Hengyong Yu

List of Publications by Year
in descending order

218 papers	6,496 citations	101543 36 h-index	74163 75 g-index
219 all docs	219 docs citations	219 times ranked	3806 citing authors

#	Article	IF	Citations
1	MSANet: Multiscale Aggregation Network Integrating Spatial and Channel Information for Lung Nodule Detection. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2547-2558.	6.3	14
2	Cardiac CT motion artifact grading via semi-automatic labeling and vessel tracking using synthetic image-augmented training data. Journal of X-Ray Science and Technology, 2022, 30, 433-445.	1.0	3
3	Fine-grained calibrated double-attention convolutional network for left ventricular segmentation. Physics in Medicine and Biology, 2022, 67, 055013.	3.0	4
4	Stabilizing deep tomographic reconstruction: Part A. Hybrid framework and experimental results. Patterns, 2022, 3, 100474.	5.9	16
5	Stabilizing deep tomographic reconstruction: Part B. Convergence analysis and adversarial attacks. Patterns, 2022, 3, 100475.	5.9	13
6	Haze Level Evaluation Using Dark and Bright Channel Prior Information. Atmosphere, 2022, 13, 683.	2.3	2
7	Image-Domain Material Decomposition for Spectral CT Using a Generalized Dictionary Learning. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 537-547.	3.7	20
8	Compton-camera-based SPECT for thyroid cancer imaging. Journal of X-Ray Science and Technology, 2021, 29, 111-124.	1.0	2
9	CLEAR: Comprehensive Learning Enabled Adversarial Reconstruction for Subtle Structure Enhanced Low-Dose CT Imaging. IEEE Transactions on Medical Imaging, 2021, 40, 3089-3101.	8.9	52
10	IEEE Access Special Section Editorial: Multi-Energy Computed Tomography and its Applications. IEEE Access, 2021, 9, 117303-117305.	4.2	0
11	Refined Locally Linear Transform-Based Spectral-Domain Gradient Sparsity and Its Applications in Spectral CT Reconstruction. IEEE Access, 2021, 9, 58537-58548.	4.2	1
12	MetaInv-Net: Meta Inversion Network for Sparse View CT Image Reconstruction. IEEE Transactions on Medical Imaging, 2021, 40, 621-634.	8.9	39
13	Machine learning-enabled non-destructive paper chromogenic array detection of multiplexed viable pathogens on food. Nature Food, 2021, 2, 110-117.	14.0	54
14	Nondestructive multiplex detection of foodborne pathogens with background microflora and symbiosis using a paper chromogenic array and advanced neural network. Biosensors and Bioelectronics, 2021, 183, 113209.	10.1	24
15	A deep learning approach to gold nanoparticle quantification in computed tomography. Physica Medica, 2021, 87, 83-89.	0.7	0
16	CT imaging of gold nanoparticles in a human–sized phantom. Journal of Applied Clinical Medical Physics, 2021, 22, 337-342.	1.9	8
17	TED-Net: Convolution-Free T2T Vision Transformer-Based Encoder-Decoder Dilation Network for Low-Dose CT Denoising. Lecture Notes in Computer Science, 2021, , 416-425.	1.3	22
18	Tensor Gradient Lâ‚€-Norm Minimization-Based Low-Dose CT and Its Application to COVID-19. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	4

