

Hengyong Yu

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.

187
papers

4,364
citations

30
h-index

61
g-index

219
ext. papers

5,435
ext. citations

4.4
avg, IF

5.96
L-index

#	Paper	IF	Citations
187	Stabilizing deep tomographic reconstruction: Part A. Hybrid framework and experimental results. <i>Patterns</i> , 2022 , 100474	5.1	6
186	Stabilizing deep tomographic reconstruction: Part B. Convergence analysis and adversarial attacks. <i>Patterns</i> , 2022 , 100475	5.1	6
185	Haze Level Evaluation Using Dark and Bright Channel Prior Information. <i>Atmosphere</i> , 2022 , 13, 683	2.7	
184	Nondestructive multiplex detection of foodborne pathogens with background microflora and symbiosis using a paper chromogenic array and advanced neural network. <i>Biosensors and Bioelectronics</i> , 2021 , 183, 113209	11.8	5
183	A deep learning approach to gold nanoparticle quantification in computed tomography. <i>Physica Medica</i> , 2021 , 87, 83-89	2.7	
182	Image-domain Material Decomposition for Spectral CT using a Generalized Dictionary Learning. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021 , 5, 537-547	4.2	12
181	Compton-camera-based SPECT for thyroid cancer imaging. <i>Journal of X-Ray Science and Technology</i> , 2021 , 29, 111-124	2.1	1
180	CLEAR: Comprehensive Learning Enabled Adversarial Reconstruction for Subtle Structure Enhanced Low-Dose CT Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3089-3101	11.7	14
179	IEEE Access Special Section Editorial: Multi-Energy Computed Tomography and its Applications. <i>IEEE Access</i> , 2021 , 9, 117303-117305	3.5	
178	Refined Locally Linear Transform-Based Spectral-Domain Gradient Sparsity and Its Applications in Spectral CT Reconstruction. <i>IEEE Access</i> , 2021 , 9, 58537-58548	3.5	
177	MetalInv-Net: Meta Inversion Network for Sparse View CT Image Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 621-634	11.7	17
176	Machine learning-enabled non-destructive paper chromogenic array detection of multiplexed viable pathogens on food. <i>Nature Food</i> , 2021 , 2, 110-117	14.4	11
175	CT imaging of gold nanoparticles in a human-sized phantom. <i>Journal of Applied Clinical Medical Physics</i> , 2021 , 22, 337-342	2.3	3
174	TED-Net: Convolution-Free T2T Vision Transformer-Based Encoder-Decoder Dilation Network for Low-Dose CT Denoising. <i>Lecture Notes in Computer Science</i> , 2021 , 416-425	0.9	5
173	Tensor Gradient L ₁ Norm Minimization-Based Low-Dose CT and Its Application to COVID-19.. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 4503012	5.2	1
172	DRONE: Dual-Domain Residual-based Optimization NETwork for Sparse-View CT Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3002-3014	11.7	19
171	Automatic Patient-Level Detection of Coronavirus Disease (COVID-19) Using Convolutional Neural Network from Lung CT Scans. <i>Journal of Medical Imaging and Health Informatics</i> , 2021 , 11, 2722-2732	1.2	

