# Jeffrey H Siewerdsen

# 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.

267 9,548 50 91 h-index g-index citations papers 6.15 10,923 291 3.7 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
267	Automated Extraction of Anatomical Measurements From Temporal Bone CT Imaging  Otolaryngology - Head and Neck Surgery, <b>2022</b> , 1945998221076801	5.5	O
266	Pre-Clinical Development of Robot-Assisted Ventriculoscopy for 3D Image Reconstruction and Guidance of Deep Brain Neurosurgery <i>IEEE Transactions on Medical Robotics and Bionics</i> , <b>2022</b> , 4, 28-37	3.1	O
265	Science and practice of imaging physics through 50 years of SPIE Medical Imaging conferences Journal of Medical Imaging, <b>2022</b> , 9, 012205	2.6	O
264	Slot-scan dual-energy bone densitometry using motorized X-ray systems. <i>Medical Physics</i> , <b>2021</b> , 48, 667	3464695	<b>;</b> 0
263	Deformable MR-CT image registration using an unsupervised, dual-channel network for neurosurgical guidance. <i>Medical Image Analysis</i> , <b>2021</b> , 75, 102292	15.4	O
262	Sinogram + image domain neural network approach for metal artifact reduction in low-dose cone-beam computed tomography. <i>Journal of Medical Imaging</i> , <b>2021</b> , 8, 052103	2.6	2
261	Location and direction dependence in the 3D MTF for a high-resolution CT system. <i>Medical Physics</i> , <b>2021</b> , 48, 2760-2771	4.4	3
260	Theory, method, and test tools for determination of 3D MTF characteristics in cone-beam CT. <i>Medical Physics</i> , <b>2021</b> , 48, 2772-2789	4.4	O
259	Development of a fluoroscopically guided robotic assistant for instrument placement in pelvic trauma surgery. <i>Journal of Medical Imaging</i> , <b>2021</b> , 8, 035001	2.6	O
258	Long-length tomosynthesis and 3D-2D registration for intraoperative assessment of spine instrumentation. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66, 055008	3.8	4
257	Fracture reduction planning and guidance in orthopaedic trauma surgery via multi-body image registration. <i>Medical Image Analysis</i> , <b>2021</b> , 68, 101917	15.4	3
256	Deformable motion compensation for interventional cone-beam CT. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66, 055010	3.8	О
255	Accelerated 3D image reconstruction with a morphological pyramid and noise-power convergence criterion. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66, 055012	3.8	O
254	Drill-mounted video guidance for orthopaedic trauma surgery. <i>Journal of Medical Imaging</i> , <b>2021</b> , 8, 0150	0026	О
253	Automated Registration-Based Temporal Bone Computed Tomography Segmentation for Applications in Neurotologic Surgery. <i>Otolaryngology - Head and Neck Surgery</i> , <b>2021</b> , 194599821104498	<b>2</b> 5.5	2
252	Intraoperative cone-beam and slot-beam CT: 3D image quality and dose with a slot collimator on the O-arm imaging system. <i>Medical Physics</i> , <b>2021</b> , 48, 6800-6809	4.4	1
251	Ultraviolet germicidal irradiation of the inner bore of a CT gantry. <i>Journal of Applied Clinical Medical Physics</i> , <b>2020</b> , 21, 325-328	2.3	O

## (2019-2020)

250	Multi-body 3D-2D registration for image-guided reduction of pelvic dislocation in orthopaedic trauma surgery. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 135009	3.8	5
249	C-arm orbits for metal artifact avoidance (MAA) in cone-beam CT. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 165012	3.8	4
248	Cone-beam CT for imaging of the head/brain: Development and assessment of scanner prototype and reconstruction algorithms. <i>Medical Physics</i> , <b>2020</b> , 47, 2392-2407	4.4	4
247	Cone-beam imaging with tilted rotation axis: Method and performance evaluation. <i>Medical Physics</i> , <b>2020</b> , 47, 3305-3320	4.4	3
246	Automatic analysis of global spinal alignment from simple annotation of vertebral bodies. <i>Journal of Medical Imaging</i> , <b>2020</b> , 7, 035001	2.6	О
245	Quantitative Assessment of Weight-Bearing Fracture Biomechanics Using Extremity Cone-Beam CT. <i>Proceedings of SPIE</i> , <b>2020</b> , 11317,	1.7	2
244	Non-circular CT orbit design for elimination of metal artifacts. <i>Proceedings of SPIE</i> , <b>2020</b> , 11312,	1.7	5
243	Evaluation of image quality and task performance for a mobile C-arm with a complementary metal-oxide semiconductor detector. <i>Journal of Medical Imaging</i> , <b>2020</b> , 7, 015501	2.6	O
242	SpineCloud: image analytics for predictive modeling of spine surgery outcomes. <i>Journal of Medical Imaging</i> , <b>2020</b> , 7, 031502	2.6	5
241	Calibration and Registration of a Freehand Video-Guided Surgical Drill for Orthopaedic Trauma. <i>Proceedings of SPIE</i> , <b>2020</b> , 11315,	1.7	1
240	Cone-Beam CT Systems <b>2020</b> , 11-26		
239	Model-based dual-energy tomographic image reconstruction of objects containing known metal components. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 245046	3.8	2
238	Technology and applications in interventional imaging: 2D X-ray radiography/fluoroscopy and 3D cone-beam CT <b>2020</b> , 625-671		3
237	A mobile isocentric C-arm for intraoperative cone-beam CT: Technical assessment of dose and 3D imaging performance. <i>Medical Physics</i> , <b>2020</b> , 47, 958-974	4.4	12
236	Surgineering: curriculum concept for experiential learning in upper-level biomedical engineering. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2020</b> , 15, 1-14	3.9	2
235	Cone-beam CT dose and imaging performance evaluation with a modular, multipurpose phantom. <i>Medical Physics</i> , <b>2020</b> , 47, 467-479	4.4	8
234	Association Between Knee Anatomic Metrics and Biomechanics for Male Soldiers Landing With Load. <i>American Journal of Sports Medicine</i> , <b>2020</b> , 48, 1389-1397	6.8	1
233	Known-component 3D image reconstruction for improved intraoperative imaging in spine surgery: A clinical pilot study. <i>Medical Physics</i> , <b>2019</b> , 46, 3483-3495	4.4	8

