

Peter Guttmann

List of Publications by Year in descending order

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166
papers

4,467
citations

126901

33
h-index

128286

60
g-index

170
all docs

170
docs citations

170
times ranked

6631
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray Fourier transform holography with beamshaping optical elements. <i>Optics Express</i> , 2022, 30, 15566-15574.	3.4	3
2	Intracellular optical probing with gold nanostars. <i>Nanoscale</i> , 2021, 13, 968-979.	5.6	20
3	Single cell temperature probed by Eu ⁺³ doped TiO ₂ nanoparticles luminescence. <i>Nano Select</i> , 2021, 2, 1208-1217.	3.7	3
4	Niemann Pick C2 protein enables cholesterol transfer from endo-lysosomes to the plasma membrane for efflux by shedding of extracellular vesicles. <i>Chemistry and Physics of Lipids</i> , 2021, 235, 105047.	3.2	21
5	Probing the Intracellular Bio-Nano Interface in Different Cell Lines with Gold Nanostars. <i>Nanomaterials</i> , 2021, 11, 1183.	4.1	6
6	Insight into diatom frustule structures using various imaging techniques. <i>Scientific Reports</i> , 2021, 11, 14555.	3.3	12
7	Nd ³⁺ -Doped TiO ₂ Nanoparticles as Nanothermometer: High Sensitivity in Temperature Evaluation inside Biological Windows. <i>Sensors</i> , 2021, 21, 5306.	3.8	3
8	Influence of Nuclear Localization Sequences on the Intracellular Fate of Gold Nanoparticles. <i>ACS Nano</i> , 2021, 15, 14838-14849.	14.6	14
9	The in-vivo Mode of Action of Quinoline Antimalarial Drugs Unveiled by X-ray Microscopy. <i>Microscopy and Microanalysis</i> , 2020, 26, 3004-3006.	0.4	0
10	Relating the composition and interface interactions in the hard corona of gold nanoparticles to the induced response mechanisms in living cells. <i>Nanoscale</i> , 2020, 12, 17450-17461.	5.6	17
11	Fine Control of the Chemistry of Nitrogen Doping in TiO ₂ : A Joint Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17401-17412.	3.1	17
12	The need to freeze-dry Dehydration during specimen preparation for electron microscopy collapses the endothelial glycocalyx regardless of fixation method. <i>Microcirculation</i> , 2020, 27, e12643.	1.8	10
13	Cells Undergo Major Changes in the Quantity of Cytoplasmic Organelles after Uptake of Gold Nanoparticles with Biologically Relevant Surface Coatings. <i>ACS Nano</i> , 2020, 14, 2248-2264.	14.6	31
14	Optical Nanosensing of Lipid Accumulation due to Enzyme Inhibition in Live Cells. <i>ACS Nano</i> , 2019, 13, 9363-9375.	14.6	31
15	X-ray tomography shows the varying three-dimensional morphology of gold nanoaggregates in the cellular ultrastructure. <i>Nanoscale Advances</i> , 2019, 1, 2937-2945.	4.6	14
16	Soft X-ray nanoscale imaging using a sub-pixel resolution charge coupled device (CCD) camera. <i>Review of Scientific Instruments</i> , 2019, 90, 043111.	1.3	6
17	Mode of action of quinoline antimalarial drugs in red blood cells infected by <i>Plasmodium falciparum</i> revealed in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22946-22952.	7.1	72
18	The New HZB X-Ray Microscopy Beamline U41-PGM1-XM at BESSY II.. <i>Microscopy and Microanalysis</i> , 2018, 24, 206-207.	0.4	4

