

# Hilde Tc Bosmans

## 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.

229  
papers

4,419  
citations

37  
h-index

58  
g-index

247  
ext. papers

5,036  
ext. citations

3.5  
avg, IF

5.07  
L-index

#	Paper	IF	Citations
229	Experimental Evaluation of Physical Breast Phantoms for 2D and 3D Breast X-Ray Imaging Techniques. <i>IFMBE Proceedings</i> , <b>2021</b> , 544-552	0.2	2
228	Procurement, commissioning and QA of AI based solutions: An MPE's perspective on introducing AI in clinical practice. <i>Physica Medica</i> , <b>2021</b> , 83, 257-263	2.7	2
227	On the relevance of modulation transfer function measurements in digital mammography quality control. <i>Journal of Medical Imaging</i> , <b>2021</b> , 8, 023505	2.6	0
226	Artificial intelligence for detection of periapical lesions on intraoral radiographs: Comparison between convolutional neural networks and human observers. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2021</b> , 131, 610-616	2	7
225	Validation of a candidate instrument to assess image quality in digital mammography using ROC analysis. <i>European Journal of Radiology</i> , <b>2021</b> , 139, 109686	4.7	0
224	Development and content validity evaluation of a candidate instrument to assess image quality in digital mammography: A mixed-method study. <i>European Journal of Radiology</i> , <b>2021</b> , 134, 109464	4.7	
223	How does image quality affect radiologists' perceived ability for image interpretation and lesion detection in digital mammography?. <i>European Radiology</i> , <b>2021</b> , 31, 5335-5343	8	2
222	Methodology to create 3D models of COVID-19 pathologies for virtual clinical trials. <i>Journal of Medical Imaging</i> , <b>2021</b> , 8, 013501	2.6	1
221	Investigation of single-shot beam quality measurements using state of the art solid-state dosimeters for routine quality assurance applications in mammography. <i>Physica Medica</i> , <b>2021</b> , 88, 242-249	2.7	0
220	Radiomics software for breast imaging optimization and simulation studies. <i>Physica Medica</i> , <b>2021</b> , 89, 114-128	2.7	1
219	The impact on lesion detection via a multi-vendor study: A phantom-based comparison of digital mammography, digital breast tomosynthesis, and synthetic mammography. <i>Medical Physics</i> , <b>2021</b> , 48, 6270-6292	4.4	0
218	Novel phantom for performance evaluation of contrast-enhanced 3D rotational angiography. <i>Physica Medica</i> , <b>2021</b> , 90, 91-98	2.7	0
217	Verification of the accuracy of a hybrid breast imaging simulation framework for virtual clinical trial applications. <i>Journal of Medical Imaging</i> , <b>2020</b> , 7, 042804	2.6	3
216	Equivalent breast thickness and dose sensitivity of a next iteration 3D structured breast phantom with lesion models <b>2020</b> ,		2
215	Anthropomorphic Physical Breast Phantom Based on Patient Breast CT Data: Preliminary Results. <i>IFMBE Proceedings</i> , <b>2020</b> , 367-374	0.2	4
214	Survey of chest radiography systems: Any link between contrast detail measurements and visual grading analysis?. <i>Physica Medica</i> , <b>2020</b> , 76, 62-71	2.7	2
213	Models of breast lesions based on three-dimensional X-ray breast images. <i>Physica Medica</i> , <b>2019</b> , 57, 80-87	7.7	12