Motion compensation in extremity cone-beam computed tomography. Skeletal Radiology, **2019**, 48, 199<del>2.2</del>007<sub>7</sub>

231	Atlas-based automatic planning and 3D-2D fluoroscopic guidance in pelvic trauma surgery. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 095022	3.8	11
230	Dynamic fluence field modulation in computed tomography using multiple aperture devices. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 105024	3.8	8
229	A Statistical Model for Rigid Image Registration Performance: The Influence of Soft-Tissue Deformation as a Confounding Noise Source. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 2016-2027	11.7	1
228	Known-component metal artifact reduction (KC-MAR) for cone-beam CT. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 165021	3.8	8
227	Automatic pedicle screw planning using atlas-based registration of anatomy and reference trajectories. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 165020	3.8	14
226	Technical assessment of a mobile CT scanner for image-guided brachytherapy. <i>Journal of Applied Clinical Medical Physics</i> , <b>2019</b> , 20, 187-200	2.3	2
225	Task-driven source-detector trajectories in cone-beam computed tomography: I. Theory and methods. <i>Journal of Medical Imaging</i> , <b>2019</b> , 6, 025002	2.6	19
224	Task-driven source-detector trajectories in cone-beam computed tomography: II. Application to neuroradiology. <i>Journal of Medical Imaging</i> , <b>2019</b> , 6, 025004	2.6	14
223	Atlas-based algorithm for automatic anatomical measurements in the knee. <i>Journal of Medical Imaging</i> , <b>2019</b> , 6, 026002	2.6	4
222	Volume-of-interest imaging with dynamic fluence modulation using multiple aperture devices. <i>Journal of Medical Imaging</i> , <b>2019</b> , 6, 033504	2.6	2
221	Effect of statistical mismatch between training and test images for CNN-based deformable registration <b>2019</b> ,		3
220	Cone-beam CT statistical reconstruction with a model for fluence modulation and electronic readout noise <b>2019</b> ,		2
219	A robotic x-ray cone-beam CT system: trajectory optimization for 3D imaging of the weight-bearing spine <b>2019</b> ,		4
218	Image-based deformable motion compensation for interventional cone-beam CT 2019,		2
217	Improved intraoperative imaging in spine surgery: clinical translation of known-component 3D image reconstruction on the O-arm system <b>2019</b> ,		2
216	Optimized Spatial-Spectral CT for Multi-Material Decomposition. <i>Proceedings of SPIE</i> , <b>2019</b> , 11072,	1.7	3
215	Optimization of cone-beam CT scan orbits for cervical spine imaging <b>2019</b> ,		2

## (2018-2019)

214	Clinical study of soft-tissue contrast resolution in cone-beam CT of the head using multi-resolution PWLS with multi-motion correction and an electronic noise model <b>2019</b> ,		2	
213	Convergence criterion for MBIR based on the local noise-power spectrum: Theory and implementation in a framework for accelerated 3D image reconstruction with a morphological pyramid. <i>Proceedings of SPIE</i> , <b>2019</b> , 11072,	1.7	2	
212	Quantitative Cone-Beam CT of Bone Mineral Density Using Model-Based Reconstruction. <i>Proceedings of SPIE</i> , <b>2019</b> , 10948,	1.7	4	
211	Coupled Active Shape Models for Automated Segmentation and Landmark Localization in High-Resolution CT of the Foot and Ankle. <i>Proceedings of SPIE</i> , <b>2019</b> , 10953,	1.7	1	
210	Known-Component Model-Based Material Decomposition for Dual Energy Imaging of Bone Compositions in the Presence of Metal Implant. <i>Proceedings of SPIE</i> , <b>2019</b> , 11072,	1.7	2	
209	Learning-based deformable image registration: effect of statistical mismatch between train and test images. <i>Journal of Medical Imaging</i> , <b>2019</b> , 6, 044008	2.6	2	
208	Predicting image properties in penalized-likelihood reconstructions of flat-panel CBCT. <i>Medical Physics</i> , <b>2019</b> , 46, 65-80	4.4	6	
207	Reconstruction-of-difference (RoD) imaging for cone-beam CT neuro-angiography. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 115004	3.8	2	
206	Modeling and evaluation of a high-resolution CMOS detector for cone-beam CT of the extremities. <i>Medical Physics</i> , <b>2018</b> , 45, 114-130	4.4	16	
205	Clinical Translation of the LevelCheck Decision Support Algorithm for Target Localization in Spine Surgery. <i>Annals of Biomedical Engineering</i> , <b>2018</b> , 46, 1548-1557	4.7	O	
204	Virtual fluoroscopy for intraoperative C-arm positioning and radiation dose reduction. <i>Journal of Medical Imaging</i> , <b>2018</b> , 5, 015005	2.6	10	
203	Robotic drill guide positioning using known-component 3D-2D image registration. <i>Journal of Medical Imaging</i> , <b>2018</b> , 5, 021212	2.6	10	
202	Design and validation of an open-source library of dynamic reference frames for research and education in optical tracking. <i>Journal of Medical Imaging</i> , <b>2018</b> , 5, 021215	2.6	6	
201	Dynamic fluence field modulation for miscentered patients in computed tomography. <i>Journal of Medical Imaging</i> , <b>2018</b> , 5, 043501	2.6	5	
200	Prospective Image Quality Analysis and Control for Prior-Image-Based Reconstruction of Low-Dose CT. <i>Proceedings of SPIE</i> , <b>2018</b> , 10573,	1.7	3	
199	A General CT Reconstruction Algorithm for Model-Based Material Decomposition. <i>Proceedings of SPIE</i> , <b>2018</b> , 10573,	1.7	6	
198	Implementation and Assessment of Dynamic Fluence Field Modulation with Multiple Aperture Devices <b>2018</b> , 2018, 47-51			
197	High-Fidelity Modeling of Detector Lag and Gantry Motion in CT Reconstruction <b>2018</b> , 2018, 318-322		2	