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19	First Results from the X-Ray Microscopy Beamline U41-PGM1-XM at BESSY II.. Microscopy and Microanalysis, 2018, 24, 204-205.	0.4	8
20	A transmission x-ray microscopy and NEXAFS approach for studying corroded silicate glasses at the nanometre scale. Journal of Commonwealth Law and Legal Education, 2018, 59, 11-26.	0.5	2
21	Nanoscale NEXAFS for Probing TiCh-B Nanoribbons.. Microscopy and Microanalysis, 2018, 24, 474-475.	0.4	3
22	In-situ X-ray Microscopy of Crack-Propagation to Study Fracture Mechanics of On-Chip Interconnect Structures. MRS Advances, 2018, 3, 2305-2310.	0.9	8
23	Combination of Soft X-Ray Microscopy with In-Situ Mechanical Testing to Image Crack Propagation in Microchips. Microscopy and Microanalysis, 2018, 24, 438-439.	0.4	2
24	Soft X-Ray Tomography: Filling the Gap Between Light and Electrons for Imaging Hydrated Biological Cells. Microscopy and Microanalysis, 2017, 23, 986-987.	0.4	0
25	Chemical Bond Modification upon Phase Transformation of TiO ₂ Nanoribbons Revealed by Nanoscale X-ray Linear Dichroism. Journal of Physical Chemistry C, 2017, 121, 17038-17042.	3.1	12
26	3D membrane segmentation and quantification of intact thick cells using cryo soft X-ray transmission microscopy: A pilot study. PLoS ONE, 2017, 12, e0174324.	2.5	4
27	Spectromicroscopy of C60 and azafullerene C59N: Identifying surface adsorbed water. Scientific Reports, 2016, 6, 35605.	3.3	19
28	Biomolecular environment, quantification, and intracellular interaction of multifunctional magnetic SERS nanoprobe. Analyst, The, 2016, 141, 5096-5106.	3.5	29
29	X-ray spectromicroscopy investigation of soft and hard breakdown in RRAM devices. Nanotechnology, 2016, 27, 345705.	2.6	11
30	Spatially resolved TiOx phases in switched RRAM devices using soft X-ray spectromicroscopy. Scientific Reports, 2016, 6, 21525.	3.3	27
31	Nanoimaging granule dynamics and subcellular structures in activated mast cells using soft X-ray tomography. Scientific Reports, 2016, 6, 34879.	3.3	31
32	3D PSF Measurement for a Soft X-ray Microscope and Comparison to Theory. , 2016, , .		2
33	Investigation of reactions between trace gases and functional CuO nanospheres and octahedrons using NEXAFS-TXM imaging. Scientific Reports, 2015, 5, 17729.	3.3	29
34	Overview of nanoscale NEXAFS performed with soft X-ray microscopes. Beilstein Journal of Nanotechnology, 2015, 6, 595-604.	2.8	21
35	Structural Basis of Vesicle Formation at the Inner Nuclear Membrane. Cell, 2015, 163, 1692-1701.	28.9	180
36	Molecular nitrogen in N-doped TiO ₂ nanoribbons. RSC Advances, 2015, 5, 23350-23356.	3.6	35