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19	DRONE: Dual-Domain Residual-based Optimization NEtwork for Sparse-View CT Reconstruction. IEEE Transactions on Medical Imaging, 2021, 40, 3002-3014.	8.9	101
20	Automatic Patient-Level Detection of Coronavirus Disease (COVID-19) Using Convolutional Neural Network from Lung CT Scans. Journal of Medical Imaging and Health Informatics, 2021, 11, 2722-2732.	0.3	0
21	Spectrum Estimation-Guided Iterative Reconstruction Algorithm for Dual Energy CT. IEEE Transactions on Medical Imaging, 2020, 39, 246-258.	8.9	20
22	Spectral CT Reconstruction Based on PICCS and Dictionary Learning. IEEE Access, 2020, 8, 133367-133376.	4.2	8
23	Locally linear transform based three€dimensional gradient €norm minimization for spectral CT reconstruction. Medical Physics, 2020, 47, 4810-4826.	3.0	4
24	Review of CT image reconstruction open source toolkits. Journal of X-Ray Science and Technology, 2020, 28, 619-639.	1.0	16
25	Dictionary learning based image-domain material decomposition for spectral CT. Physics in Medicine and Biology, 2020, 65, 245006.	3.0	14
26	Low-dose spectral CT reconstruction based on image-gradient L_0-norm and adaptive spectral PICCS. Physics in Medicine and Biology, 2020, 65, 245005.	3.0	28
27	MD-NDNet: a multi-dimensional convolutional neural network for false-positive reduction in pulmonary nodule detection. Physics in Medicine and Biology, 2020, 65, 235053.	3.0	16
28	ELDA. , 2020, , .		0
29	FBP-type CT reconstruction algorithms for triple-source circular trajectory with different scanning radii. Journal of X-Ray Science and Technology, 2019, 27, 665-684.	1.0	2
30	A new iterative algorithm for ring artifact reduction in CT using ring total variation. Medical Physics, 2019, 46, 4803-4815.	3.0	7
31	Improved Material Decomposition With a Two-Step Regularization for Spectral CT. IEEE Access, 2019, 7, 158770-158781.	4.2	30
32	Block matching frame based material reconstruction for spectral CT. Physics in Medicine and Biology, 2019, 64, 235011.	3.0	15
33	Spectral Ct Reconstruction Via Self-Similarity In Image-Spectral Tensors. , 2019, , .		0
34	Tensor framelet based iterative image reconstruction algorithm for low-dose multislice helical CT. PLoS ONE, 2019, 14, e0210410.	2.5	2
35	Diffractive Elements for Zero-Order Bessel Beam Generation With Application in the Terahertz Reflection Imaging. IEEE Photonics Journal, 2019, 11, 1-12.	2.0	21
36	Tensor decomposition and non-local means based spectral CT image denoising. Journal of X-Ray Science and Technology, 2019, 27, 397-416.	1.0	13

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37	Spectral CT Reconstructionâ€"ASSIST: Aided by Self-Similarity in Image-Spectral Tensors. IEEE Transactions on Computational Imaging, 2019, 5, 420-436.	4.4	29
38	Non-Local Low-Rank Cube-Based Tensor Factorization for Spectral CT Reconstruction. IEEE Transactions on Medical Imaging, 2019, 38, 1079-1093.	8.9	52
39	A directional TV based ring artifact reduction method. , 2019, , .		4
40	Image gradient L_0-norm based PICCS for swinging multi-source CT reconstruction. Optics Express, 2019, 27, 5264.	3.4	13
41	Generative Low-Dose CT Image Denoising. Advances in Computer Vision and Pattern Recognition, 2019, , 277-297.	1.3	2
42	Refined locally linear transform based spectral-domain gradient sparsity and its applications in spectral CT reconstruction. , 2019, , .		1
43	Evaluation of an Analytic Reconstruction Method as a Platform for Spectral Cone-Beam CT. IEEE Access, 2018, 6, 21314-21323.	4.2	2
44	Convolutional Neural Network Based Metal Artifact Reduction in X-Ray Computed Tomography. IEEE Transactions on Medical Imaging, 2018, 37, 1370-1381.	8.9	300
45	Comparison Study of Regularizations in Spectral Computed Tomography Reconstruction. Sensing and Imaging, 2018, 19, 1.	1.5	6
46	Low-Dose CT Image Denoising Using a Generative Adversarial Network With Wasserstein Distance and Perceptual Loss. IEEE Transactions on Medical Imaging, 2018, 37, 1348-1357.	8.9	983
47	Optimization of Energy Combination for Gold-Based Contrast Agents Below $\lt$inline-formula$\gt$ $\lt$tex-math notation="LaTeX"$\gt$${K}$ $\lt$/tex-math$\gt$ $\lt$/inline-formula$\gt$-Edges in Dual-Energy Micro-CT. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 187-193.	3.7	6
48	Theoretically exact backprojection filtration algorithm for multi-segment linear trajectory. Physics in Medicine and Biology, 2018, 63, 015037.	3.0	6
49	Adaptive Nonlocal Means Method for Denoising Basis Material Images From Dual-Energy Computed Tomography. Journal of Computer Assisted Tomography, 2018, 42, 972-981.	0.9	5
50	Multiscale Tensor Dictionary Learning Approach for Multispectral Image Denoising. IEEE Access, 2018, 6, 51898-51910.	4.2	6
51	Spatial-spectral cube matching frame for spectral CT reconstruction. Inverse Problems, 2018, 34, 104003.	2.0	29
52	Geometry and energy constrained projection extension. Journal of X-Ray Science and Technology, 2018, 26, 757-775.	1.0	0
53	Wavelet-based joint CT-MRI reconstruction. Journal of X-Ray Science and Technology, 2018, 26, 379-393.	1.0	2
54	Iterative spectral CT reconstruction based on low rank and average-image-incorporated BM3D. Physics in Medicine and Biology, 2018, 63, 155021.	3.0	11