196	Volume-of-interest CT imaging with dynamic beam filtering using multiple aperture devices <b>2018</b> , 2018, 213-217		4
195	Image quality, scatter, and dose in compact CBCT systems with flat and curved detectors <b>2018</b> ,		1
194	Image quality and dose for a multisource cone-beam CT extremity scanner. <i>Medical Physics</i> , <b>2018</b> , 45, 144-155	4.4	15
193	Statistical weights for model-based reconstruction in cone-beam CT with electronic noise and dual-gain detector readout. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 245018	3.8	5
192	A momentum-based diffeomorphic demons framework for deformable MR-CT image registration. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 215006	3.8	3
191	Mobile C-Arm with a CMOS detector: Technical assessment of fluoroscopy and Cone-Beam CT imaging performance. <i>Medical Physics</i> , <b>2018</b> , 45, 5420-5436	4.4	11
190	Image quality and dose characteristics for an O-arm intraoperative imaging system with model-based image reconstruction. <i>Medical Physics</i> , <b>2018</b> , 45, 4857-4868	4.4	17
189	Registration of MRI to intraoperative radiographs for target localization in spinal interventions. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 684-701	3.8	15
188	Polyenergetic known-component CT reconstruction with unknown material compositions and unknown x-ray spectra. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 3352-3374	3.8	9
187	Fundamental limits of image registration performance: Effects of image noise and resolution in CT-guided interventions. <i>Proceedings of SPIE</i> , <b>2017</b> , 10135,	1.7	4
186	Geometric Calibration Using Line Fiducials for Cone-Beam CT with General, Non-Circular Source-Detector Trajectories. <i>Proceedings of SPIE</i> , <b>2017</b> , 10132,	1.7	1
185	Image quality of cone beam computed tomography for evaluation of extremity fractures in the presence of metal hardware: visual grading characteristics analysis. <i>British Journal of Radiology</i> , <b>2017</b> , 90, 20160539	3.4	14
184	Joint Optimization of Fluence Field Modulation and Regularization in Task-Driven Computed Tomography. <i>Proceedings of SPIE</i> , <b>2017</b> , 10132,	1.7	2
183	Task-Driven Orbit Design and Implementation on a Robotic C-Arm System for Cone-Beam CT. <i>Proceedings of SPIE</i> , <b>2017</b> , 10132,	1.7	10
182	Intraoperative evaluation of device placement in spine surgery using known-component 3D-2D image registration. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 3330-3351	3.8	21
181	Spinal pedicle screw planning using deformable atlas registration. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 2871-2891	3.8	25
180	C-arm Positioning Using Virtual Fluoroscopy for Image-Guided Surgery. <i>Proceedings of SPIE</i> , <b>2017</b> , 10135,	1.7	6
179	Integration of free-hand 3D ultrasound and mobile C-arm cone-beam CT: Feasibility and characterization for real-time guidance of needle insertion. <i>Computerized Medical Imaging and Graphics</i> , <b>2017</b> , 58, 13-22	7.6	5

#### (2016-2017)

178	Multi-stage 3D-2D registration for correction of anatomical deformation in image-guided spine surgery. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 4604-4622	3.8	18
177	Motion compensation in extremity cone-beam CT using a penalized image sharpness criterion. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 3712-3734	3.8	41
176	Task-driven optimization of CT tube current modulation and regularization in model-based iterative reconstruction. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 4777-4797	3.8	12
175	Multi-resolution statistical image reconstruction for mitigation of truncation effects: application to cone-beam CT of the head. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 539-559	3.8	15
174	Task-based statistical image reconstruction for high-quality cone-beam CT. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 8693-8719	3.8	11
173	Correction of patient motion in cone-beam CT using 3D-2D registration. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 8813-8831	3.8	12
172	Planning, guidance, and quality assurance of pelvic screw placement using deformable image registration. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 9018-9038	3.8	8
171	Effects of Image Quality on the Fundamental Limits of Image Registration Accuracy. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 1997-2009	11.7	3
170	Task-Driven Optimization of Fluence Field and Regularization for Model-Based Iterative Reconstruction in Computed Tomography. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 2424-2435	11.7	12
169	Atlas-based automatic measurements of the morphology of the tibiofemoral joint. <i>Proceedings of SPIE</i> , <b>2017</b> , 10137,	1.7	5
168	High-resolution extremity cone-beam CT with a CMOS detector: Task-based optimization of scintillator thickness. <i>Proceedings of SPIE</i> , <b>2017</b> , 10132,	1.7	3
167	Evaluation of detector readout gain mode and bowtie filters for cone-beam CT imaging of the head. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 5973-92	3.8	14
166	Automatic Masking for Robust 3D-2D Image Registration in Image-Guided Spine Surgery. <i>Proceedings of SPIE</i> , <b>2016</b> , 9786,	1.7	8
165	MIND Demons for MR-to-CT Deformable Image Registration In Image-Guided Spine Surgery. <i>Proceedings of SPIE</i> , <b>2016</b> , 9786,	1.7	3
164	Image-Based Motion Compensation for High-Resolution Extremities Cone-Beam CT. <i>Proceedings of SPIE</i> , <b>2016</b> , 9783,	1.7	7
163	Reconstruction of difference in sequential CT studies using penalized likelihood estimation. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 1986-2002	3.8	20
162	Self-calibration of cone-beam CT geometry using 3D-2D image registration. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 2613-32	3.8	39
161	Task-Based Design of Fluence Field Modulation in CT for Model-Based Iterative Reconstruction <b>2016</b> , 2016, 407-410		1

