

# Dean Chapman

## List of Publications by Year in Descending Order

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

137  
papers

3,622  
citations

27  
h-index

58  
g-index

148  
ext. papers

4,094  
ext. citations

2.9  
avg, IF

4.99  
L-index

#	Paper	IF	Citations
137	Developing a Microbubble-Based Contrast Agent for Synchrotron In-Line Phase Contrast Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2021</b> , 68, 1527-1535	5	1
136	Bent Laue crystal anatomy: new insights into focusing and energy-dispersion properties. <i>Journal of Applied Crystallography</i> , <b>2021</b> , 54, 409-426	3.8	1
135	An Introduction to High Intensity Focused Ultrasound: Systematic Review on Principles, Devices, and Clinical Applications. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	71
134	Source size measurement options for low-emittance light sources. <i>Physical Review Accelerators and Beams</i> , <b>2020</b> , 23,	1.8	1
133	X-ray Spectral Imaging Program: XSIP. <i>Journal of Synchrotron Radiation</i> , <b>2020</b> , 27, 1734-1740	2.4	
132	Nebulized hypertonic saline triggers nervous system-mediated active liquid secretion in cystic fibrosis swine trachea. <i>Scientific Reports</i> , <b>2019</b> , 9, 540	4.9	7
131	X-ray induced Sm-ion valence conversion in Sm-ion implanted fluoroaluminate glasses towards high-dose radiation measurement. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 16740-16746	2.1	2
130	Biodistribution of strontium and barium in the developing and mature skeleton of rats. <i>Journal of Bone and Mineral Metabolism</i> , <b>2019</b> , 37, 385-398	2.9	10
129	Optimization of a phase-space beam position and size monitor for low-emittance light sources. <i>Journal of Synchrotron Radiation</i> , <b>2019</b> , 26, 1863-1871	2.4	4
128	Focusing and energy dispersion properties of a cylindrically bent asymmetric Laue crystal <b>2019</b> ,		1
127	A real-time phase-space beam emittance monitoring system. <i>Journal of Synchrotron Radiation</i> , <b>2019</b> , 26, 1213-1219	2.4	4
126	Application of a phase space beam position and size monitor for synchrotron radiation source characterization. <i>Physical Review Accelerators and Beams</i> , <b>2019</b> , 22,	1.8	1
125	Wide field imaging energy dispersive X-ray absorption spectroscopy. <i>Scientific Reports</i> , <b>2019</b> , 9, 17734	4.9	4
124	Ultrasound Cavitation/Microbubble Detection and Medical Applications. <i>Journal of Medical and Biological Engineering</i> , <b>2019</b> , 39, 259-276	2.2	25
123	UV-Assisted 3D Bioprinting of Nanoreinforced Hybrid Cardiac Patch for Myocardial Tissue Engineering. <i>Tissue Engineering - Part C: Methods</i> , <b>2018</b> , 24, 74-88	2.9	124
122	High-power-load DCLM monochromator for a computed tomography program at BMIT at energies of 25-150 keV. <i>Journal of Synchrotron Radiation</i> , <b>2018</b> , 25, 1548-1555	2.4	
121	Crossover artifact in X-ray focusing imaging systems: K-edge subtraction imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2018</b> , 910, 26-34	1.2	