212	A statistical evaluation of eye-tracking data of screening mammography: Effects of expertise and experience on image reading. <i>Signal Processing: Image Communication</i> , <b>2019</b> , 78, 86-93	2.8	1
211	Development of breast lesions models database. <i>Physica Medica</i> , <b>2019</b> , 64, 293-303	2.7	12
210	The growing concern of radiation dose in paediatric dental and maxillofacial CBCT: an easy guide for daily practice. <i>European Radiology</i> , <b>2019</b> , 29, 7009-7018	8	20
209	Model and human observer reproducibility for detection of microcalcification clusters in digital breast tomosynthesis images of three-dimensionally structured test object. <i>Journal of Medical Imaging</i> , <b>2019</b> , 6, 015503	2.6	1
208	Systematic approach to a channelized Hotelling model observer implementation for a physical phantom containing mass-like lesions: Application to digital breast tomosynthesis. <i>Physica Medica</i> , <b>2019</b> , 58, 8-20	2.7	6
207	Mammography Dose Survey Using International Quality Standards. <i>Journal of Medical Imaging and Radiation Sciences</i> , <b>2019</b> , 50, 529-535	1.4	1
206	Task-based phantom evaluation of cardiac catheterization imaging modes. <i>Physica Medica</i> , <b>2018</b> , 46, 114-123	2.7	9
205	Visual grading analysis of digital neonatal chest phantom X-ray images: Impact of detector type, dose and image processing on image quality. <i>European Radiology</i> , <b>2018</b> , 28, 2951-2959	8	15
204	A new imaging technology to reduce the radiation dose during uterine fibroid embolization. <i>Acta Radiologica</i> , <b>2018</b> , 59, 1446-1450	2	4
203	EFOMP policy statement 16: The role and competences of medical physicists and medical physics experts under 2013/59/EURATOM. <i>Physica Medica</i> , <b>2018</b> , 48, 162-168	2.7	17
202	State of the Art: Eye-Tracking Studies in Medical Imaging. <i>IEEE Access</i> , <b>2018</b> , 6, 37023-37034	3.5	20
201	Suitability of low density materials for 3D printing of physical breast phantoms. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 175020	3.8	29
200	Two-step validation of a Monte Carlo dosimetry framework for general radiology. <i>Physica Medica</i> , <b>2018</b> , 53, 72-79	2.7	4
199	Characterization and validation of the thorax phantom Lungman for dose assessment in chest radiography optimization studies. <i>Journal of Medical Imaging</i> , <b>2018</b> , 5, 013504	2.6	4
198	Accurate centroid determination for evaluating the modulation transfer function with a circular edge in CT images <b>2018</b> ,		1
197	Minimizing the scatter contribution and spatial spread due to the absorption grating G2 in grating-based phase-contrast imaging <b>2018</b> ,		1
196	First results with a deep learning (feed-forward CNN) approach for daily quality control in digital breast tomosynthesis <b>2018</b> ,		2
195	Model and human observer reproducibility for detecting microcalcifications in digital breast tomosynthesis images <b>2018</b> ,		2

194	Performance evaluation of a 3D structured phantom with simulated lesions on breast imaging systems <b>2018</b> ,		1
193	[OA216] Development of breast tumours models database. <i>Physica Medica</i> , <b>2018</b> , 52, 82	2.7	1
192	Translation from murine to human lung imaging using x-ray dark field radiography: A simulation study. <i>PLoS ONE</i> , <b>2018</b> , 13, e0206302	3.7	3
191	Determination of size-specific exposure settings in dental cone-beam CT. <i>European Radiology</i> , <b>2017</b> , 27, 279-285	8	17
190	Comparing different methods for estimating radiation dose to the conceptus. <i>European Radiology</i> , <b>2017</b> , 27, 851-858	8	5
189	Spatial and contrast resolution of ultralow dose dentomaxillofacial CT imaging using iterative reconstruction technology. <i>Dentomaxillofacial Radiology</i> , <b>2017</b> , 46, 20160452	3.9	19
188	Detectability of artificial lesions in anthropomorphic virtual breast phantoms of variable glandular fraction <b>2017</b> ,		1
187	Characterisation of noise and sharpness of images from four digital breast tomosynthesis systems for simulation of images for virtual clinical trials. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 2376-2397	3.8	24
186	Evaluation of a breast software model for 2D and 3D X-ray imaging studies of the breast. <i>Physica Medica</i> , <b>2017</b> , 41, 78-86	2.7	12
185	Do we need 3D tube current modulation information for accurate organ dosimetry in chest CT? Protocols dose comparisons. <i>European Radiology</i> , <b>2017</b> , 27, 4490-4497	8	3
184	Two examples of indication specific radiation dose calculations in dental CBCT and Multidetector CT scanners. <i>Physica Medica</i> , <b>2017</b> , 41, 71-77	2.7	26
183	Development of a paediatric head voxel model database for dosimetric applications. <i>British Journal of Radiology</i> , <b>2017</b> , 90, 20170051	3.4	6
182	Real space channelization for generic DBT system image quality evaluation with channelized Hotelling observer <b>2017</b> ,		3
181	Clinical indications and radiation doses to the conceptus associated with CT imaging in pregnancy: a retrospective study. <i>European Radiology</i> , <b>2016</b> , 26, 979-85	8	13
180	Breast tomosynthesis using the multiple projection algorithm adapted for stationary detectors. <i>Journal of X-Ray Science and Technology</i> , <b>2016</b> , 24, 23-41	2.1	3
179	A four-alternative forced choice (4AFC) software for observer performance evaluation in radiology <b>2016</b> ,		5
178	RADIATION PROTECTION CABIN FOR CATHETER-DIRECTED LIVER INTERVENTIONS: OPERATOR DOSE ASSESSMENT. <i>Radiation Protection Dosimetry</i> , <b>2016</b> , 170, 274-8	0.9	1
177	INDIVIDUALISED CALCULATION OF TISSUE IMPARTED ENERGY IN BREAST TOMOSYNTHESIS. <i>Radiation Protection Dosimetry</i> , <b>2016</b> , 169, 267-73	0.9	1