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37	Aerosol-Assisted CVD-Grown WO ₃ Nanoneedles Decorated with Copper Oxide Nanoparticles for the Selective and Humidity-Resilient Detection of H ₂ S. ACS Applied Materials & Interfaces, 2015, 7, 6842-6851.	8.0	161
38	Controlling Disorder and Superconductivity in Titanium Oxynitride Nanoribbons with Anion Exchange. ACS Nano, 2015, 9, 10133-10141.	14.6	20
39	New Insight into Microgel-Stabilized Emulsions Using Transmission X-ray Microscopy: Nonuniform Deformation and Arrangement of Microgels at Liquid Interfaces. Langmuir, 2015, 31, 83-89.	3.5	43
40	3D simulation of the image formation in soft x-ray microscopes. Optics Express, 2014, 22, 30756.	3.4	27
41	Anisotropic core-shell Fe ₃ O ₄ @Au magnetic nanoparticles and the effect of the immunomagnetic separation volume on the capture efficiency. Pure and Applied Chemistry, 2014, 86, 967-978.	1.9	2
42	T Cells Kill Bacteria Captured by Transinfection from Dendritic Cells and Confer Protection in Mice. Cell Host and Microbe, 2014, 15, 611-622.	11.0	30
43	In situ Characterization of SiO ₂ Nanoparticle Biointeractions Using BrightSilica. Advanced Functional Materials, 2014, 24, 3765-3775.	14.9	48
44	A New In Situ Microscopy Approach to Study the Degradation and Failure Mechanisms of Time-Dependent Dielectric Breakdown: Setups and Opportunities. Advanced Engineering Materials, 2014, 16, 486-493.	3.5	5
45	Imaging Drosophila brain by combining cryo-soft X-ray microscopy of thick vitreous sections and cryo-electron microscopy of ultrathin vitreous sections. Journal of Structural Biology, 2014, 188, 177-182.	2.8	5
46	Mn ²⁺ Substitutional Doping of TiO ₂ Nanoribbons: A Three-Step Approach. Journal of Physical Chemistry C, 2014, 118, 21250-21257.	3.1	23
47	Three-dimensional structured on-chip stacked zone plates for nanoscale X-ray imaging with high efficiency. Nano Research, 2014, 7, 528-535.	10.4	27
48	Amino-terminated polyvinyl Alcohol Coated Superparamagnetic Iron Oxide Nanoparticles are Suitable for Monitoring of Human Mesenchymal Stromal Cells In Vivo. Small, 2014, 10, 4340-4351.	10.0	25
49	Imaging endosomes and autophagosomes in whole mammalian cells using correlative cryo-fluorescence and cryo-soft X-ray microscopy (cryo-CLXM). Ultramicroscopy, 2014, 143, 77-87.	1.9	112
50	Multimodal nanoparticles as alignment and correlation markers in fluorescence/soft X-ray cryo-microscopy/tomography of nucleoplasmic reticulum and apoptosis in mammalian cells. Ultramicroscopy, 2014, 146, 46-54.	1.9	38
51	Specific biomolecule corona is associated with ring-shaped organization of silver nanoparticles in cells. Nanoscale, 2013, 5, 9193.	5.6	49
52	Growth control of CuO nanowires on copper thin films: Toward the development of pn nanojunction arrays. , 2013, , .		2
53	Electronic Structure of Individual Hybrid Colloid Particles Studied by Near-Edge X-ray Absorption Fine Structure (NEXAFS) Spectroscopy in the X-ray Microscope. Nano Letters, 2013, 13, 824-828.	9.1	13
54	Vitrification of thick samples for soft X-ray cryo-tomography by high pressure freezing. Journal of Structural Biology, 2013, 181, 77-81.	2.8	26