120	Mechanical and Biological Effects of Ultrasound: A Review of Present Knowledge. <i>Ultrasound in Medicine and Biology</i> , <b>2017</b> , 43, 1085-1104	3.5	117
119	Cystic fibrosis swine fail to secrete airway surface liquid in response to inhalation of pathogens. <i>Nature Communications</i> , <b>2017</b> , 8, 786	17.4	18
118	Potential of propagation-based synchrotron X-ray phase-contrast computed tomography for cardiac tissue engineering. <i>Journal of Synchrotron Radiation</i> , <b>2017</b> , 24, 842-853	2.4	5
117	Bioprinting Pattern-Dependent Electrical/Mechanical Behavior of Cardiac Alginate Implants: Characterization and Ex Vivo Phase-Contrast Microtomography Assessment. <i>Tissue Engineering - Part C: Methods</i> , <b>2017</b> , 23, 548-564	2.9	23
116	Respiratory-gated KES imaging of a rat model of acute lung injury at the Canadian Light Source. <i>Journal of Synchrotron Radiation</i> , <b>2017</b> , 24, 679-685	2.4	6
115	Characterization of a bent Laue double-crystal beam-expanding monochromator. <i>Journal of Synchrotron Radiation</i> , <b>2017</b> , 24, 1146-1151	2.4	5
114	Multiple image x-radiography for functional lung imaging. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 63, 015009	3.9	3
113	Multiple energy synchrotron biomedical imaging system. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 8180-8198	3.898	10
112	Spectral K-edge subtraction imaging of experimental non-radioactive barium uptake in bone. <i>Physica Medica</i> , <b>2016</b> , 32, 1765-1770	2.7	7
111	Three-dimensional labeling of newly formed bone using synchrotron radiation barium K-edge subtraction imaging. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 5077-5088	3.8	8
110	Low-dose phase-based X-ray imaging techniques for in situ soft tissue engineering assessments. <i>Biomaterials</i> , <b>2016</b> , 82, 151-67	15.6	27
109	Measuring the criticality of the magic condition for a beam-expanding monochromator. <i>Journal of Synchrotron Radiation</i> , <b>2016</b> , 23, 1498-1500	2.4	
108	25+2 poles, 4.3 T wiggler at BMIT 17 years operational experience <b>2016</b> ,		1
107	An energy dispersive bent Laue monochromator for K-edge subtraction imaging <b>2016</b> ,		3
106	A monochromatic x-ray irradiation system for in vitro studies at synchrotron beamlines. <i>Biomedical Physics and Engineering Express</i> , <b>2016</b> , 2, 055001	1.5	
105	Data of low-dose phase-based X-ray imaging for in situ soft tissue engineering assessments. <i>Data in Brief</i> , <b>2016</b> , 6, 644-51	1.2	1
104	BMIT facility at the Canadian Light Source: Advances in X-ray phase-sensitive imaging. <i>Physica Medica</i> , <b>2016</b> , 32, 1753-1758	2.7	4
103	Phase-preserving beam expander for biomedical X-ray imaging. <i>Journal of Synchrotron Radiation</i> , <b>2015</b> , 22, 801-6	2.4	12

102	Synchrotron radiation shielding design and ICRP radiological protection quantities. <i>Journal of Radiological Protection</i> , <b>2015</b> , 35, 383-90	1.2	
101	4 Years of X-ray Imaging at 05B1-1 Beamline at BMIT. <i>IFMBE Proceedings</i> , <b>2015</b> , 162-165	0.2	
100	Multiple Energy Synchrotron Biomedical Imaging System- Preliminary Results. <i>IFMBE Proceedings</i> , <b>2015</b> , 248-251	0.2	2
99	Beamlines of the biomedical imaging and therapy facility at the Canadian light source [part 3. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2015</b> , 775, 1-4	1.2	36
98	Biomedical Imaging Using Synchrotron Radiation: Experience at the Biomedical Imaging and Therapy (BMIT) Facility at the Canadian Light Source. <i>Synchrotron Radiation News</i> , <b>2015</b> , 28, 16-23	0.6	4
97	Application of analyzer based X-ray imaging technique for detection of ultrasound induced cavitation bubbles from a physical therapy unit. <i>BioMedical Engineering OnLine</i> , <b>2015</b> , 14, 91	4.1	8
96	Small and Ultra-Small Angle X-Ray Scattering Contrast Obtained With a Synchrotron-Based ShackHartmann Imaging System. <i>IEEE Transactions on Nuclear Science</i> , <b>2015</b> , 62, 2031-2035	1.7	
95	Diffraction-Enhanced Computed Tomographic Imaging of Growing Piglet Joints by Using a Synchrotron Light Source. <i>Comparative Medicine</i> , <b>2015</b> , 65, 342-7	1.6	3
94	A phase-space beam position monitor for synchrotron radiation. <i>Journal of Synchrotron Radiation</i> , <b>2015</b> , 22, 946-55	2.4	5
93	Design of a mouse restraint for synchrotron-based computed tomography imaging. <i>Journal of Synchrotron Radiation</i> , <b>2015</b> , 22, 1297-300	2.4	
92	Spectral K-edge subtraction imaging. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 2485-503	3.8	24
91	Samarium-Doped Oxyfluoride Glass-Ceramic as a New Fast Erasable Dosimetric Detector Material for Microbeam Radiation Cancer Therapy Applications at the Canadian Synchrotron. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 2147-2153	3.8	50
90	Supplemental shielding of BMIT SOE-1 at the Canadian Light Source. <i>Radiation Physics and Chemistry</i> , <b>2014</b> , 100, 8-12	2.5	1
89	Visualization of ultrasound induced cavitation bubbles using the synchrotron x-ray Analyzer Based Imaging technique. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 7541-55	3.8	6
88	<i>Pseudomonas aeruginosa</i> triggers CFTR-mediated airway surface liquid secretion in swine trachea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 12930-5	11.5	24
87	Diffraction-enhanced Synchrotron Imaging of Bovine Ovaries Ex Vivo. <i>Journal of Medical Imaging and Radiation Sciences</i> , <b>2014</b> , 45, 307-315	1.4	1
86	Development of a bent Laue beam-expanding double-crystal monochromator for biomedical X-ray imaging. <i>Journal of Synchrotron Radiation</i> , <b>2014</b> , 21, 479-83	2.4	8
85	Ring artifacts removal from synchrotron CT image slices. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, C06006-C06006		15