176	Improving the Quality of Optimisation Studies Undertaken in Mammography and General Radiology Using High Level Blended Teaching. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 75-82	0.9	
175	Development and application of a channelized Hotelling observer for DBT optimization on structured background test images with mass simulating targets <b>2016</b> ,		2
174	Performance evaluation of a retrofit digital detector-based mammography system. <i>Physica Medica</i> , <b>2016</b> , 32, 312-22	2.7	1
173	SIMULATING LOCAL DENSE AREAS USING PMMA TO ASSESS AUTOMATIC EXPOSURE CONTROL IN DIGITAL MAMMOGRAPHY. <i>Radiation Protection Dosimetry</i> , <b>2016</b> , 169, 143-50	0.9	1
172	CUSTOMISATION OF A MONTE CARLO DOSIMETRY TOOL FOR DENTAL CONE-BEAM CT SYSTEMS. <i>Radiation Protection Dosimetry</i> , <b>2016</b> , 169, 378-85	0.9	15
171	Reduction of scatter-induced image noise in cone beam computed tomography: effect of field of view size and position. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2016</b> , 121, 188-95 <sup>2</sup>		32
170	Impact of Clinical Display Device on Detectability of Breast Masses in 2D Digital Mammography: A Virtual Clinical Study. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 676-683	0.9	1
169	Grid-Less Imaging with Anti-scatter Correction Software in 2D Mammography: A JAFROC Study Using Simulated Lesions. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 234-242	0.9	
168	Towards a Phantom for Multimodality Performance Evaluation of Breast Imaging: A 3D Structured Phantom with Simulated Lesions Tested for 2D Digital Mammography. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 243-253	0.9	
167	Impact of compressed breast thickness and dose on lesion detectability in digital mammography: FROC study with simulated lesions in real mammograms. <i>Medical Physics</i> , <b>2016</b> , 43, 5104	4.4	6
166	Design of a model observer to evaluate calcification detectability in breast tomosynthesis and application to smoothing prior optimization. <i>Medical Physics</i> , <b>2016</b> , 43, 6577	4.4	11
165	Ultralow dose dentomaxillofacial CT imaging and iterative reconstruction techniques: variability of Hounsfield units and contrast-to-noise ratio. <i>British Journal of Radiology</i> , <b>2016</b> , 89, 20151055	3.4	13
164	Grid-less imaging with antiscatter correction software in 2D mammography: the effects on image quality and MGD under a partial virtual clinical validation study <b>2016</b> ,		2
163	Getting started with protocol for quality assurance of digital mammography in the clinical centre of Montenegro. <i>Radiation Protection Dosimetry</i> , <b>2015</b> , 165, 363-8	0.9	
162	Evaluation of automated CDMAM readings for non-standard CDMAM imaging conditions: grid-less acquisitions and scatter correction. <i>Radiation Protection Dosimetry</i> , <b>2015</b> , 165, 350-3	0.9	6
161	Comparison of digital breast tomosynthesis and 2D digital mammography using a hybrid performance test. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 3939-58	3.8	14
160	Effective dose and organ doses estimation taking tube current modulation into account with a commercial software package. <i>European Radiology</i> , <b>2015</b> , 25, 1919-25	8	3
159	Evaluation of exposure in mammography: limitations of average glandular dose and proposal of a new quantity. <i>Radiation Protection Dosimetry</i> , <b>2015</b> , 165, 342-5	0.9	11