170	Review of CT image reconstruction open source toolkits. <i>Journal of X-Ray Science and Technology</i> , 2020 , 28, 619-639	2.1	9
169	Dictionary learning based image-domain material decomposition for spectral CT. <i>Physics in Medicine and Biology</i> , 2020 , 65, 245006	3.8	7
168	Low-dose spectral CT reconstruction based on image-gradient L-norm and adaptive spectral PICCS. <i>Physics in Medicine and Biology</i> , 2020 , 65, 245005	3.8	14
167	MD-NDNet: a multi-dimensional convolutional neural network for false-positive reduction in pulmonary nodule detection. <i>Physics in Medicine and Biology</i> , 2020 , 65, 235053	3.8	4
166	Spectral CT Reconstruction Based on PICCS and Dictionary Learning. <i>IEEE Access</i> , 2020 , 8, 133367-133376	3.5	4
165	Locally linear transform based three-dimensional gradient -norm minimization for spectral CT reconstruction. <i>Medical Physics</i> , 2020 , 47, 4810-4826	4.4	1
164	Spectrum Estimation-Guided Iterative Reconstruction Algorithm for Dual Energy CT. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 246-258	11.7	10
163	Tensor framelet based iterative image reconstruction algorithm for low-dose multislice helical CT. <i>PLoS ONE</i> , 2019 , 14, e0210410	3.7	2
162	Diffractive Elements for Zero-Order Bessel Beam Generation With Application in the Terahertz Reflection Imaging. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-12	1.8	11
161	Tensor decomposition and non-local means based spectral CT image denoising. <i>Journal of X-Ray Science and Technology</i> , 2019 , 27, 397-416	2.1	6
160	Spectral CT Reconstruction ASSIST: Aided by Self-Similarity in Image-Spectral Tensors. <i>IEEE Transactions on Computational Imaging</i> , 2019 , 5, 420-436	4.5	15
159	FBP-type CT reconstruction algorithms for triple-source circular trajectory with different scanning radii. <i>Journal of X-Ray Science and Technology</i> , 2019 , 27, 665-684	2.1	2
158	A new iterative algorithm for ring artifact reduction in CT using ring total variation. <i>Medical Physics</i> , 2019 , 46, 4803-4815	4.4	2
157	Improved Material Decomposition With a Two-Step Regularization for Spectral CT. <i>IEEE Access</i> , 2019 , 7, 158770-158781	3.5	23
156	Block matching frame based material reconstruction for spectral CT. <i>Physics in Medicine and Biology</i> , 2019 , 64, 235011	3.8	9
155	A directional TV based ring artifact reduction method 2019 ,		3
154	Image gradient L-norm based PICCS for swinging multi-source CT reconstruction. <i>Optics Express</i> , 2019 , 27, 5264-5279	3.3	9
153	Generative Low-Dose CT Image Denoising. <i>Advances in Computer Vision and Pattern Recognition</i> , 2019 , 277-297	1.1	1

152	Refined locally linear transform based spectral-domain gradient sparsity and its applications in spectral CT reconstruction 2019 ,		1
151	Non-Local Low-Rank Cube-Based Tensor Factorization for Spectral CT Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 1079-1093	11.7	37
150	Evaluation of an Analytic Reconstruction Method as a Platform for Spectral Cone-beam CT. <i>IEEE Access</i> , 2018 , 6, 21314-21323	3.5	2
149	Convolutional Neural Network Based Metal Artifact Reduction in X-Ray Computed Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1370-1381	11.7	172
148	Comparison Study of Regularizations in Spectral Computed Tomography Reconstruction. <i>Sensing and Imaging</i> , 2018 , 19, 1	1.4	3
147	Low-Dose CT Image Denoising Using a Generative Adversarial Network With Wasserstein Distance and Perceptual Loss. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1348-1357	11.7	546
146	Optimization of Energy Combination for Gold-based Contrast Agents below K-edges in Dual-energy Micro-CT. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018 , 2, 187-193	4.2	6
145	Theoretically exact backprojection filtration algorithm for multi-segment linear trajectory. <i>Physics in Medicine and Biology</i> , 2018 , 63, 015037	3.8	5
144	Spatial-Spectral Cube Matching Frame for Spectral CT Reconstruction. <i>Inverse Problems</i> , 2018 , 34,	2.3	22
143	Geometry and energy constrained projection extension. <i>Journal of X-Ray Science and Technology</i> , 2018 , 26, 757-775	2.1	
142	Wavelet-based joint CT-MRI reconstruction. <i>Journal of X-Ray Science and Technology</i> , 2018 , 26, 379-393	2.1	1
141	Iterative spectral CT reconstruction based on low rank and average-image-incorporated BM3D. <i>Physics in Medicine and Biology</i> , 2018 , 63, 155021	3.8	7
140	Low-dose spectral CT reconstruction using image gradient -norm and tensor dictionary. <i>Applied Mathematical Modelling</i> , 2018 , 63, 538-557	4.5	80
139	Adaptive Nonlocal Means Method for Denoising Basis Material Images From Dual-Energy Computed Tomography. <i>Journal of Computer Assisted Tomography</i> , 2018 , 42, 972-981	2.2	2
138	Multiscale Tensor Dictionary Learning Approach for Multispectral Image Denoising. <i>IEEE Access</i> , 2018 , 6, 51898-51910	3.5	6
137	GPU-based Branchless Distance-Driven Projection and Backprojection. <i>IEEE Transactions on Computational Imaging</i> , 2017 , 3, 617-632	4.5	16
136	Singular value decomposition-based 2D image reconstruction for computed tomography. <i>Journal of X-Ray Science and Technology</i> , 2017 , 25, 113-134	2.1	1
135	Interior tomography with curvelet-based regularization. <i>Journal of X-Ray Science and Technology</i> , 2017 , 25, 1-13	2.1	6