84	Understanding refraction contrast using a comparison of absorption and refraction computed tomographic techniques. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, C05004-C05004	1	1
83	Human factors design for the BMIT biomedical beamlines. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 425, 022005	0.3	0
82	A novel beam width doubling double crystal monochromator -some preliminary findings. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 425, 052010	0.3	
81	Beamlines of the Biomedical Imaging and Therapy Facility at the Canadian Light Source - Part 2. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 425, 072013	0.3	15
80	A Novel Analyzer Control System for Diffraction Enhanced Imaging. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 425, 022003	0.3	1
79	Diffraction enhanced imaging computed tomography (DEI-CT) at the BMIT facility at the Canadian Light Source. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, C08002-C08002	1	
78	Stable Expression of the Sodium Iodide Symporter (NIS) in Metastatic Cancer Cells: A Novel Imaging Tool. <i>FASEB Journal</i> , <b>2013</b> , 27, 1145.3	0.9	
77	A median-Gaussian filtering framework for Moiré pattern noise removal from X-ray microscopy image. <i>Micron</i> , <b>2012</b> , 43, 170-6	2.3	35
76	X-ray induced Sm <sup>3+</sup> to Sm <sup>2+</sup> conversion in fluorophosphate and fluoroaluminate glasses for the monitoring of high-doses in microbeam radiation therapy. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 073108	2.5	38
75	X-ray diffraction enhanced imaging as a novel method to visualize low-density scaffolds in soft tissue engineering. <i>Tissue Engineering - Part C: Methods</i> , <b>2011</b> , 17, 1071-80	2.9	27
74	Set of measurements for alignment of beamline components. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 649, 225-227	1.2	4
73	Valency conversion of samarium ions under high dose synchrotron generated X-ray radiation. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 2822-2825		42
72	Biochemical and physiological weaknesses associated with the pathogenesis of femoral bone degeneration in broiler chickens. <i>Avian Pathology</i> , <b>2011</b> , 40, 639-50	2.4	22
71	Diffraction enhanced X-ray imaging of the distal radius: a novel approach for visualization of trabecular bone architecture. <i>Canadian Association of Radiologists Journal</i> , <b>2011</b> , 62, 251-5	3.9	12
70	Radiation shielding study against gas bremsstrahlung for the BMIT POE3 at the Canadian light source. <i>Radiation Physics and Chemistry</i> , <b>2011</b> , 80, 716-722	2.5	2
69	Spatially resolved measurement of high doses in microbeam radiation therapy using samarium doped fluorophosphate glasses. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 121105	3.4	69
68	Preliminary Bone Imaging on 05B1-1 Beamline at the Canadian Light Source: Exploration of Diffraction Enhanced Imaging. <i>Synchrotron Radiation News</i> , <b>2011</b> , 24, 13-18	0.6	1
67	Angiostatin (ANG) Inhibits Acute Lung Inflammation in Mice. <i>FASEB Journal</i> , <b>2011</b> , 25, 300.3	0.9	