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55	Low-dose spectral CT reconstuction using image gradient ℓ„"0â€"norm and tensor dictionary. Applied Mathematical Modelling, 2018, 63, 538-557.	4.2	115
56	Multi-domain constraint based one-step selective-reconstruction method for spectral micro-CT. , 2018, , .		0
57	GPU-Based Branchless Distance-Driven Projection and Backprojection. IEEE Transactions on Computational Imaging, 2017, 3, 617-632.	4.4	21
58	Singular value decomposition-based 2D image reconstruction for computed tomography. Journal of X-Ray Science and Technology, 2017, 25, 113-134.	1.0	4
59	Interior tomography with curvelet-based regularization. Journal of X-Ray Science and Technology, 2017, 25, 1-13.	1.0	8
60	Locally linear constraint based optimization model for material decomposition. Physics in Medicine and Biology, 2017, 62, 8314-8340.	3.0	21
61	Locally Linear Embedding-Based Motion Estimation From Truncated Projections for Computed Tomography. IEEE Access, 2017, 5, 11155-11165.	4.2	0
62	Tensor-Based Dictionary Learning for Spectral CT Reconstruction. IEEE Transactions on Medical Imaging, 2017, 36, 142-154.	8.9	131
63	Sparse-Prior-Based Projection Distance Optimization Method for Joint CT-MRI Reconstruction. IEEE Access, 2017, 5, 20099-20110.	4.2	8
64	Initial analysis of the middle problem in CT image reconstruction. Journal of X-Ray Science and Technology, 2017, 25, 547-559.	1.0	1
65	Swinging multi-source industrial CT systems for aperiodic dynamic imaging. Optics Express, 2017, 25, 24215.	3.4	24
66	BPF-type region-of-interest reconstruction for parallel translational computed tomography. Journal of X-Ray Science and Technology, 2017, 25, 487-504.	1.0	15
67	A spectral CT denoising algorithm based on weighted block matching 3D filtering. , 2017, , .		5
68	Reduction of metal artifacts in x-ray CT images using a convolutional neural network. , 2017, , .		5
69	Blind image quality evaluation using the conditional histogram patterns of divisive normalization transform coefficients. , 2017, , .		0
70	Evaluation of GPU-Based CT Reconstruction for Morbidly Obese Patients. JSM Biomedical Imaging Data Papers, 2017, 4, .	0.0	1
71	Relevance Vector Machine Based Pulmonary Nodule Classification. Journal of Medical Imaging and Health Informatics, 2016, 6, 163-169.	0.3	5
72	Tensor decomposition and nonlocal means based spectral CT reconstruction. , 2016, , .		3