134	Locally linear constraint based optimization model for material decomposition. <i>Physics in Medicine and Biology</i> , 2017 , 62, 8314-8340	3.8	15
133	BPF-type region-of-interest reconstruction for parallel translational computed tomography. <i>Journal of X-Ray Science and Technology</i> , 2017 , 25, 487-504	2.1	13
132	Locally Linear Embedding-Based Motion Estimation From Truncated Projections for Computed Tomography. <i>IEEE Access</i> , 2017 , 5, 11155-11165	3.5	
131	Tensor-Based Dictionary Learning for Spectral CT Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 142-154	11.7	91
130	Sparse-Prior-Based Projection Distance Optimization Method for Joint CT-MRI Reconstruction. <i>IEEE Access</i> , 2017 , 5, 20099-20110	3.5	7
129	Initial analysis of the middle problem in CT image reconstruction. <i>Journal of X-Ray Science and Technology</i> , 2017 ,	2.1	1
128	Swinging multi-source industrial CT systems for aperiodic dynamic imaging. <i>Optics Express</i> , 2017 , 25, 24215-24235	3.3	16
127	A spectral CT denoising algorithm based on weighted block matching 3D filtering 2017 ,		1
126	Reduction of metal artifacts in x-ray CT images using a convolutional neural network 2017 ,		4
125	Evaluation of GPU-Based CT Reconstruction for Morbidly Obese Patients 2017 , 4,		1
124	An adaptive reconstruction algorithm for spectral CT regularized by a reference image. <i>Physics in Medicine and Biology</i> , 2016 , 61, 8699-8719	3.8	18
123	. <i>IEEE Access</i> , 2016 , 4, 4355-4363	3.5	7
122	Ordered-subset Split-Bregman algorithm for interior tomography. <i>Journal of X-Ray Science and Technology</i> , 2016 , 24, 221-40	2.1	2
121	Cardiac CT: A system architecture study. <i>Journal of X-Ray Science and Technology</i> , 2016 , 24, 43-65	2.1	3
120	Interior tomographic imaging of mouse heart in a carbon nanotube micro-CT. <i>Journal of X-Ray Science and Technology</i> , 2016 , 24, 549-63	2.1	5
119	Robust Frame Based X-Ray CT Reconstruction. <i>Journal of Computational Mathematics</i> , 2016 , 34, 683-704	2.1	2
118	Relevance Vector Machine Based Pulmonary Nodule Classification. <i>Journal of Medical Imaging and Health Informatics</i> , 2016 , 6, 163-169	1.2	5
117	Tensor decomposition and nonlocal means based spectral CT reconstruction 2016 ,		3