66	Development of an x-ray prism for analyzer based imaging systems. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 085108	1.7	5
65	A Brief Review of Visualization Techniques for Nerve Tissue Engineering Applications. <i>Journal of Biomimetics, Biomaterials, and Tissue Engineering</i> , <b>2010</b> , 7, 81-99		4
64	The design and application of an in-laboratory diffraction-enhanced x-ray imaging instrument. <i>Review of Scientific Instruments</i> , <b>2009</b> , 80, 093702	1.7	38
63	Design and implementation of a compact low-dose diffraction enhanced medical imaging system. <i>Academic Radiology</i> , <b>2009</b> , 16, 911-7	4.3	72
62	Probing Alzheimer's Disease Pathology and Early Detection at the NSLS with Infrared, XRF, and DEI. <i>Synchrotron Radiation News</i> , <b>2008</b> , 21, 11-16	0.6	2
61	Development of a combined K-edge subtraction and fluorescence subtraction imaging system for small animals. <i>Review of Scientific Instruments</i> , <b>2008</b> , 79, 085102	1.7	3
60	Diffraction-Enhanced Imaging <b>2008</b> , 119-125		
59	Radiological considerations for POE-1 photon shutters, collimators and beam stops of the Biomedical Imaging and Therapy beamline at the Canadian Light Source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2008</b> , 585, 1-11	1.2	3
58	Alternative method of diffraction-enhanced imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2008</b> , 584, 424-427 <sup>1.2</sup>		7
57	Field flatteners fabricated with a rapid prototyper for K-edge subtraction imaging of small animals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2008</b> , 588, 442-447	1.2	
56	Comparison of iodine K-edge subtraction and fluorescence subtraction imaging in an animal system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2008</b> , 594, 283-291	1.2	3
55	Diffraction-enhanced imaging of a porcine eye. <i>Canadian Journal of Ophthalmology</i> , <b>2007</b> , 42, 731-3	1.4	10
54	Beamlines of the biomedical imaging and therapy facility at the Canadian light source Part 1. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2007</b> , 582, 73-76	1.2	75
53	Compositional images from the Diffraction Enhanced Imaging technique. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2007</b> , 572, 953-957	1.2	7
52	Fabrication of a small animal restraint for synchrotron biomedical imaging using a rapid prototyper. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2007</b> , 582, 229-232	1.2	3
51	Crystal tilt error and its correction in diffraction enhanced imaging system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2007</b> , 572, 961-970	1.2	1
50	Non-destructive diffraction enhanced imaging of seeds. <i>Journal of Experimental Botany</i> , <b>2007</b> , 58, 2513-23		16
49	X-ray optics for emission line X-ray source diffraction enhanced systems. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2006</b> , 562, 461-467	1.2	8

48	Computation of mass-density images from x-ray refraction-angle images. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 1769-78	3.8	23
47	Progress in multiple-image radiography <b>2006</b> , 6065, 256		
46	A physical model of multiple-image radiography. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 221-36	3.8	81
45	Po-Thur Eve General-25: Development of a Tissue Sample Analysis System Using Diffraction Enhanced Imaging and Small and Wide Angle Scattering. <i>Medical Physics</i> , <b>2006</b> , 33, 2665-2665	4.4	
44	Application of the Multiple Image Radiography Method to Breast Imaging. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 289-298	0.9	2
43	Diffraction-enhanced imaging of the rat spine. <i>Canadian Association of Radiologists Journal</i> , <b>2006</b> , 57, 204-10	3.9	13
42	Synchrotron supported DEI/KES of a brain tumor in an animal model: The search for a microimaging modality. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2005</b> , 548, 106-110	1.2	4
41	Recent advances in synchrotron radiation medical research. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2005</b> , 543, 288-296	1.2	27
40	Absorption edge subtraction imaging for volumetric measurement in an animal model of malignant brain tumor. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2005</b> , 548, 88-93	1.2	4
39	Mass density images from the diffraction enhanced imaging technique. <i>Medical Physics</i> , <b>2005</b> , 32, 549-524.4		18
38	A device for selecting and rejecting X-ray harmonics in synchrotron radiation beams. <i>Journal of Synchrotron Radiation</i> , <b>2004</b> , 11, 393-8	2.4	4
37	A preliminary study of multiple-image computed tomography <b>2004</b> ,		4
36	Multiple-image radiography. <i>Physics in Medicine and Biology</i> , <b>2003</b> , 48, 3875-95	3.8	180
35	Radiography of rabbit articular cartilage with diffraction-enhanced imaging. <i>The Anatomical Record</i> , <b>2003</b> , 272, 392-7		36
34	Extraction of extinction, refraction and absorption properties in diffraction enhanced imaging. <i>Journal Physics D: Applied Physics</i> , <b>2003</b> , 36, 2152-2156	3	103
33	Diffraction-enhanced X-ray imaging of articular cartilage. <i>Osteoarthritis and Cartilage</i> , <b>2002</b> , 10, 163-71	6.2	134
32	Single-exposure simultaneous diffraction-enhanced imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2002</b> , 492, 236-240	1.2	3
31	Diffraction enhanced imaging contrast mechanisms in breast cancer specimens. <i>Medical Physics</i> , <b>2002</b> , 29, 2216-21	4.4	47

