic Carbon Stabilization: Mapping Carbon Speciation from Intact Microaggregates. <i>Environmental Science & Technology</i> , 2018, 52, 12275-12284.	4.6	50
38	Focal plane array IR imaging at the Australian Synchrotron. <i>Infrared Physics and Technology</i> , 2018, 94, 85-90.	1.3	11
39	Structure and Chemical Organization in Damselfly <i>Calopteryx haemorrhoidalis</i> Wings: A Spatially Resolved FTIR and XRF Analysis with Synchrotron Radiation. <i>Scientific Reports</i> , 2018, 8, 8413.	1.6	11
40	Pillars of Life: Is There a Relationship between Lifestyle Factors and the Surface Characteristics of Dragonfly Wings?. <i>ACS Omega</i> , 2018, 3, 6039-6046.	1.6	19
41	Revealing the spatial distribution of chemical species within latent fingerprints using vibrational spectroscopy. <i>Analyst</i> , 2018, 143, 4027-4039.	1.7	38
42	The susceptibility of <i>Staphylococcus aureus</i> CIP 65.8 and <i>Pseudomonas aeruginosa</i> ATCC 9721 cells to the bactericidal action of nanostructured <i>Calopteryx haemorrhoidalis</i> damselfly wing surfaces. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 4683-4690.	1.7	71
43	Chemically imaging the interaction of acetylated nanocrystalline cellulose (NCC) with a polylactic acid (PLA) polymer matrix. <i>Cellulose</i> , 2017, 24, 1717-1729.	2.4	45
44	Probing the action of a novel anti-leukaemic drug therapy at the single cell level using modern vibrational spectroscopy techniques. <i>Scientific Reports</i> , 2017, 7, 2649.	1.6	28
45	The effect of thermally induced chemical transformations on the structure and properties of carbon fibre precursors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7372-7382.	5.2	40
46	Orientational Mapping Augmented Sub-Wavelength Hyper-Spectral Imaging of Silk. <i>Scientific Reports</i> , 2017, 7, 7419.	1.6	36
47	Nanoscale chemical mapping of laser-solubilized silk. <i>Materials Research Express</i> , 2017, 4, 115028.	0.8	17
48	Insect Analogue to the Lotus Leaf: A Planthopper Wing Membrane Incorporating a Low-Adhesion, Nonwetting, Superhydrophobic, Bactericidal, and Biocompatible Surface. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24381-24392.	4.0	68
49	A Multimodal Spectroscopic Imaging Method To Characterize the Metal and Macromolecular Content of Proteinaceous Aggregates (Amyloid Plaques). <i>Biochemistry</i> , 2017, 56, 4107-4116.	1.2	55
50	Synchrotron macro ATR-FTIR microspectroscopic analysis of silica nanoparticle-embedded polyester coated steel surfaces subjected to prolonged UV and humidity exposure. <i>PLoS ONE</i> , 2017, 12, e0188345.	1.1	13
51	Evidence of biogeochemical processes in iron duricrust formation. <i>Journal of South American Earth Sciences</i> , 2016, 71, 131-142.	0.6	39
52	Anabolic action of parathyroid hormone (PTH) does not compromise bone matrix mineral composition or maturation. <i>Bone</i> , 2016, 93, 146-154.	1.4	25
53	The Evolution of Silica Nanoparticle-polyester Coatings on Surfaces Exposed to Sunlight. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	4
54	The nature of inherent bactericidal activity: insights from the nanotopology of three species of dragonfly. <i>Nanoscale</i> , 2016, 8, 6527-6534.	2.8	104

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55	Attenuated Total Reflection FTIR Microspectroscopy at the Australian Synchrotron. , 2016, , .		3
56	Mechanisms of murine cerebral malaria: Multimodal imaging of altered cerebral metabolism and protein oxidation at hemorrhage sites. <i>Science Advances</i> , 2015, 1, e1500911.	4.7	25
57	SR-FTIR Coupled with Principal Component Analysis Shows Evidence for the Cellular Bystander Effect. <i>Radiation Research</i> , 2015, 184, 73-82.	0.7	13
58	Synchrotron FTIR microscopy of synthetic and natural CO ₂ & H ₂ O fluid inclusions. <i>Vibrational Spectroscopy</i> , 2014, 75, 136-148.	1.2	6
59	Wing wettability of Odonata species as a function of quantity of epicuticular waxes. <i>Vibrational Spectroscopy</i> , 2014, 75, 173-177.	1.2	12