158	Optimization of dental CBCT exposures through mAs reduction. <i>Dentomaxillofacial Radiology</i> , <b>2015</b> , 44, 20150108	3.9	53
157	Tailoring automatic exposure control toward constant detectability in digital mammography. <i>Medical Physics</i> , <b>2015</b> , 42, 3834-47	4.4	19
156	EUTEMPE-RX, an EC supported FP7 project for the training and education of medical physics experts in radiology. <i>Radiation Protection Dosimetry</i> , <b>2015</b> , 165, 518-22	0.9	5
155	Optimization of dose and image quality of paediatric cardiac catheterization procedure. <i>Physica Medica</i> , <b>2015</b> , 31, 659-68	2.7	7
154	Virtual clinical trials using inserted pathology in clinical images: investigation of assumptions for local glandularity and noise <b>2015</b> ,		3
153	A comparison of mammographic systems for different breast thicknesses using model observer detectability <b>2015</b> ,		1
152	Performance comparison of breast imaging modalities using a 4AFC human observer study <b>2015</b> ,		6
151	Impact of the digitalisation of mammography on performance parameters and breast dose in the Flemish Breast Cancer Screening Programme. <i>European Radiology</i> , <b>2014</b> , 24, 1808-19	8	9
150	Effective radiation dose and eye lens dose in dental cone beam CT: effect of field of view and angle of rotation. <i>British Journal of Radiology</i> , <b>2014</b> , 87, 20130654	3.4	58
149	Automated implant segmentation in cone-beam CT using edge detection and particle counting. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2014</b> , 9, 733-43	3.9	12
148	A pragmatic approach to determine the optimal kVp in cone beam CT: balancing contrast-to-noise ratio and radiation dose. <i>Dentomaxillofacial Radiology</i> , <b>2014</b> , 43, 20140059	3.9	75
147	Estimating cancer risk from dental cone-beam CT exposures based on skin dosimetry. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 3877-91	3.8	43
146	Development and validation of a modelling framework for simulating 2D-mammography and breast tomosynthesis images. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 4275-93	3.8	38
145	2D versus 3D roadmap for uterine artery catheterization: impact on several angiographic parameters. <i>Acta Radiologica</i> , <b>2014</b> , 55, 62-70	2	7
144	Implementing the complete beam hardening effect of the bowtie filter versus scaling beam intensities: effects on dosimetric applications in computed tomography. <i>Journal of Medical Imaging</i> , <b>2014</b> , 1, 033507	2.6	6
143	Establishment of trigger levels to steer the follow-up of radiation effects in patients undergoing fluoroscopically-guided interventional procedures in Belgium. <i>Physica Medica</i> , <b>2014</b> , 30, 934-40	2.7	14
142	The effect of image processing on the detection of cancers in digital mammography. <i>American Journal of Roentgenology</i> , <b>2014</b> , 203, 387-93	5.4	20
141	The simulation of 3D mass models in 2D digital mammography and breast tomosynthesis. <i>Medical Physics</i> , <b>2014</b> , 41, 081913	4.4	15

140	Comparison of SNDR, NPWE Model and Human Observer Results for Spherical Densities and Microcalcifications in Real Patient Backgrounds for 2D Digital Mammography and Breast Tomosynthesis. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 134-141	0.9	3
139	Power Spectrum Analysis of an Anthropomorphic Breast Phantom Compared to Patient Data in 2D Digital Mammography and Breast Tomosynthesis. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 423-429	0.9	7
138	A European Protocol for Technical Quality Control of Breast Tomosynthesis Systems. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 452-459	0.9	2
137	Effective Detective Quantum Efficiency (eDQE) Measured for a Digital Breast Tomosynthesis System. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 127-133	0.9	
136	The Investigation of Different Factors to Optimize the Simulation of 3D Mass Models in Breast Tomosynthesis. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 528-535	0.9	
135	Quantification of metal artifacts on cone beam computed tomography images. <i>Clinical Oral Implants Research</i> , <b>2013</b> , 24 Suppl A100, 94-9	4.8	131
134	Technical and clinical breast cancer screening performance indicators for computed radiography versus direct digital radiography. <i>European Radiology</i> , <b>2013</b> , 23, 2891-8	8	15
133	Radiation Doses and Risks Associated with Mammographic Screening. <i>Current Radiology Reports</i> , <b>2013</b> , 1, 30-38	0.5	10
132	Criteria and suspension levels in diagnostic radiology. <i>Radiation Protection Dosimetry</i> , <b>2013</b> , 153, 185-9	0.9	0
131	Prospective comparison of hydrogel-coated microcoils versus fibered platinum microcoils in the prophylactic embolization of the gastroduodenal artery before yttrium-90 radioembolization. <i>Journal of Vascular and Interventional Radiology</i> , <b>2013</b> , 24, 797-803; quiz 804	2.4	18
130	The European Federation of Organisations for Medical Physics Policy Statement No 14: the role of the Medical Physicist in the management of safety within the magnetic resonance imaging environment: EFOMP recommendations. <i>Physica Medica</i> , <b>2013</b> , 29, 122-5	2.7	6
129	Variability of dental cone beam CT grey values for density estimations. <i>British Journal of Radiology</i> , <b>2013</b> , 86, 20120135	3.4	89
128	Model observer detectability as a substitute for contrast detail analysis in routine digital mammography quality control <b>2013</b> ,		1
127	The influence of position within the breast on microcalcification detectability in continuous tube motion digital breast tomosynthesis <b>2013</b> ,		2
126	A model-based volume restoration approach for Monte Carlo scatter correction in image reconstruction of cone beam CT with limited field of view <b>2013</b> ,		3
125	Characterisation of a breast tomosynthesis unit to simulate images <b>2013</b> ,		1
124	Development of acceptability criteria in mammography. <i>Radiation Protection Dosimetry</i> , <b>2013</b> , 153, 219-229		1
123	Bowtie filtration for dedicated cone beam CT of the head and neck: a simulation study. <i>British Journal of Radiology</i> , <b>2013</b> , 86, 20130002	3.4	13