30	Application of absorption and refraction matching techniques for diffraction enhanced imaging. <i>Review of Scientific Instruments</i> , <b>2002</b> , 73, 1657-1659	1.7	11
29	A novel method of bending crystals to log spiral shape. <i>Review of Scientific Instruments</i> , <b>2002</b> , 73, 1534-1536		9
28	Diffraction enhanced imaging of soft tissues. <i>Synchrotron Radiation News</i> , <b>2002</b> , 15, 27-34	0.6	5
27	Diffraction enhanced x-ray imaging of articular cartilage <b>2002</b> , 351-354		2
26	Producing parallel x rays with a bent-crystal monochromator and an x-ray tube. <i>Medical Physics</i> , <b>2001</b> , 28, 1931-6	4.4	5
25	Implementation of diffraction-enhanced imaging experiments: at the NSLS and APS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2000</b> , 450, 556-567	1.2	129
24	Human breast cancer specimens: diffraction-enhanced imaging with histologic correlation--improved conspicuity of lesion detail compared with digital radiography. <i>Radiology</i> , <b>2000</b> , 214, 895-901	20.5	174
23	Bronchial imaging in humans using xenon K-edge dichromography. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1998</b> , 406, 473-478	1.2	23
22	Diffraction enhanced imaging applied to materials science and medicine. <i>Synchrotron Radiation News</i> , <b>1998</b> , 11, 4-11	0.6	15
21	Medical applications of diffraction enhanced imaging. <i>Breast Disease</i> , <b>1998</b> , 10, 197-207	1.6	40
20	Monochromatic energy-subtraction radiography using a rotating anode source and a bent Laue monochromator. <i>Physics in Medicine and Biology</i> , <b>1997</b> , 42, 1751-62	3.8	21
19	Diffraction enhanced x-ray imaging. <i>Physics in Medicine and Biology</i> , <b>1997</b> , 42, 2015-25	3.8	901
18	The concept of spatial frequency depending DQE and its application to a comparison of two detectors used in transvenous coronary angiography. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1997</b> , 398, 351-367	1.2	16
17	A High-Energy Monochromatic Laue (MonoLaue) X-ray Diffuse Scattering Study of KMnF <sub>3</sub> using an Image Plate. <i>Journal of Applied Crystallography</i> , <b>1997</b> , 30, 16-20	3.8	10
16	Mammographic phantom studies with synchrotron radiation. <i>Radiology</i> , <b>1996</b> , 200, 659-63	20.5	61
15	Mammography imaging studies using a Laue crystal analyzer. <i>Review of Scientific Instruments</i> , <b>1996</b> , 67, 3360-3360	1.7	36
14	NSLS transvenous coronary angiography beamline upgrade and advanced technology initiatives. <i>Review of Scientific Instruments</i> , <b>1995</b> , 66, 1357-1360	1.7	5
13	Effects of spatial resolution and spectral purity on transvenous coronary angiography images. <i>Review of Scientific Instruments</i> , <b>1995</b> , 66, 1329-1331	1.7	7



12	pepo: A program for the calculation of the reflectivity of cylindrically bent Laue crystal monochromators. <i>Review of Scientific Instruments</i> , <b>1995</b> , 66, 2220-2223	1.7	21
11	A 1200 element detector system for synchrotron-based coronary angiography. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1994</b> , 347, 545-552	1.2	7
10	Test of a bent laue double crystal fixed exit monochromator. <i>Synchrotron Radiation News</i> , <b>1994</b> , 7, 8-11	0.6	7
9	A single crystal bent Laue monochromator for coronary angiography. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1993</b> , 336, 304-309	1.2	49
8	First operation of the medical research facility at the NSLS for coronary angiography. <i>Review of Scientific Instruments</i> , <b>1992</b> , 63, 625-628	1.7	68
7	Venous synchrotron coronary angiography. <i>Lancet, The</i> , <b>1991</b> , 337, 360	4.0	19
6	Performance evaluation of a bent Laue monochromator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1990</b> , 297, 268-274 <sup>1.2</sup>	1.2	14
5	PHOTON: A program for synchrotron radiation dose calculations. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1988</b> , 266, 191-194	1.2	20
4	The superconducting wiggler beamport at the National Synchrotron Light Source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1988</b> , 266, 226-233	1.2	26
3	Multiple-image computed tomography		2
2	Preliminary investigation of a multiple-image radiography method		8
1			3