60	Stability and cytotoxicity of crystallin amyloid nanofibrils. <i>Nanoscale</i> , 2014, 6, 13169-13178.	2.8	21
61	Synchrotron FTIR shows evidence of DNA damage and lipid accumulation in prostate adenocarcinoma PC-3 cells following proton irradiation. <i>Journal of Molecular Structure</i> , 2014, 1073, 134-141.	1.8	35
62	Effect of spatial distribution of wax and PEG-isocyanate on the morphology and hydrophobicity of starch films. <i>Carbohydrate Polymers</i> , 2014, 111, 333-347.	5.1	20
63	Fourier transform infrared microspectroscopy reveals unique phenotypes for human embryonic and induced pluripotent stem cell lines and their progeny. <i>Journal of Biophotonics</i> , 2014, 7, 767-781.	1.1	10
64	Monitoring UVR induced damage in single cells and isolated nuclei using SR-FTIR microspectroscopy and 3D confocal Raman imaging. <i>Analyst</i> , The, 2014, 139, 4200-4209.	1.7	28
65	Discrimination of micromass-induced chondrocytes from human mesenchymal stem cells by focal plane array-Fourier transform infrared microspectroscopy. <i>Talanta</i> , 2014, 130, 39-48.	2.9	8
66	Qualitative spectroscopic characterization of the matrix-silane coupling agent interface across metal fibre reinforced ion exchange resin composite membranes. <i>Vibrational Spectroscopy</i> , 2014, 75, 203-212.	1.2	8
67	Understanding the distribution of natural wax in starch-wax films using synchrotron-based FTIR (S-FTIR). <i>Carbohydrate Polymers</i> , 2014, 102, 125-135.	5.1	57
68	Fourier transform infrared microspectroscopy reveals that tissue culture conditions affect the macromolecular phenotype of human embryonic stem cells. <i>Analyst</i> , The, 2013, 138, 4147.	1.7	16
69	Dual role of outer epicuticular lipids in determining the wettability of dragonfly wings. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 106, 126-134.	2.5	64
70	High-spatial-resolution mapping of superhydrophobic cicada wing surface chemistry using infrared microspectroscopy and infrared imaging at two synchrotron beamlines. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 482-489.	1.0	24
71	The Characterisation of Pluripotent and Multipotent Stem Cells Using Fourier Transform Infrared Microspectroscopy. <i>International Journal of Molecular Sciences</i> , 2013, 14, 17453-17476.	1.8	25
72	Instrumentation upgrade for Top-Up operations at the Australian Synchrotron. <i>Journal of Physics: Conference Series</i> , 2013, 425, 042015.	0.3	2

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73	High Spatial Resolution Infrared Micro-Spectroscopy Reveals the Mechanism of Leaf Lignin Decomposition by Aquatic Fungi. PLoS ONE, 2013, 8, e60857.	1.1	19
74	Molecular Organization of the Nanoscale Surface Structures of the Dragonfly <i>Hemianax papuensis</i> Wing Epicuticle. PLoS ONE, 2013, 8, e67893.	1.1	61
75	Synchrotron FTIR Microscopy of Langmuir-Blodgett Monolayers and Polyelectrolyte Multilayers at the Solid-Solid Interface. Langmuir, 2012, 28, 1683-1688.	1.6	10
76	The role of melt-fracture degassing in defusing explosive rhyolite eruptions at volcano Chaitán. Earth and Planetary Science Letters, 2012, 333-334, 63-69.	1.8	125
77	The application of Fourier transform infrared microspectroscopy for the study of diseased central nervous system tissue. NeuroImage, 2012, 59, 3624-3640.	2.1	95
78	Spatial Variations and Temporal Metastability of the Self-Cleaning and Superhydrophobic Properties of Damselfly Wings. Langmuir, 2012, 28, 17404-17409.	1.6	55
79	Natural Bactericidal Surfaces: Mechanical Rupture of <i>Pseudomonas aeruginosa</i> Cells by Cicada Wings. Small, 2012, 8, 2489-2494.	5.2	742
80	Characterisation of chondrogenic differentiation of human mesenchymal stem cells using synchrotron FTIR microspectroscopy. Analyst, The, 2011, 136, 2542.	1.7	26
81	Monitoring the reversible B to A-like transition of DNA in eukaryotic cells using Fourier transform infrared spectroscopy. Nucleic Acids Research, 2011, 39, 5439-5448.	6.5	191