160	Design of dual multiple aperture devices for dynamical fluence field modulated CT <b>2016</b> , 2016, 29-32		6
159	Modeling Shift-Variant X-Ray Focal Spot Blur for High-Resolution Flat-Panel Cone-Beam CT <b>2016</b> , 2016, 463-466		4
158	Task-Based Regularization Design for Detection of Intracranial Hemorrhage in Cone-Beam CT <b>2016</b> , 2016, 557-560		3
157	Design and characterization of a dedicated cone-beam CT scanner for detection of acute intracranial hemorrhage <b>2016</b> ,		1
156	Utility of the LevelCheck Algorithm for Decision Support in Vertebral Localization. Spine, 2016, 41, E12	249 <del>.</del> <u></u> €12	.25 <b>6</b> 4
155	Volumetric CT with sparse detector arrays (and application to Si-strip photon counters). <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 90-113	3.8	4
154	3D-2D image registration for target localization in spine surgery: investigation of similarity metrics providing robustness to content mismatch. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 3009-25	3.8	52
153	Task-Driven Tube Current Modulation and Regularization Design in Computed Tomography with Penalized-Likelihood Reconstruction. <i>Proceedings of SPIE</i> , <b>2016</b> , 9783,	1.7	8
152	Regularization design for high-quality cone-beam CT of intracranial hemorrhage using statistical reconstruction <b>2016</b> ,		1
151	MIND Demons: Symmetric Diffeomorphic Deformable Registration of MR and CT for Image-Guided Spine Surgery. <i>IEEE Transactions on Medical Imaging</i> , <b>2016</b> , 35, 2413-2424	11.7	27
150	Technical assessment of a prototype cone-beam CT system for imaging of acute intracranial hemorrhage. <i>Medical Physics</i> , <b>2016</b> , 43, 5745	4.4	13
149	Technical Note: spektr 3.0-A computational tool for x-ray spectrum modeling and analysis. <i>Medical Physics</i> , <b>2016</b> , 43, 4711	4.4	109
148	Modeling and design of a cone-beam CT head scanner using task-based imaging performance optimization. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 3180-207	3.8	21
147	Nonlinear Statistical Reconstruction for Flat-Panel Cone-Beam CT with Blur and Correlated Noise Models. <i>Proceedings of SPIE</i> , <b>2016</b> , 9783,	1.7	2
146	Multiresolution iterative reconstruction in high-resolution extremity cone-beam CT. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 7263-7281	3.8	18
145	Assessment of image quality in soft tissue and bone visualization tasks for a dedicated extremity cone-beam CT system. <i>European Radiology</i> , <b>2015</b> , 25, 1742-51	8	54
144	Automatic localization of target vertebrae in spine surgery: clinical evaluation of the LevelCheck registration algorithm. <i>Spine</i> , <b>2015</b> , 40, E476-83	3.3	23
143	Dual-Energy Imaging of Bone Marrow Edema on a Dedicated Multi-Source Cone-Beam CT System for the Extremities. <i>Proceedings of SPIE</i> , <b>2015</b> , 9412,	1.7	7

#### (2014-2015)

142	Task-driven image acquisition and reconstruction in cone-beam CT. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 3129-50	3.8	23
141	Statistical reconstruction for cone-beam CT with a post-artifact-correction noise model: application to high-quality head imaging. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 6153-75	3.8	32
140	Accelerated statistical reconstruction for C-arm cone-beam CT using Nesterov® method. <i>Medical Physics</i> , <b>2015</b> , 42, 2699-708	4.4	27
139	Self-Calibration of Cone-Beam CT Geometry Using 3D-2D Image Registration: Development and Application to Task-Based Imaging with a Robotic C-Arm. <i>Proceedings of SPIE</i> , <b>2015</b> , 9415,	1.7	5
138	Extremity cone-beam CT for evaluation of medial tibiofemoral osteoarthritis: Initial experience in imaging of the weight-bearing and non-weight-bearing knee. <i>European Journal of Radiology</i> , <b>2015</b> , 84, 2564-70	4.7	41
137	Technical aspects of dental CBCT: state of the art. <i>Dentomaxillofacial Radiology</i> , <b>2015</b> , 44, 20140224	3.9	182
136	Intraoperative image-guided transoral robotic surgery: pre-clinical studies. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2015</b> , 11, 256-67	2.9	15
135	Known-component 3D-2D registration for quality assurance of spine surgery pedicle screw placement. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 8007-24	3.8	27
134	Cone-Beam CT of Traumatic Brain Injury Using Statistical Reconstruction with a Post-Artifact-Correction Noise Model. <i>Proceedings of SPIE</i> , <b>2015</b> , 9412,	1.7	2
133	Spectral CT of the Extremities with a Silicon Strip Photon Counting Detector. <i>Proceedings of SPIE</i> , <b>2015</b> , 9412,	1.7	1
132	Known-Component 3D-2D Registration for Image Guidance and Quality Assurance in Spine Surgery Pedicle Screw Placement. <i>Proceedings of SPIE</i> , <b>2015</b> , 9415,	1.7	4
131	Prospective regularization design in prior-image-based reconstruction. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 9515-36	3.8	12
130	3D <b>I</b> D registration in mobile radiographs: algorithm development and preliminary clinical evaluation. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 2075-90	3.8	26
129	Characterization of 3D joint space morphology using an electrostatic model (with application to osteoarthritis). <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 947-60	3.8	16
128	High-fidelity artifact correction for cone-beam CT imaging of the brain. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 1415-39	3.8	54
127	3D Rapid Prototyping for Otolaryngology-Head and Neck Surgery: Applications in Image-Guidance, Surgical Simulation and Patient-Specific Modeling. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136370	3.7	60
126	3D-2D registration for surgical guidance: effect of projection view angles on registration accuracy. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 271-87	3.8	31
125	Soft-tissue imaging with C-arm cone-beam CT using statistical reconstruction. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 1005-26	3.8	49