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55	NEXAFS spectromicroscopy of suspended carbon nanohorns. <i>Chemical Physics Letters</i> , 2013, 587, 85-87.	2.6	8
56	Investigating local (photo-)current and structure of ZnPc:C60 bulk-heterojunctions. <i>Organic Electronics</i> , 2013, 14, 2777-2788.	2.6	10
57	Material and Elastic Properties of Al_2O_3 Tobermorite in Ancient Roman Seawater Concrete. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2598-2606.	3.8	106
58	Growth control, structure, chemical state, and photoresponse of CuO@CdS core-shell heterostructure nanowires. <i>Nanotechnology</i> , 2013, 24, 265603.	2.6	17
59	Evidence for multifilamentary valence changes in resistive switching SrTiO ₃ devices detected by transmission X-ray microscopy. <i>APL Materials</i> , 2013, 1, .	5.1	33
60	Nanoscale spectroscopy and tomography with the HZB X-ray microscope: Applications in materials and life sciences. <i>Journal of Physics: Conference Series</i> , 2013, 463, 012032.	0.4	3
61	Characterization of the resolving power and contrast transfer function of a transmission X-ray microscope with partially coherent illumination. <i>Optics Express</i> , 2012, 20, 5830.	3.4	59
62	Compact x-ray microscope for the water window based on a high brightness laser plasma source. <i>Optics Express</i> , 2012, 20, 18362.	3.4	100
63	Oriented nucleation of hemozoin at the digestive vacuole membrane in <i>Plasmodium falciparum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11188-11193.	7.1	116
64	Interaction between carbon nanotubes and soil colloids studied with X-ray spectromicroscopy. <i>Chemical Geology</i> , 2012, 329, 32-41.	3.3	8
65	Morphological quantification of hierarchical geomaterials by X-ray nano-CT bridges the gap from nano to micro length scales. <i>American Mineralogist</i> , 2012, 97, 480-483.	1.9	66
66	Nanoscale spectroscopy with polarized X-rays by NEXAFS-TXM. <i>Nature Photonics</i> , 2012, 6, 25-29.	31.4	106
67	Towards an atlas of mammalian cell ultrastructure by cryo soft X-ray tomography. <i>Journal of Structural Biology</i> , 2012, 177, 179-192.	2.8	57
68	Cryo X-ray nano-tomography of vaccinia virus infected cells. <i>Journal of Structural Biology</i> , 2012, 177, 202-211.	2.8	70
69	Correlative VIS-fluorescence and soft X-ray cryo-microscopy/tomography of adherent cells. <i>Journal of Structural Biology</i> , 2012, 177, 193-201.	2.8	98
70	Cryo X-ray microscope with flat sample geometry for correlative fluorescence and nanoscale tomographic imaging. <i>Journal of Structural Biology</i> , 2012, 177, 212-223.	2.8	103
71	3D Ultrastructural Organization of Whole <i>Chlamydomonas reinhardtii</i> Cells Studied by Nanoscale Soft X-Ray Tomography. <i>PLoS ONE</i> , 2012, 7, e53293.	2.5	40
72	X-ray absorption spectroscopy by full-field X-ray microscopy of a thin graphite flake: Imaging and electronic structure via the carbon K-edge. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 345-350.	2.8	21

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73	Towards atomic resolution in sodium titanate nanotubes using near-edge X-ray-absorption fine-structure spectromicroscopy combined with multichannel multiple-scattering calculations. Beilstein Journal of Nanotechnology, 2012, 3, 789-797.	2.8	22
74	Structure and composition of myelinated axons: A multimodal synchrotron spectro-microscopy study. Journal of Structural Biology, 2011, 173, 202-212.	2.8	34
75	X-Ray Spectromicroscopy of Biomolecular Matter and Soils. , 2011, , .		1
76	TXM-NEXAFS of TiO[sub 2]-Based Nanostructures. AIP Conference Proceedings, 2011, , .	0.4	2
77	Soft X-Ray Microscopy at HZB: Zone Plate Development and Imaging Using the Third Order of Diffraction. , 2011, , .		8
78	Towards high diffraction efficiency zone plates for X-ray microscopy. Microelectronic Engineering, 2010, 87, 1557-1560.	2.4	15
79	Three-dimensional cellular ultrastructure resolved by X-ray microscopy. Nature Methods, 2010, 7, 985-987.	19.0	318
80	Dynamical X-ray Microscopy Study of Stress-Induced Voiding in Cu Interconnects. , 2009, , .		5
81	X-Ray Nano-Tomography at HZB. , 2009, , .		0
82	Cryo-X-ray tomography of vaccinia virus membranes and inner compartments. Journal of Structural Biology, 2009, 168, 234-239.	2.8	81
83	Stress-induced phenomena in nanosized copper interconnect structures studied by x-ray and electron microscopy. Journal of Applied Physics, 2009, 106, .	2.5	38
84	Ultrahigh-Resolution Soft-X-Ray Microscopy with Zone Plates in High Orders of Diffraction. Physical Review Letters, 2009, 103, 110801.	7.8	132
85	Ellipsoidal capillary as condenser for the BESSY full-field x-ray microscope. Journal of Physics: Conference Series, 2009, 186, 012064.	0.4	23
86	Energy-tunable full-field x-ray microscopy: Cryo-tomography and nano-spectroscopy with the new BESSY TXM. Journal of Physics: Conference Series, 2009, 186, 012041.	0.4	27
87	X-ray stereo microscopy for investigation of dynamics in soils. Journal of Physics: Conference Series, 2009, 186, 012104.	0.4	2
88	First Step Towards a Femtosecond VUV Microscope: Zone Plate Optics as Monochromator for High-Order Harmonics.. Springer Series in Chemical Physics, 2009, , 884-886.	0.2	0
89	X-ray spectromicroscopy with the scanning transmission X-ray microscope at BESSY II. Journal of Synchrotron Radiation, 2008, 15, 26-35.	2.4	17
90	Terminal contact elements of insect attachment devices studied by transmission X-ray microscopy. Journal of Experimental Biology, 2008, 211, 1958-1963.	1.7	48