82	Chemical changes demonstrated in cartilage by synchrotron infrared microspectroscopy in an antibody-induced murine model of rheumatoid arthritis. Journal of Biomedical Optics, 2011, 16, 066004.	1.4	12
83	Micrometer-Scale 2D Mapping of the Composition and Homogeneity of Polymer Inclusion Membranes. Australian Journal of Chemistry, 2011, 64, 930.	0.5	15
84	Microanalysis of artworks: IR microspectroscopy of paint cross-sections. Vibrational Spectroscopy, 2010, 53, 77-82.	1.2	11
85	Synchrotron radiation infrared microspectroscopy of arsenic-induced changes to intracellular biomolecules in live leukemia cells. Vibrational Spectroscopy, 2010, 53, 39-44.	1.2	38
86	FTIR spectroscopy of single live cells in aqueous media by synchrotron IR microscopy using microfabricated sample holders. Vibrational Spectroscopy, 2010, 53, 34-38.	1.2	98
87	One-Step Method for Generating PEG-Like Plasma Polymer Gradients: Chemical Characterization and Analysis of Protein Interactions. Langmuir, 2010, 26, 13987-13994.	1.6	48
88	Early detection of the chemical changes occurring during the induction and prevention of autoimmune-mediated demyelination detected by FT-IR imaging. NeuroImage, 2010, 49, 1180-1189.	2.1	64
89	Silicon nitride as a versatile growth substrate for microspectroscopic imaging and mapping of individual cells. Molecular BioSystems, 2010, 6, 1316.	2.9	72
90	Chapter 10. Head and Neck Cancer: Observations from Synchrotron-sourced Mid-infrared Spectroscopy Investigations. Metal Ions in Life Sciences, 2010, , 291-314.	1.0	0

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91	The emergence of biospectroscopy in stem cell research. <i>Stem Cell Research</i> , 2009, 3, 12-14.	0.3	25
92	Discriminating the Intraerythrocytic Lifecycle Stages of the Malaria Parasite Using Synchrotron FT-IR Microspectroscopy and an Artificial Neural Network. <i>Analytical Chemistry</i> , 2009, 81, 2516-2524.	3.2	42
93	Challenges in Biology and Medicine with Synchrotron Infrared Light. <i>Acta Physica Polonica A</i> , 2009, 115, 446-454.	0.2	15
94	Ro-vibrational analysis of the $\hat{1}\frac{1}{2}9$ and $\hat{1}\frac{1}{2}16$ bands of R152a. <i>Journal of Molecular Spectroscopy</i> , 2008, 251, 256-260.	0.4	3
95	Mineralised organic remains from cesspits at the Roman town of Silchester: Processes and preservation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 854-861.	2.0	9
96	High resolution synchrotron FTIR spectroscopy of the far infrared $\hat{1}\frac{1}{2}10$ and $\hat{1}\frac{1}{2}11$ bands of R152a (CH ₃ CHF ₂). <i>Chemical Physics Letters</i> , 2008, 465, 203-206.	1.2	11
97	Estimating and Correcting Mie Scattering in Synchrotron-Based Microscopic Fourier Transform Infrared Spectra by Extended Multiplicative Signal Correction. <i>Applied Spectroscopy</i> , 2008, 62, 259-266.	1.2	158
98	Shedding New Light on the Molecular Architecture of Oocytes Using a Combination of Synchrotron Fourier Transform-Infrared and Raman Spectroscopic Mapping. <i>Analytical Chemistry</i> , 2008, 80, 9065-9072.	3.2	70
99	Infrared Spectroscopy with Multivariate Analysis Potentially Facilitates the Segregation of Different Types of Prostate Cell. <i>Biophysical Journal</i> , 2006, 90, 3783-3795.	0.2	129
100	Characterization of Putative Stem Cell Populations in the Cornea Using Synchrotron Infrared Microspectroscopy. , 2006, 47, 2417.		53
101	The kinetics of the 2 \hat{I} +2 \hat{I} photodimerisation reactions of single-crystalline derivatives of trans-cinnamic acid: A study by infrared microspectroscopy. <i>Journal of Molecular Structure</i> , 2006, 786, 220-226.	1.8	27
102	Neutron and X-ray characterisation of the metallurgical properties of a 7th century BC Corinthian-type bronze helmet. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 239, 16-26.	0.6	23
103	Mapping of nutrient-induced biochemical changes in living algal cells using synchrotron infrared microspectroscopy. <i>FEMS Microbiology Letters</i> , 2005, 249, 219-225.	0.7	112
104	Advantages of the Use of SR-FT-IR Microspectroscopy: Applications to Cultural Heritage. <i>Analytical Chemistry</i> , 2005, 77, 3444-3451.	3.2	102