124	High energy x-ray phase contrast CT using glancing-angle grating interferometers. <i>Medical Physics</i> , <b>2014</b> , 41, 021904	4.4	20
123	Dual-energy cone-beam CT with a flat-panel detector: effect of reconstruction algorithm on material classification. <i>Medical Physics</i> , <b>2014</b> , 41, 021908	4.4	23
122	Deformable image registration with local rigidity constraints for cone-beam CT-guided spine surgery. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 3761-87	3.8	15
121	dPIRPLE: a joint estimation framework for deformable registration and penalized-likelihood CT image reconstruction using prior images. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 4799-826	3.8	35
<b>12</b> 0	Evaluation of low-dose limits in 3D-2D rigid registration for surgical guidance. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 5329-45	3.8	11
119	High-Performance Soft-Tissue Imaging in Extremity Cone-Beam CT. <i>Proceedings of SPIE</i> , <b>2014</b> , 9033, 90	3 <b>3</b> 2/9	7
118	Generalized Least-Squares CT Reconstruction with Detector Blur and Correlated Noise Models. <i>Proceedings of SPIE</i> , <b>2014</b> , 9033, 903335	1.7	7
117	Regularization Design and Control of Change Admission in Prior-Image-based Reconstruction. <i>Proceedings of SPIE</i> , <b>2014</b> , 9033,	1.7	3
116	Cascaded systems modeling of signal, noise, and DQE for x-ray photon counting detectors 2014,		1
115	Dedicated cone-beam CT system for extremity imaging. <i>Radiology</i> , <b>2014</b> , 270, 816-24	20.5	140
115	Dedicated cone-beam CT system for extremity imaging. <i>Radiology</i> , <b>2014</b> , 270, 816-24  Task-based detectability in CT image reconstruction by filtered backprojection and penalized likelihood estimation. <i>Medical Physics</i> , <b>2014</b> , 41, 081902	20.5 4.4	140 55
	Task-based detectability in CT image reconstruction by filtered backprojection and penalized		
114	Task-based detectability in CT image reconstruction by filtered backprojection and penalized likelihood estimation. <i>Medical Physics</i> , <b>2014</b> , 41, 081902	4.4	55
114	Task-based detectability in CT image reconstruction by filtered backprojection and penalized likelihood estimation. <i>Medical Physics</i> , <b>2014</b> , 41, 081902  Cascaded systems analysis of photon counting detectors. <i>Medical Physics</i> , <b>2014</b> , 41, 101907  Noise, sampling, and the number of projections in cone-beam CT with a flat-panel detector. <i>Medical</i>	4.4	55
114 113 112	Task-based detectability in CT image reconstruction by filtered backprojection and penalized likelihood estimation. <i>Medical Physics</i> , <b>2014</b> , 41, 081902  Cascaded systems analysis of photon counting detectors. <i>Medical Physics</i> , <b>2014</b> , 41, 101907  Noise, sampling, and the number of projections in cone-beam CT with a flat-panel detector. <i>Medical Physics</i> , <b>2014</b> , 41, 061909  Low-dose preview for patient-specific, task-specific technique selection in cone-beam CT. <i>Medical</i>	4-4	55 38 25
114 113 112	Task-based detectability in CT image reconstruction by filtered backprojection and penalized likelihood estimation. <i>Medical Physics</i> , <b>2014</b> , 41, 081902  Cascaded systems analysis of photon counting detectors. <i>Medical Physics</i> , <b>2014</b> , 41, 101907  Noise, sampling, and the number of projections in cone-beam CT with a flat-panel detector. <i>Medical Physics</i> , <b>2014</b> , 41, 061909  Low-dose preview for patient-specific, task-specific technique selection in cone-beam CT. <i>Medical Physics</i> , <b>2014</b> , 41, 071915  Intraoperative cone-beam CT for head and neck surgery: feasibility of clinical implementation using	4·4 4·4 4·4	55 38 25 18
114 113 112 111 110	Task-based detectability in CT image reconstruction by filtered backprojection and penalized likelihood estimation. <i>Medical Physics</i> , <b>2014</b> , 41, 081902  Cascaded systems analysis of photon counting detectors. <i>Medical Physics</i> , <b>2014</b> , 41, 101907  Noise, sampling, and the number of projections in cone-beam CT with a flat-panel detector. <i>Medical Physics</i> , <b>2014</b> , 41, 061909  Low-dose preview for patient-specific, task-specific technique selection in cone-beam CT. <i>Medical Physics</i> , <b>2014</b> , 41, 071915  Intraoperative cone-beam CT for head and neck surgery: feasibility of clinical implementation using a prototype mobile C-arm. <i>Head and Neck</i> , <b>2013</b> , 35, 959-67  Noise Reduction in Material Decomposition for Low-Dose Dual-Energy Cone-Beam CT. <i>Proceedings</i>	4·4 4·4 4·4 4·2	55 38 25 18 36