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91	Selection of a single femtosecond high-order harmonic using a zone plate based monochromator. Journal of Applied Physics, 2008, 104, .	2.5	11
92	Microscopy and spectroscopy with X-rays for studies in the environmental sciences. Mineralogical Magazine, 2008, 72, 211-216.	1.4	11
93	X-Ray Microscopy at BESSY: From Nano-Tomography to Fs-Imaging. AIP Conference Proceedings, 2007, , .	0.4	9
94	Development of chemical-mechanical polished high-resolution zone plates. Journal of Vacuum Science & Technology B, 2007, 25, 1789.	1.3	4
95	Transmission X-ray microscopy of spider dragline silk. International Journal of Biological Macromolecules, 2007, 40, 87-95.	7.5	21
96	Soft X-ray Microscopy To Characterize Polyelectrolyte Assemblies. Journal of Physical Chemistry B, 2007, 111, 8388-8393.	2.6	21
97	Membrane Densification of Heated Polyelectrolyte Multilayer Capsules Characterized by Soft X-ray Microscopy. Advanced Materials, 2007, 19, 1331-1336.	21.0	43
98	Size-selective colloidal-gold localization in transmission X-ray microscopy. Journal of Microscopy, 2007, 225, 80-87.	1.8	5
99	X-ray Microscopy Studies of Electromigration in Advanced Copper Interconnects. AIP Conference Proceedings, 2006, , .	0.4	6
100	X-Ray Spectromicroscopy Studies in Environmental Sciences. Microscopy and Microanalysis, 2004, 10, 1032-1033.	0.4	0
101	X-ray microscopy at BESSY. Synchrotron Radiation News, 2003, 16, 3-10.	0.8	3
102	In situ X-ray Microscopy Studies of Electromigration in Copper Interconnects. AIP Conference Proceedings, 2003, , .	0.4	2
103	First results of the new scanning transmission X-ray microscope at BESSY-II. European Physical Journal Special Topics, 2003, 104, 95-98.	0.2	10
104	Concept and realization of the novel rotating condenser-monochromator at the Göttingen TXM at BESSY II. European Physical Journal Special Topics, 2003, 104, 273-276.	0.2	4
105	The transmission X-ray microscope at BESSY II. European Physical Journal Special Topics, 2003, 104, 85-90.	0.2	10
106	The magnetic transmission X-ray microscopy project at BESSY II. European Physical Journal Special Topics, 2003, 104, 91-94.	0.2	6
107	Multilayered magnetic nanostrips studied by transmission X-ray microscopy. European Physical Journal Special Topics, 2003, 104, 483-486.	0.2	0
108	Undulation instabilities in laterally structured magnetic multilayers. Journal of Applied Physics, 2002, 91, 7334.	2.5	6