116	Comparison studies of different regularizers for spectral computed tomography 2016 ,		1
115	Pseudo progression identification of glioblastoma with dictionary learning. <i>Computers in Biology and Medicine</i> , 2016 , 73, 94-101	7	11
114	Correlation coefficient based supervised locally linear embedding for pulmonary nodule recognition. <i>Computer Methods and Programs in Biomedicine</i> , 2016 , 136, 97-106	6.9	9
113	Analytic reconstruction approach for parallel translational computed tomography. <i>Journal of X-Ray Science and Technology</i> , 2015 , 23, 213-28	2.1	4
112	Tensor-based dictionary learning for dynamic tomographic reconstruction. <i>Physics in Medicine and Biology</i> , 2015 , 60, 2803-18	3.8	50
111	A General-Thresholding Solution for β (0 IEEE Transactions on Image Processing, 2015 , 24, 5455-68	8.7	45
110	Analytic reconstruction algorithms for triple-source CT with horizontal data truncation. <i>Medical Physics</i> , 2015 , 42, 6062-73	4.4	1
109	Data consistency condition for truncated projections in fan-beam geometry. <i>Journal of X-Ray Science and Technology</i> , 2015 , 23, 627-38	2.1	3
108	Dictionary-learning-based reconstruction method for electron tomography. <i>Scanning</i> , 2014 , 36, 377-383	1.6	7
107	GPU-Based Acceleration for Interior Tomography. <i>IEEE Access</i> , 2014 , 2, 757-770	3.5	10
106	SART-Type Half-Threshold Filtering Approach for CT Reconstruction. <i>IEEE Access</i> , 2014 , 2, 602-613	3.5	24
105	An improved distance-driven method for projection and backprojection. <i>Journal of X-Ray Science and Technology</i> , 2014 , 22, 1-18	2.1	8
104	Top-level design and pilot analysis of low-end CT scanners based on linear scanning for developing countries. <i>Journal of X-Ray Science and Technology</i> , 2014 , 22, 673-86	2.1	5
103	A Stationary-Sources and Rotating-Detectors Computed Tomography Architecture for Higher Temporal Resolution and Lower Radiation Dose. <i>IEEE Access</i> , 2014 , 2, 1263-1271	3.5	11
102	Dictionary Learning Based Low-Dose X-Ray CT Reconstruction 2014 , 99-119		5
101	Interior micro-CT with an offset detector. <i>Medical Physics</i> , 2014 , 41, 061915	4.4	7
100	Hybrid spectral micro-CT: system design, implementation, and preliminary results. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 246-53	5	20
99	Dictionary-learning-based reconstruction method for electron tomography. <i>Scanning</i> , 2014 , 36, 377-83	1.6	5

98	Study of scan protocol for exposure reduction in hybrid spectral micro-CT. <i>Scanning</i> , 2014 , 36, 444-55	1.6	1
97	Dictionary learning based low-dose x-ray CT reconstruction using a balancing principle 2014 ,		3
96	Scout-view assisted interior micro-CT. <i>Physics in Medicine and Biology</i> , 2013 , 58, 4297-314	3.8	19
95	The meaning of interior tomography. <i>Physics in Medicine and Biology</i> , 2013 , 58, R161-86	3.8	56
94	Energy-discriminative performance of a spectral micro-CT system. <i>Journal of X-Ray Science and Technology</i> , 2013 , 21, 335-45	2.1	11
93	Laplace operator based reconstruction algorithm for truncated spiral cone beam computed tomography. <i>Journal of X-Ray Science and Technology</i> , 2013 , 21, 515-26	2.1	1
92	Piecewise-constant-model-based interior tomography applied to dentin tubules. <i>Computational and Mathematical Methods in Medicine</i> , 2013 , 2013, 892451	2.8	3
91	Experimental studies on few-view reconstruction for high-resolution micro-CT. <i>Journal of X-Ray Science and Technology</i> , 2013 , 21, 25-42	2.1	9
90	Image reconstruction for hybrid true-color micro-CT. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 1711-9	5	64
89	Low-dose X-ray CT reconstruction via dictionary learning. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 1682-97	11.7	362
88	Towards omni-tomography--grand fusion of multiple modalities for simultaneous interior tomography. <i>PLoS ONE</i> , 2012 , 7, e39700	3.7	30
87	Preliminary experimental results from a MARS Micro-CT system. <i>Journal of X-Ray Science and Technology</i> , 2012 , 20, 199-211	2.1	9
86	Finite detector based projection model for high spatial resolution. <i>Journal of X-Ray Science and Technology</i> , 2012 , 20, 229-38	2.1	26
85	High-order total variation minimization for interior SPECT. <i>Inverse Problems</i> , 2012 , 28,	2.3	19
84	Interior tomography with continuous singular value decomposition. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 2108-19	11.7	12
83	Stereo-imaging towards spectrography for 3D analysis from a single spectral view 2012 ,		1
82	Completeness map evaluation demonstrated with candidate next-generation cardiac CT architectures. <i>Medical Physics</i> , 2012 , 39, 2405-16	4.4	17
81	Medipix-based Spectral Micro-CT 2012 , 21, 583		2