106	High Energy X-ray Phase-Contrast Imaging Using Glancing Angle Grating Interferometers. <i>Proceedings of SPIE</i> , <b>2013</b> , 8668,	1.7	3
105	An electromagnetic "Tracker-in-Table" configuration for X-ray fluoroscopy and cone-beam CT-guided surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2013</b> , 8, 1-13	3.9	19
104	Deformable registration of the inflated and deflated lung in cone-beam CT-guided thoracic surgery: initial investigation of a combined model- and image-driven approach. <i>Medical Physics</i> , <b>2013</b> , 40, 01750	1 <sup>4·4</sup>	26
103	Monte Carlo study of the effects of system geometry and antiscatter grids on cone-beam CT scatter distributions. <i>Medical Physics</i> , <b>2013</b> , 40, 051915	4.4	77
102	Overcoming Nonlinear Partial Volume Effects in Known-Component Reconstruction of Cochlear Implants. <i>Proceedings of SPIE</i> , <b>2013</b> , 8668, 86681L	1.7	11
101	Evaluation of a system for high-accuracy 3D image-based registration of endoscopic video to C-arm cone-beam CT for image-guided skull base surgery. <i>IEEE Transactions on Medical Imaging</i> , <b>2013</b> , 32, 121	5 <sup>-1</sup> 216 <sup>7</sup>	34
100	Peripheral Quantitative CT (pQCT) Using a Dedicated Extremity Cone-Beam CT Scanner. Proceedings of SPIE, <b>2013</b> , 8672, 867203	1.7	13
99	Modeling and Control of Nonstationary Noise Characteristics in Filtered-Backprojection and Penalized Likelihood Image Reconstruction. <i>Proceedings of SPIE</i> , <b>2013</b> , 8668,	1.7	5
98	Soft-Tissue Imaging in Low-Dose, C-Arm Cone-Beam CT Using Statistical Image Reconstruction. <i>Proceedings of SPIE</i> , <b>2013</b> , 8668,	1.7	5
97	PIRPLE: a penalized-likelihood framework for incorporation of prior images in CT reconstruction. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 7563-82	3.8	40
96	Deformable image registration for cone-beam CT guided transoral robotic base-of-tongue surgery. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 4951-79	3.8	15
95	A simple approach to measure computed tomography (CT) modulation transfer function (MTF) and noise-power spectrum (NPS) using the American College of Radiology (ACR) accreditation phantom. <i>Medical Physics</i> , <b>2013</b> , 40, 051907	4.4	102
94	TREK: an integrated system architecture for intraoperative cone-beam CT-guided surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2012</b> , 7, 159-73	3.9	30
93	Theoretical Framework for the Dual-Energy Cone-Beam CT Noise-Power Spectrum, NEQ, and Tasked-Based Detectability Index. <i>Proceedings of SPIE</i> , <b>2012</b> , 8313,	1.7	1
92	Model-based tomographic reconstruction of objects containing known components. <i>IEEE Transactions on Medical Imaging</i> , <b>2012</b> , 31, 1837-48	11.7	51
91	Extra-dimensional Demons: a method for incorporating missing tissue in deformable image registration. <i>Medical Physics</i> , <b>2012</b> , 39, 5718-31	4.4	42
90	Intraoperative C-arm cone-beam computed tomography: quantitative analysis of surgical performance in skull base surgery. <i>Laryngoscope</i> , <b>2012</b> , 122, 1925-32	3.6	8
89	Volume-of-change cone-beam CT for image-guided surgery. <i>Physics in Medicine and Biology</i> , <b>2012</b> , 57, 4969-89	3.8	12

88	An on-board surgical tracking and video augmentation system for C-arm image guidance. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2012</b> , 7, 647-65	3.9	21
87	Technical assessment of a cone-beam CT scanner for otolaryngology imaging: image quality, dose, and technique protocols. <i>Medical Physics</i> , <b>2012</b> , 39, 4932-42	4.4	43
86	Antiscatter grids in mobile C-arm cone-beam CT: effect on image quality and dose. <i>Medical Physics</i> , <b>2012</b> , 39, 153-9	4.4	32
85	Robust methods for automatic image-to-world registration in cone-beam CT interventional guidance. <i>Medical Physics</i> , <b>2012</b> , 39, 6484-98	4.4	19
84	Automatic localization of vertebral levels in x-ray fluoroscopy using 3D-2D registration: a tool to reduce wrong-site surgery. <i>Physics in Medicine and Biology</i> , <b>2012</b> , 57, 5485-508	3.8	52
83	Deformable Registration of the Inflated and Deflated Lung for Cone-Beam CT-Guided Thoracic Surgery. <i>Proceedings of SPIE</i> , <b>2012</b> , 8316,	1.7	2
82	Model-based Reconstruction of Objects with Inexactly Known Components. <i>Proceedings of SPIE</i> , <b>2012</b> , 8313,	1.7	8
81	Automatic localization of target vertebrae in spine surgery using fast CT-to-fluoroscopy (3D-2D) image registration <b>2012</b> ,		5
80	High-performance C-arm cone-beam CT guidance of thoracic surgery <b>2012</b> ,		3
79	Tracker-on-C for cone-beam CT-guided surgery: evaluation of geometric accuracy and clinical applications <b>2012</b> ,		2
78	Beyond noise power in 3D computed tomography: the local NPS and off-diagonal elements of the Fourier domain covariance matrix. <i>Medical Physics</i> , <b>2012</b> , 39, 3240-52	4.4	33
77	Cascaded systems analysis of noise and detectability in dual-energy cone-beam CT. <i>Medical Physics</i> , <b>2012</b> , 39, 5145-56	4.4	28
76	Information Propagation in Prior-Image-Based Reconstruction <b>2012</b> , 2012, 334-338		4
75	Demons deformable registration of CT and cone-beam CT using an iterative intensity matching approach. <i>Medical Physics</i> , <b>2011</b> , 38, 1785-98	4.4	64
74	Analysis of Fourier-domain task-based detectability index in tomosynthesis and cone-beam CT in relation to human observer performance. <i>Medical Physics</i> , <b>2011</b> , 38, 1754-68	4.4	81
73	Task-based modeling and optimization of a cone-beam CT scanner for musculoskeletal imaging. <i>Medical Physics</i> , <b>2011</b> , 38, 5612-29	4.4	41
72	Cone-Beam CT with a Flat-Panel Detector: From Image Science to Image-Guided Surgery. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 648, S241-S250	1.2	41
71	Real-time tracking and virtual endoscopy in cone-beam CT-guided surgery of the sinuses and skull base in a cadaver model. <i>International Forum of Allergy and Rhinology</i> , <b>2011</b> , 1, 70-7	6.3	25