105	4GLS the UK's fourth generation light source at Daresbury: new prospects in biological surface science. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S2405-S2412.	0.7	7
106	Adenovirus Type-5 Entry and Disassembly Followed in Living Cells by FRET, Fluorescence Anisotropy, and FLIM. <i>Biophysical Journal</i> , 2004, 87, 1316-1327.	0.2	46
107	An in situ time-dependent study of the photodimerisation of chloro-derivatives of trans-cinnamic acid using infrared microspectroscopy with a synchrotron radiation source. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4.	1.3	21
108	Infrared microscopy of epithelial cancer cells in whole tissues and in tissue culture, using synchrotron radiation. <i>Faraday Discussions</i> , 2004, 126, 27.	1.6	69

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109	Molecular characterization of cyanobacterial silicification using synchrotron infrared micro-spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 729-741.	1.6	156
110	Wishful physics – some common misconceptions about InGaN. <i>Physica Status Solidi A</i> , 2003, 195, 532-536.	1.7	8
111	Lipid diffusion in the thylakoid membranes of the cyanobacterium <i>Synechococcus</i> sp.: effect of fatty acid desaturation. <i>FEBS Letters</i> , 2003, 553, 295-298.	1.3	41
112	Near-field photothermal Fourier transform infrared spectroscopy using synchrotron radiation. <i>Measurement Science and Technology</i> , 2002, 13, 1217-1222.	1.4	27
113	4GLS: a fourth-generation light source that for the biomedical scientist is more than a laser and more than a storage ring. , 2002, , .		4
114	Fourier-transform infrared spectroscopy of <i>Pediastrum duplex</i> : characterization of a micro-population isolated from a eutrophic lake. <i>European Journal of Phycology</i> , 2002, 37, 19-26.	0.9	63
115	Preformed Oligomeric Epidermal Growth Factor Receptors Undergo an Ectodomain Structure Change during Signaling. <i>Biophysical Journal</i> , 2002, 82, 2415-2427.	0.2	110
116	Intracellular localisation studies of doxorubicin and Victoria Blue BO in EMT6-S and EMT6-R cells using confocal microscopy. <i>Cytotechnology</i> , 2002, 39, 15-25.	0.7	14
117	Oil Distribution in Fried Potatoes Monitored by Infrared Microspectroscopy. <i>Journal of Food Science</i> , 2001, 66, 918-923.	1.5	112
118	Diffusion of Phycobilisomes on the Thylakoid Membranes of the Cyanobacterium <i>Synechococcus</i> 7942. <i>Journal of Biological Chemistry</i> , 2001, 276, 46830-46834.	1.6	120
119	Biologically Interfaced Porous Silicon Devices. <i>Physica Status Solidi A</i> , 2000, 182, 505-513.	1.7	98
120	Nature of the Silicon-Animal Cell Interface. <i>Journal of Porous Materials</i> , 2000, 7, 191-195.	1.3	81
121	The culture of neurons on silicon. <i>Sensors and Actuators A: Physical</i> , 1999, 74, 139-142.	2.0	86
122	Confocal microscopy and spectroscopy of InGaN epilayers on sapphire. <i>Journal of Microscopy</i> , 1999, 193, 105-108.	0.8	9
123	<title>Synchrotron IR microspectroscopy of malignant tissue</title>. , 1999, , .		0
124	Infrared spectroscopy and microscopy at the Daresbury synchrotron light source. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1998, 20, 439-448.	0.4	7
125	A facility for confocal imaging and microvolume fluorescence lifetime spectroscopy at the SRS. <i>Synchrotron Radiation News</i> , 1998, 11, 24-30.	0.2	1
126	Subnanosecond polarized microfluorimetry in the time domain: An instrument for studying receptor trafficking in live cells. <i>Review of Scientific Instruments</i> , 1998, 69, 540-543.	0.6	11

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127	Mobility of photosynthetic complexes in thylakoid membranes. <i>Nature</i> , 1997, 390, 421-424.	13.7	216
128	Confocal imaging using synchrotron radiation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1996, 80, 343-347.	0.8	1
129	A high sensitivity time-resolved microfluorimeter for real-time cell biology. <i>Review of Scientific Instruments</i> , 1996, 67, 3716-3721.	0.6	10