80	CT gradient image reconstruction directly from projections. <i>Journal of X-Ray Science and Technology</i> , 2011 , 19, 173-98	2.1	1
79	Compressive sensing-based interior tomography: preliminary clinical application. <i>Journal of Computer Assisted Tomography</i> , 2011 , 35, 762-4	2.2	17
78	Speedup performance analysis of parallel Katsevich algorithm for 3D CT image reconstruction. <i>International Journal of Computational Science and Engineering</i> , 2011 , 6, 151	0.4	1
77	Statistical interior tomography. <i>IEEE Transactions on Medical Imaging</i> , 2011 , 30, 1116-28	11.7	65
76	Multi-energy CT based on a prior rank, intensity and sparsity model (PRISM). <i>Inverse Problems</i> , 2011 , 27,	2.3	139
75	Gel'fand-Graev's reconstruction formula in the 3D real space. <i>Medical Physics</i> , 2011 , 38 Suppl 1, S69	4.4	8
74	Image reconstruction from limited angle projections collected by multisource interior x-ray imaging systems. <i>Physics in Medicine and Biology</i> , 2011 , 56, 6337-57	3.8	21
73	Data consistency conditionBased beam-hardening correction. <i>Optical Engineering</i> , 2011 , 50, 076501	1.1	8
72	Non-uniqueness and instability of 'ankylography'. <i>Nature</i> , 2011 , 480, E2-3	50.4	26
71	Inverse fourier transform in the gamma coordinate system. <i>International Journal of Biomedical Imaging</i> , 2011 , 2011, 285130	5.2	
70	Multibeam field emission x-ray system with half-scan reconstruction algorithm. <i>Medical Physics</i> , 2010 , 37, 3773-81	4.4	0
69	Experimental measurement of human head motion for high-resolution computed tomography system design. <i>Optical Engineering</i> , 2010 , 49, 063201	1.1	12
68	Can interior tomography outperform lambda tomography?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, E92-3, author reply E94-5	11.5	11
67	A soft-threshold filtering approach for reconstruction from a limited number of projections. <i>Physics in Medicine and Biology</i> , 2010 , 55, 3905-16	3.8	143
66	High Order Total Variation Minimization for Interior Tomography. <i>Inverse Problems</i> , 2010 , 26, 350131-350132	3.329	89
65	Adaptive beam hardening correction based on projection data consistency condition 2010 ,		1
64	SART-type image reconstruction from a limited number of projections with the sparsity constraint. <i>International Journal of Biomedical Imaging</i> , 2010 , 2010, 934847	5.2	26
63	Recent progress in local reconstruction 2010 ,		1