#### (2009-2011)

70	Mobile C-arm cone-beam CT for guidance of spine surgery: image quality, radiation dose, and integration with interventional guidance. <i>Medical Physics</i> , <b>2011</b> , 38, 4563-74	4.4	90
69	Design and optimization of a dedicated cone-beam CT system for musculoskeletal extremities imaging <b>2011</b> ,		3
68	High-accuracy 3D image-based registration of endoscopic video to C-arm cone-beam CT for image-guided skull base surgery <b>2011</b> ,		8
67	Architecture of a high-performance surgical guidance system based on C-arm cone-beam CT: software platform for technical integration and clinical translation <b>2011</b> ,		4
66	A dedicated cone-beam CT system for musculoskeletal extremities imaging: design, optimization, and initial performance characterization. <i>Medical Physics</i> , <b>2011</b> , 38, 4700-13	4.4	105
65	Demons deformable registration for cone-beam CT guidance: registration of pre- and intra-operative images <b>2010</b> ,		2
64	Fusion of intraoperative cone-beam CT and endoscopic video for image-guided procedures <b>2010</b> ,		21
63	The Generalized NEQ and Detectability Index for Tomosynthesis and Cone-Beam CT: From Cascaded Systems Analysis to Human Observers. <i>Proceedings of SPIE</i> , <b>2010</b> , 7622,	1.7	6
62	Visualization of anterior skull base defects with intraoperative cone-beam CT. <i>Head and Neck</i> , <b>2010</b> , 32, 504-12	4.2	6
61	Anatomical background and generalized detectability in tomosynthesis and cone-beam CT. <i>Medical Physics</i> , <b>2010</b> , 37, 1948-65	4.4	84
60	Evaluation of sparse-view reconstruction from flat-panel-detector cone-beam CT. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 6575-99	3.8	245
59	Investigation of lung nodule detectability in low-dose 320-slice computed tomography. <i>Medical Physics</i> , <b>2009</b> , 36, 1700-10	4.4	33
58	High-performance intraoperative cone-beam CT on a mobile C-arm: an integrated system for guidance of head and neck surgery <b>2009</b> ,		17
57	Three-dimensional tomosynthesis and cone-beam computed tomography: an experimental study for fast, low-dose intraoperative imaging technology for guidance of sinus and skull base surgery. <i>Laryngoscope</i> , <b>2009</b> , 119, 434-41	3.6	19
56	Demons deformable registration for CBCT-guided procedures in the head and neck: convergence and accuracy. <i>Medical Physics</i> , <b>2009</b> , 36, 4755-64	4.4	69
55	Analysis of lung nodule detectability and anatomical clutter in tomosynthesis imaging of the chest <b>2009</b> ,		6
54	Noise aliasing and the 3D NEQ of flat-panel cone-beam CT: effect of 2D/3D apertures and sampling. <i>Medical Physics</i> , <b>2009</b> , 36, 3830-43	4.4	34
53	The influence of bowtie filtration on cone-beam CT image quality. <i>Medical Physics</i> , <b>2009</b> , 36, 22-32	4.4	130

52	Automatic image-to-world registration based on x-ray projections in cone-beam CT-guided interventions. <i>Medical Physics</i> , <b>2009</b> , 36, 1800-12	4.4	25
51	Comparison of model and human observer performance for detection and discrimination tasks using dual-energy x-ray images. <i>Medical Physics</i> , <b>2008</b> , 35, 5043-53	4.4	59
50	Cascaded systems analysis of noise reduction algorithms in dual-energy imaging. <i>Medical Physics</i> , <b>2008</b> , 35, 586-601	4.4	64
49	Deformable registration for intra-operative cone-beam CT guidance of head and neck surgery.  Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE  Engineering in Medicine and Biology Society Annual International Conference, <b>2008</b> , 2008, 3634-7	0.9	7
48	Analysis of image noise in 3D cone-beam CT: spatial and Fourier domain approaches under conditions of varying stationarity <b>2008</b> ,		10
47	Cascaded systems analysis of the 3D NEQ for cone-beam CT and tomosynthesis 2008,		11
46	Geometric calibration of a mobile C-arm for intraoperative cone-beam CT. <i>Medical Physics</i> , <b>2008</b> , 35, 21	2 <u>4-3</u> 6	58
45	Effect of fiducial configuration on target registration error in intraoperative cone-beam CT guidance of head and neck surgery. Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International	0.9	8
44	An empirical method for lag correction in cone-beam CT. <i>Medical Physics</i> , <b>2008</b> , 35, 5187-96	4.4	38
43	Cascaded systems analysis of the 3D noise transfer characteristics of flat-panel cone-beam CT. <i>Medical Physics</i> , <b>2008</b> , 35, 5510-29	4.4	91
42	Cone-beam computed tomography on a mobile C-arm: novel intraoperative imaging technology for guidance of head and neck surgery. <i>Journal of Otolaryngology - Head and Neck Surgery</i> , <b>2008</b> , 37, 81-90	5.4	12
41	Optimization of dual-energy imaging systems using generalized NEQ and imaging task. <i>Medical Physics</i> , <b>2007</b> , 34, 127-39	4.4	73
40	Intraoperative cone-beam CT for image-guided tibial plateau fracture reduction. <i>Computer Aided Surgery</i> , <b>2007</b> , 12, 195-207		31
39	Soft-tissue detectability in cone-beam CT: evaluation by 2AFC tests in relation to physical performance metrics. <i>Medical Physics</i> , <b>2007</b> , 34, 4459-71	4.4	26
38	Compensators for dose and scatter management in cone-beam computed tomography. <i>Medical Physics</i> , <b>2007</b> , 34, 2691-703	4.4	71
37	Intraoperative cone-beam CT for correction of periaxial malrotation of the femoral shaft: a surface-matching approach. <i>Medical Physics</i> , <b>2007</b> , 34, 1380-7	4.4	27
36	Optimization of image acquisition techniques for dual-energy imaging of the chest. <i>Medical Physics</i> , <b>2007</b> , 34, 3904-15	4.4	43
35	Multimode C-arm fluoroscopy, tomosynthesis, and cone-beam CT for image-guided interventions: from proof of principle to patient protocols <b>2007</b> ,		16