122	Quality assurance in CT with the Belgian protocol and the new European acceptability criteria. <i>Radiation Protection Dosimetry</i> , <b>2013</b> , 153, 197-205	0.9	2
121	Two complementary model observers to evaluate reconstructions of simulated micro-calcifications in digital breast tomosynthesis <b>2013</b> ,		1
120	Effective detective quantum efficiency for two mammography systems: measurement and comparison against established metrics. <i>Medical Physics</i> , <b>2013</b> , 40, 101916	4.4	21
119	Comparison of spatial and contrast resolution for cone-beam computed tomography scanners. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2012</b> , 114, 127-35	2	75
118	Effective dose range for dental cone beam computed tomography scanners. <i>European Journal of Radiology</i> , <b>2012</b> , 81, 267-71	4.7	404
117	Response to Letter to the Editor: Comment on Effective dose range for dental cone beam computed tomography scanners <i>European Journal of Radiology</i> , <b>2012</b> , 81, 4221-4224	4.7	2
116	Quantification of scattered radiation in projection mammography: four practical methods compared. <i>Medical Physics</i> , <b>2012</b> , 39, 3167-80	4.4	25
115	Future prospects for dental cone beam CT imaging. <i>Imaging in Medicine</i> , <b>2012</b> , 4, 551-563	1	15
114	Comparison of visual grading and free-response ROC analyses for assessment of image-processing algorithms in digital mammography. <i>British Journal of Radiology</i> , <b>2012</b> , 85, e1233-41	3.4	9
113	Excess radiation and organ dose in chest and abdominal CT due to CT acquisition beyond expected anatomical boundaries. <i>European Radiology</i> , <b>2012</b> , 22, 779-88	8	21
112	Dose distribution for dental cone beam CT and its implication for defining a dose index. <i>Dentomaxillofacial Radiology</i> , <b>2012</b> , 41, 583-93	3.9	46
111	Correlation of free-response and receiver-operating-characteristic area-under-the-curve estimates: results from independently conducted FROC/ROC studies in mammography. <i>Medical Physics</i> , <b>2012</b> , 39, 5917-29	4.4	7
110	Comparison of signal to noise ratios from spatial and frequency domain formulations of nonprewhitening model observers in digital mammography. <i>Medical Physics</i> , <b>2012</b> , 39, 5652-63	4.4	4
109	Effect of image quality on calcification detection in digital mammography. <i>Medical Physics</i> , <b>2012</b> , 39, 3202-13	4.4	56
108	Physical evaluation of a needle photostimulable phosphor based CR mammography system. <i>Medical Physics</i> , <b>2012</b> , 39, 811-24	4.4	12
107	Effective detective quantum efficiency (eDQE) and effective noise equivalent quanta (eNEQ) for system optimization purposes in digital mammography <b>2012</b> ,		5
106	Assessment of the central artifact in cone beam CT imaging with an offset geometry <b>2012</b> ,		2
105	Performance of Computed Radiography and Direct Digital Radiography in a Screening Setting: Effect on the Screening Indicators. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 189-196	0.9	1