62	Statistical interior tomography 2010 ,		5
61	Fast exact/quasi-exact FBP algorithms for triple-source helical cone-beam CT. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 756-70	11.7	6
60	A scheme for multisource interior tomography. <i>Medical Physics</i> , 2009 , 36, 3575-81	4.4	41
59	Compressive sampling based interior reconstruction for dynamic carbon nanotube micro-CT. <i>Journal of X-Ray Science and Technology</i> , 2009 , 17, 295-303	2.1	15
58	A general total variation minimization theorem for compressed sensing based interior tomography. <i>International Journal of Biomedical Imaging</i> , 2009 , 2009, 125871	5.2	24
57	Line-source based x-ray tomography. <i>International Journal of Biomedical Imaging</i> , 2009 , 2009, 534516	5.2	2
56	Compressed sensing based interior tomography. <i>Physics in Medicine and Biology</i> , 2009 , 54, 2791-805	3.8	349
55	Supplemental analysis on compressed sensing based interior tomography. <i>Physics in Medicine and Biology</i> , 2009 , 54, N425-32	3.8	48
54	Interior SPECT- Exact and Stable ROI Reconstruction from Uniformly Attenuated Local Projections. <i>Communications in Numerical Methods in Engineering</i> , 2009 , 25, 693-710		15
53	Parallelism of iterative CT reconstruction based on local reconstruction algorithm. <i>Journal of Supercomputing</i> , 2009 , 48, 1-14	2.5	6
52	Ultra-low dose lung CT perfusion regularized by a previous scan. <i>Academic Radiology</i> , 2009 , 16, 363-73	4.3	52
51	Demonstration of dose and scatter reductions for interior computed tomography. <i>Journal of Computer Assisted Tomography</i> , 2009 , 33, 967-72	2.2	6
50	Cardiac computed tomography radiation dose reduction using interior reconstruction algorithm with the aorta and vertebra as known information. <i>Journal of Computer Assisted Tomography</i> , 2009 , 33, 338-47	2.2	5
49	Exact and stable interior ROI reconstruction for radial MRI 2009 ,		2
48	Determination of exact reconstruction regions in composite-circling cone-beam tomography. <i>Medical Physics</i> , 2009 , 36, 3448-54	4.4	1
47	An outlook on x-ray CT research and development. <i>Medical Physics</i> , 2008 , 35, 1051-64	4.4	166
46	Beam hardening correction based on HL consistency in polychromatic transmission tomography 2008 ,		3
45	Exact interior reconstruction from truncated limited-angle projection data. <i>International Journal of Biomedical Imaging</i> , 2008 , 2008, 427989	5.2	40

44	The impact of calibration phantom errors on dual-energy digital mammography. <i>Physics in Medicine and Biology</i> , 2008 , 53, 6321-36	3.8	9
43	Knowledge-based dynamic volumetric cardiac computed tomography with saddle curve trajectory. <i>Journal of Computer Assisted Tomography</i> , 2008 , 32, 942-50	2.2	2
42	A General Scheme for Velocity Tomography. <i>Signal Processing</i> , 2008 , 88, 1165-1175	4.4	3
41	Interior Reconstruction Using the Truncated Hilbert Transform via Singular Value Decomposition. <i>Journal of X-Ray Science and Technology</i> , 2008 , 16, 243-251	2.1	38
40	Data consistency based rigid motion artifact reduction in fan-beam CT. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 249-60	11.7	55
39	Lambda tomography with discontinuous scanning trajectories. <i>Physics in Medicine and Biology</i> , 2007 , 52, 4331-44	3.8	8
38	Exact interior reconstruction with cone-beam CT. <i>International Journal of Biomedical Imaging</i> , 2007 , 2007, 10693	5.2	37
37	Cone-beam composite-circling scan and exact image reconstruction for a quasi-short object. <i>International Journal of Biomedical Imaging</i> , 2007 , 2007, 87319	5.2	5
36	A comparative study on interpolation methods for controlled cardiac CT. <i>International Journal of Imaging Systems and Technology</i> , 2007 , 17, 91-98	2.5	5
35	A general formula for fan-beam lambda tomography. <i>International Journal of Biomedical Imaging</i> , 2007 , 2007, 95295	5.2	2
34	Approximate and exact cone-beam reconstruction with standard and non-standard spiral scanning. <i>Physics in Medicine and Biology</i> , 2007 , 52, R1-13	3.8	37
33	Cone-beam pseudo-lambda tomography. <i>Inverse Problems</i> , 2007 , 23, 203-215	2.3	13
32	Digital tomosynthesis aided by low-resolution exact computed tomography. <i>Journal of Computer Assisted Tomography</i> , 2007 , 31, 976-83	2.2	5
31	A segmentation-based method for metal artifact reduction. <i>Academic Radiology</i> , 2007 , 14, 495-504	4.3	69
30	A general local reconstruction approach based on a truncated hilbert transform. <i>International Journal of Biomedical Imaging</i> , 2007 , 2007, 63634	5.2	96
29	Studies on Palamodov's algorithm for cone-beam CT along a general curve. <i>Inverse Problems</i> , 2006 , 22, 447-460	2.3	4
28	Reply to the comment on Studies on Palamodov's algorithm for cone-beam CT along a general curve. <i>Inverse Problems</i> , 2006 , 22, 1505-1506	2.3	2
27	A general formula for fan-beam lambda tomography. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 10427	5.2	10