#### (2002-2007)

34	Image quality and localization accuracy in C-arm tomosynthesis-guided head and neck surgery.  Medical Physics, 2007, 34, 4664-77	4.4	43
33	Intraoperative cone-beam CT for guidance of head and neck surgery: Assessment of dose and image quality using a C-arm prototype. <i>Medical Physics</i> , <b>2006</b> , 33, 3767-80	4.4	156
32	A simple, direct method for x-ray scatter estimation and correction in digital radiography and cone-beam CT. <i>Medical Physics</i> , <b>2006</b> , 33, 187-97	4.4	206
31	Characterization of scattered radiation in kV CBCT images using Monte Carlo simulations. <i>Medical Physics</i> , <b>2006</b> , 33, 4320-9	4.4	129
30	Intraoperative cone-beam CT for guidance of temporal bone surgery. <i>Otolaryngology - Head and Neck Surgery</i> , <b>2006</b> , 134, 801-8	5.5	68
29	High-performance dual-energy imaging with a flat-panel detector: imaging physics from blackboard to benchtop to bedside <b>2006</b> ,		6
28	Cone-beam-CT guided radiation therapy: technical implementation. <i>Radiotherapy and Oncology</i> , <b>2005</b> , 75, 279-86	5.3	193
27	Accurate technique for complete geometric calibration of cone-beam computed tomography systems. <i>Medical Physics</i> , <b>2005</b> , 32, 968-83	4.4	182
26	Cone-beam CT with a flat-panel detector on a mobile C-arm: preclinical investigation in image-guided surgery of the head and neck <b>2005</b> ,		8
25	Investigation of C-arm cone-beam CT-guided surgery of the frontal recess. <i>Laryngoscope</i> , <b>2005</b> , 115, 21	38 <del>.4</del> 3	70
24	An innovative phantom for quantitative and qualitative investigation of advanced x-ray imaging technologies. <i>Physics in Medicine and Biology</i> , <b>2005</b> , 50, N287-97	3.8	24
23	Volume CT with a flat-panel detector on a mobile, isocentric C-arm: pre-clinical investigation in guidance of minimally invasive surgery. <i>Medical Physics</i> , <b>2005</b> , 32, 241-54	4.4	230
22	Generalized DQE analysis of radiographic and dual-energy imaging using flat-panel detectors. <i>Medical Physics</i> , <b>2005</b> , 32, 1397-413	4.4	87
21	The influence of antiscatter grids on soft-tissue detectability in cone-beam computed tomography with flat-panel detectors. <i>Medical Physics</i> , <b>2004</b> , 31, 3506-20	4.4	156
20	Spektr: a computational tool for x-ray spectral analysis and imaging system optimization. <i>Medical Physics</i> , <b>2004</b> , 31, 3057-67	4.4	199
19	Three-dimensional NEQ transfer characteristics of volume CT using direct- and indirect-detection flat-panel imagers <b>2003</b> ,		14
18	Flat-panel cone-beam computed tomography for image-guided radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2002</b> , 53, 1337-49	4	1003
17	A framework for noise-power spectrum analysis of multidimensional images. <i>Medical Physics</i> , <b>2002</b> ,		

16	Flat-panel cone-beam CT on a mobile isocentric C-arm for image-guided brachytherapy <b>2002</b> , 4682, 20	9	19
15	Unified iso-SNR approach to task-directed imaging in flat-panel cone-beam CT <b>2002</b> ,		3
14	Flat-panel cone-beam CT: a novel imaging technology for image-guided procedures 2001,		18
13	High resolution gel-dosimetry by optical-CT and MR scanning. <i>Medical Physics</i> , <b>2001</b> , 28, 1436-45	4.4	159
12	Cone-beam computed tomography with a flat-panel imager: magnitude and effects of x-ray scatter. <i>Medical Physics</i> , <b>2001</b> , 28, 220-31	4.4	414
11	Cone-beam CT with a flat-panel imager: noise considerations for fully 3D computed tomography <b>2000</b> ,		12
10	Strategies to improve the signal and noise performance of active matrix, flat-panel imagers for diagnostic x-ray applications. <i>Medical Physics</i> , <b>2000</b> , 27, 289-306	4.4	108
9	Optimization of x-ray imaging geometry (with specific application to flat-panel cone-beam computed tomography). <i>Medical Physics</i> , <b>2000</b> , 27, 1903-14	4.4	150
8	Cone-beam computed tomography with a flat-panel imager: initial performance characterization. <i>Medical Physics</i> , <b>2000</b> , 27, 1311-23	4.4	373
7	A ghost story: spatio-temporal response characteristics of an indirect-detection flat-panel imager. <i>Medical Physics</i> , <b>1999</b> , 26, 1624-41	4.4	159
6	Cone-beam computed tomography with a flat-panel imager: effects of image lag. <i>Medical Physics</i> , <b>1999</b> , 26, 2635-47	4.4	104
5	Initial performance evaluation of an indirect-detection, active matrix flat-panel imager (AMFPI) prototype for megavoltage imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1998</b> , 42, 437-54	4	74
4	DQE and system optimization for indirect-detection flat-panel imagers in diagnostic radiology <b>1998</b> ,		15
3	Signal, noise power spectrum, and detective quantum efficiency of indirect-detection flat-panel imagers for diagnostic radiology. <i>Medical Physics</i> , <b>1998</b> , 25, 614-28	4.4	156
2	Empirical and theoretical investigation of the noise performance of indirect detection, active matrix flat-panel imagers (AMFPIs) for diagnostic radiology. <i>Medical Physics</i> , <b>1997</b> , 24, 71-89	4.4	179
1	Intraoperative cone-beam CT for image-guided tibial plateau fracture reduction		3