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109	Transmission X-ray microscopy using X-ray magnetic circular dichroism. Applied Physics A: Materials Science and Processing, 2001, 73, 697-701.	2.3	11
110	Instrumentation advances with the new X-ray microscopes at BESSY II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 849-852.	1.6	15
111	A rotating condenser and off-axis zone plate monochromator for the TXM at the undulator U41 at BESSY II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 857-860.	1.6	10
112	Construction of a scanning transmission X-ray microscope at the undulator U-41 at BESSY II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 861-863.	1.6	7
113	Tomographic imaging of biological specimens with the cryo transmission X-ray microscope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 1308-1311.	1.6	21
114	Magnetization reversal of a multilayered FeGd dot array imaged by transmission x-ray microscopy. Journal of Applied Physics, 2001, 89, 7162-7164.	2.5	13
115	Quantitative imaging of magnetization reversal in FeGd multilayers by magnetic transmission x-ray microscopy. Journal of Applied Physics, 2000, 87, 6478-6480.	2.5	14
116	Microscopy of thin polymer blend films of polystyrene and poly-n-butyl-methacrylate. AIP Conference Proceedings, 2000, , .	0.4	5
117	The condenser-monochromator with dynamical aperture synthesis for the TXM at an undulator beamline at BESSY II. AIP Conference Proceedings, 2000, , .	0.4	8
118	Computed tomography of cryogenic biological specimens based on X-ray microscopic images. Ultramicroscopy, 2000, 84, 185-197.	1.9	259
119	Imaging magnetic structures with a transmission X-ray microscope. AIP Conference Proceedings, 2000, , .	0.4	3
120	Application of X-ray microscopy in food science investigation of high pressure affected bacterial spores. AIP Conference Proceedings, 2000, , .	0.4	0
121	Imaging of sub-100-nm magnetic domains in atomically stacked Fe(001)/Au(001) multilayers. Journal of Applied Physics, 2000, 87, 6481-6483.	2.5	7
122	Tomographic imaging of cryogenic biological specimens with the X-ray microscope at BESSY I. AIP Conference Proceedings, 2000, , .	0.4	3
123	The new scanning transmission X-ray microscope at BESSY II. AIP Conference Proceedings, 2000, , .	0.4	13
124	X-ray microimaging of cisplatin distribution in ovarian cancer cells. AIP Conference Proceedings, 2000, , .	0.4	0
125	Visualization of 30 nm structures in frozen-hydrated biological samples by cryo transmission X-ray microscopy. AIP Conference Proceedings, 2000, , .	0.4	2
126	Morphological studies of human sperm using the Aarhus X-ray microscope. AIP Conference Proceedings, 2000, , .	0.4	0

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127	X-ray microscopes at BESSY II. AIP Conference Proceedings, 2000, , .	0.4	4
128	Magnetic Domain Imaging with a Transmission X-ray Microscope. Journal of the Magnetism Society of Japan, 1999, 23, S1_205-208.	0.4	5
129	Thermally driven shape instabilities of Nb/Cu multilayer structures: instability of Nb/Cu multilayers. Thin Solid Films, 1999, 353, 33-39.	1.8	33
130	X-ray magnetic circular dichroism used to image magnetic domains. Journal of Synchrotron Radiation, 1999, 6, 688-690.	2.4	2
131	Magnetic domain imaging with a transmission X-ray microscope. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 624-627.	2.3	16
132	Magnetic transmission X-ray microscopy: imaging magnetic domains via the X-ray magnetic circular dichroism. Journal of Alloys and Compounds, 1999, 286, 20-25.	5.5	14
133	X-ray microscopy of human spermatozoa shows change of mitochondrial morphology after capacitation. Human Reproduction, 1999, 14, 880-884.	0.9	28
134	Studies on intracellular structures of COS cells by X-ray microscopy. Journal of Synchrotron Radiation, 1998, 5, 1105-1107.	2.4	5
135	Visualization of Cytoskeletal Elements in the Transmission X-ray Microscope. Journal of Structural Biology, 1998, 123, 72-82.	2.8	15
136	Imaging of magnetic domains by transmission x-ray microscopy. Journal Physics D: Applied Physics, 1998, 31, 649-655.	2.8	67
137	<title>Low-temperature x-ray microscopy of biological samples in amplitude and phase contrast</title>. , 1998, 3449, 2.		1
138	The X-Ray Microscopy Project at BESSY II. , 1998, , 55-64.		1
139	Imaging of magnetic domains with the X-ray microscope at BESSY using X-ray magnetic circular dichroism. Zeitschrift für Physik B-Condensed Matter, 1997, 101, 313-316.	1.1	104
140	Transmission X-ray microscopy of intact hydrated PtK2 cells during the cell cycle. Journal of Microscopy, 1997, 188, 125-135.	1.8	21
141	X-Ray Microscopy with X-Ray Magnetic Circular Dichroism. European Physical Journal Special Topics, 1997, 7, C2-467-C2-468.	0.2	1
142	Röntgenmikroskopie. Die Naturwissenschaften, 1996, 83, 61-70.	1.6	34
143	Observation of the internal membrane system of COS cells by X-ray microscopy. Journal of Electron Spectroscopy and Related Phenomena, 1996, 80, 369-372.	1.7	2
144	Imaging of magnetic domains at BESSY. Synchrotron Radiation News, 1996, 9, 35-39.	0.8	5