104	A Modelling Framework for Evaluation of 2D-Mammography and Breast Tomosynthesis Systems. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 338-345	0.9	1
103	Design and Evaluation of a Phantom with Structured Background for Digital Mammography and Breast Tomosynthesis. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 642-649	0.9	6
102	The Morphology of Microcalcifications in 2D Digital Mammography and Breast Tomosynthesis: Is It Different?. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 362-368	0.9	0
101	Development and applicability of a quality control phantom for dental cone-beam CT. <i>Journal of Applied Clinical Medical Physics</i> , <b>2011</b> , 12, 3478	2.3	58
100	A comprehensive in vitro study of image accuracy and quality for periodontal diagnosis. Part 1: the influence of X-ray generator on periodontal measurements using conventional and digital receptors. <i>Clinical Oral Investigations</i> , <b>2011</b> , 15, 537-49	4.2	5
99	A comprehensive in vitro study of image accuracy and quality for periodontal diagnosis. Part 2: the influence of intra-oral image receptor on periodontal measurements. <i>Clinical Oral Investigations</i> , <b>2011</b> , 15, 551-62	4.2	5
98	Investigation of the effect of tube motion in breast tomosynthesis: continuous or step and shoot? <b>2011</b> ,		10
97	The simulation of 3D microcalcification clusters in 2D digital mammography and breast tomosynthesis. <i>Medical Physics</i> , <b>2011</b> , 38, 6659-71	4.4	36
96	The use of detectability indices as a means of automatic exposure control for a digital mammography system <b>2011</b> ,		3
95	Cu filtration for dose reduction in neonatal chest imaging. <i>Radiation Protection Dosimetry</i> , <b>2010</b> , 139, 281-6	0.9	9
94	Simulation of 3D objects into breast tomosynthesis images. <i>Radiation Protection Dosimetry</i> , <b>2010</b> , 139, 108-12	0.9	11
93	Consistency of methods for analysing location-specific data. <i>Radiation Protection Dosimetry</i> , <b>2010</b> , 139, 52-6	0.9	0
92	Three-dimensional cardiac rotational angiography: effective radiation dose and image quality implications. <i>Europace</i> , <b>2010</b> , 12, 194-201	3.9	37
91	Simulation of image detectors in radiology for determination of scatter-to-primary ratios using Monte Carlo radiation transport code MCNP/MCNPX. <i>Medical Physics</i> , <b>2010</b> , 37, 2082-91	4.4	15
90	Validation of an image simulation technique for two computed radiography systems: an application to neonatal imaging. <i>Medical Physics</i> , <b>2010</b> , 37, 2092-100	4.4	8
89	Does digital mammography in a decentralized breast cancer screening program lead to screening performance parameters comparable with film-screen mammography?. <i>European Radiology</i> , <b>2010</b> , 20, 2307-14	8	17
88	Modern dental imaging: a review of the current technology and clinical applications in dental practice. <i>European Radiology</i> , <b>2010</b> , 20, 2637-55	8	117
87	Quality Control in Digital Mammography. <i>Medical Radiology</i> , <b>2010</b> , 33-54	0.2	2

86	Validation of a Simulated Dose Reduction Methodology Using Digital Mammography CDMAM Images and Mastectomy Images. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 78-85	0.9	2
85	Realistic Simulation of Microcalcifications in Breast Tomosynthesis. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 235-242	0.9	2
84	Technical Evaluation of a Digital Breast Tomosynthesis System. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 350-356	0.9	3
83	Analysis of Mammography Quality Control Results: Evidence for a Change in Test Frequency?. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 371-377	0.9	1
82	Constancy Checking of Digital Breast Tomosynthesis Systems. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 518-525	0.9	0
81	A supplement to the European Guidelines for Quality Assurance in Breast Cancer Screening and Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 643-650	0.9	3
80	Software Framework for Simulating Clusters of Microcalcifications in Digital Mammography. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 689-696	0.9	1
79	Performance Assessment of Breast Tomosynthesis Systems: Concepts for Two Types of Phantoms. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 227-234	0.9	
78	Classification of Artifacts in Clinical Digital Mammography. <i>Medical Radiology</i> , <b>2010</b> , 55-67	0.2	0
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