26	Cone-beam mammo-computed tomography from data along two tilting arcs. <i>Medical Physics</i> , 2006 , 33, 3621-33	4.4	9
25	Practical cone-beam lambda tomography. <i>Medical Physics</i> , 2006 , 33, 3640-6	4.4	10
24	Data consistency based translational motion artifact reduction in fan-beam CT. <i>IEEE Transactions on Medical Imaging</i> , 2006 , 25, 792-803	11.7	38
23	Integral Invariants for Computed Tomography. <i>IEEE Signal Processing Letters</i> , 2006 , 13, 549-552	3.2	9
22	Local ROI Reconstruction via Generalized FBP and BPF Algorithms along More Flexible Curves. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 14989	5.2	17
21	Development of computed tomography algorithms. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 39397	5.2	1
20	Image reconstruction via truncated lambda tomography 2006 , 6318, 491		
19	A beam hardening correction method based on HL consistency 2006 , 6318, 583		3
18	Skew cone beam lambda tomography 2006 ,		1
17	General formulation for X-ray computed tomography 2006 ,		1
16	Comparison on beam hardening correction of CT based on H-L consistency and normal water phantom experiment 2006 ,		3
15	Geometrical study on two tilting arcs based exact cone-beam CT for breast imaging 2006 , 6318, 509		
14	Projection-based bolus detection for computed tomographic angiography. <i>Journal of Computer Assisted Tomography</i> , 2006 , 30, 846-9	2.2	2
13	A Parallel Implementation of the Katsevich Algorithm for 3-D CT Image Reconstruction. <i>Journal of Supercomputing</i> , 2006 , 38, 35-47	2.5	12
12	Design, analysis and simulation for development of the first clinical micro-CT scanner. <i>Academic Radiology</i> , 2005 , 12, 511-25	4.3	30
11	A general exact reconstruction for cone-beam CT via backprojection-filtration. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 1190-8	11.7	68
10	A unified framework for exact cone-beam reconstruction formulas. <i>Medical Physics</i> , 2005 , 32, 1712-21	4.4	38
9	A differentiable Shepp-Logan phantom and its applications in exact cone-beam CT. <i>Physics in Medicine and Biology</i> , 2005 , 50, 5583-95	3.8	16

8	A backprojection-filtration algorithm for nonstandard spiral cone-beam CT with an n-PI-window. <i>Physics in Medicine and Biology</i> , 2005 , 50, 2099-111	3.8	29
7	Exact BPF and FBP algorithms for nonstandard saddle curves. <i>Medical Physics</i> , 2005 , 32, 3305-12	4.4	26
6	Feldkamp-type VOI reconstruction from super-short-scan cone-beam data. <i>Medical Physics</i> , 2004 , 31, 1357-62	4.4	26
5	Studies on artifacts of the Katsevich algorithm for spiral cone-beam CT 2004 ,		7
4	Katsevich-type algorithms for variable radius spiral cone-beam CT 2004 ,		13
3	A family of analytic algorithms for cone-beam CT 2004 ,		9
2	Exact reconstruction for cone-beam scanning along nonstandard spirals and other curves 2004 ,		16
1	Numerical studies on Feldkamp-type and Katsevich-type algorithms for cone-beam scanning along nonstandard spirals 2004 ,		1