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145	Röntgenmikroskopie. Die Naturwissenschaften, 1996, 83, 61-70.	1.6	2
146	Cryo X-ray microscopy. Synchrotron Radiation News, 1995, 8, 19-28.	0.8	78
147	Phase contrast studies of biological specimens with the x-ray microscope at BESSY (invited). Review of Scientific Instruments, 1995, 66, 1282-1286.	1.3	138
148	X-ray microscopy studies of aqueous colloid systems. , 1994, , 135-138.		10
149	Direct imaging of aggregates in aqueous clay-suspensions by x-ray microscopy. , 1994, , 139-142.		10
150	<title>X-ray microscopy studies with the Goettingen x-ray microscopes</title>. , 1993, , .		4
151	<title>Thinned back-illuminated CCD for x-ray microscopy</title>. , 1993, , .		3
152	Electron beam generated phase zone plates with 30 nm zonewidth for high resolution X-ray microscopy. Journal of Optics, 1992, 23, 255-258.	0.3	17
153	Röntgenmikroskopie zur Untersuchung von wässrigen biologischen und kolloidchemischen Systemen. Nachrichten Aus Der Chemie, 1992, 40, 562-563.	0.0	8
154	Investigations of Wet Biological Specimens with the X-Ray Microscope at BESSY. Springer Series in Optical Sciences, 1992, , 392-396.	0.7	6
155	X-Ray Microscopy Investigations on Polytene Chromosomes Isolated from Salivary Glands of Chironomus thummi Larvae. Springer Series in Optical Sciences, 1992, , 404-407.	0.7	4
156	Behavior of amorphous semiconductors As ₂ S ₃ layers after photon, electron, or x-ray exposures. , 1991, 1361, 999.		2
157	Registration of soft x radiation in As ₂ S ₃ layers. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1991, 9, 1939.	1.6	1
158	Imaging zone plates for x-ray microscopy fabricated by electron-beam lithography. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1988, 6, 323.	1.6	4
159	Electron Beam Lithography And Nanometer Structures: Fabrication Of Microzone Plates. Optical Engineering, 1988, 27, .	1.0	2
160	X-ray Microscopy Experiments with Synchrotron Radiation - State of the Art and Expected Developments. Physica Scripta, 1987, T17, 201-203.	2.5	1
161	X-ray microscope images with Fresnel zone plates fabricated by electron beam nanolithography. Microelectronic Engineering, 1987, 6, 565-570.	2.4	4
162	X-ray microscopy with synchrotron radiation at the electron storage ring BESSY in Berlin. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 246, 675-680.	1.6	14

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163	X-ray microscopy: experimental results with the Göttingen X-ray microscope at the electron storage ring BESSY in Berlin. Journal of Microscopy, 1985, 138, 279-284.	1.8	10
164	Construction of a Micro Zone Plate and Evaluation of Imaging Properties. Springer Series in Optical Sciences, 1984, , 75-90.	0.7	13
165	Zone Plates for X-Ray Microscopy. Springer Series in Optical Sciences, 1984, , 63-74.	0.7	52
166	Imaging of Magnetic Domains with the Transmission X-Ray Microscope at Bessy I. , 0, , .		0