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73	Comparison studies of different regularizers for spectral computed tomography. , 2016, , .		2
74	Pseudo progression identification of glioblastoma with dictionary learning. Computers in Biology and Medicine, 2016, 73, 94-101.	7.0	12
75	Correlation coefficient based supervised locally linear embedding for pulmonary nodule recognition. Computer Methods and Programs in Biomedicine, 2016, 136, 97-106.	4.7	16
76	Dictionary learning-based CT detection of pulmonary nodules. Proceedings of SPIE, 2016, , .	0.8	0
77	Scalable 2D K-SVD parallel algorithm for dictionary learning on GPUs. , 2016, , .		1
78	An adaptive reconstruction algorithm for spectral CT regularized by a reference image. Physics in Medicine and Biology, 2016, 61, 8699-8719.	3.0	22
79	Alternating Iteration for <inline-formula> <tex-math notation="LaTeX">l_{p} </tex-math> </inline-formula> (l_p (<inline-formula> <tex-math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502 Td (r Reconstruction. IEEE Access, 2016, 4, 4355-4363.	4.2	9
80	Ordered-subset Split-Bregman algorithm for interior tomography. Journal of X-Ray Science and Technology, 2016, 24, 221-240.	1.0	2
81	Cardiac CT: A system architecture study. Journal of X-Ray Science and Technology, 2016, 24, 43-65.	1.0	5
82	Interior tomographic imaging of mouse heart in a carbon nanotube micro-CT. Journal of X-Ray Science and Technology, 2016, 24, 549-563.	1.0	6
83	Robust Frame Based X-Ray CT Reconstruction. Journal of Computational Mathematics, 2016, 34, 683-704.	0.4	2
84	Analytic reconstruction algorithms for triple‐source CT with horizontal data truncation. Medical Physics, 2015, 42, 6062-6073.	3.0	2
85	Data consistency condition for truncated projections in fan-beam geometry. Journal of X-Ray Science and Technology, 2015, 23, 627-638.	1.0	4
86	Bisection and twisted SVD on GPU. , 2015, , .		0
87	Analytic reconstruction approach for parallel translational computed tomography. Journal of X-Ray Science and Technology, 2015, 23, 213-228.	1.0	5
88	Guest Editorial Special Issue on Spectral CT. IEEE Transactions on Medical Imaging, 2015, 34, 693-696.	8.9	8
89	Tensor-based dictionary learning for dynamic tomographic reconstruction. Physics in Medicine and Biology, 2015, 60, 2803-2818.	3.0	99
90	A General-Thresholding Solution for l_p (0 < p < 1) Regularized CT Reconstruction. IEEE Transactions on Image Processing, 2015, 24, 5455-5468.	9.8	72

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91	An improved distance-driven method for projection and backprojection. Journal of X-Ray Science and Technology, 2014, 22, 1-18.	1.0	11
92	Top-level design and pilot analysis of low-end CT scanners based on linear scanning for developing countries. Journal of X-Ray Science and Technology, 2014, 22, 673-686.	1.0	8
93	A Stationary-Sources and Rotating-Detectors Computed Tomography Architecture for Higher Temporal Resolution and Lower Radiation Dose. IEEE Access, 2014, 2, 1263-1271.	4.2	12
94	IEEE Access Special Section Editorial: Emerging Computed Tomography Technologies. IEEE Access, 2014, 2, 1680-1682.	4.2	0
95	Dictionary Learning Based Low-Dose X-Ray CT Reconstruction. , 2014, , 99-119.		6
96	Interior microâ€CT with an offset detector. Medical Physics, 2014, 41, 061915.	3.0	17
97	Hybrid Spectral Micro-CT: System Design, Implementation, and Preliminary Results. IEEE Transactions on Biomedical Engineering, 2014, 61, 246-253.	4.2	24
98	Issue Information. Scanning, 2014, 36, 377-83.	1.5	6
99	Study of scan protocol for exposure reduction in hybrid spectral microâ€CT. Scanning, 2014, 36, 444-455.	1.5	1
100	Total variation minimization-based multimodality medical image reconstruction. , 2014, , .		0
101	Dictionary learning based low-dose x-ray CT reconstruction using a balancing principle. , 2014, , .		6
102	Dictionaryâ€learningâ€based reconstruction method for electron tomography. Scanning, 2014, 36, 377-383.	1.5	8
103	Real phantom datasets for the evaluation of reconstruction algorithms at various dose conditions. , 2014, , .		0
104	GPU-Based Acceleration for Interior Tomography. IEEE Access, 2014, 2, 757-770.	4.2	10
105	Sart-Type Half-Threshold Filtering Approach for CT Reconstruction. IEEE Access, 2014, 2, 602-613.	4.2	49
106	Scout-view assisted interior micro-CT. Physics in Medicine and Biology, 2013, 58, 4297-4314.	3.0	23
107	The meaning of interior tomography. Physics in Medicine and Biology, 2013, 58, R161-R186.	3.0	75
108	Energy-discriminative performance of a spectral micro-CT system. Journal of X-Ray Science and Technology, 2013, 21, 335-345.	1.0	12

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109	Laplace operator based reconstruction algorithm for truncated spiral cone beam computed tomography. Journal of X-Ray Science and Technology, 2013, 21, 515-526.	1.0	2
110	Piecewise-Constant-Model-Based Interior Tomography Applied to Dentin Tubules. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-8.	1.3	3
111	Experimental studies on few-view reconstruction for high-resolution micro-CT. Journal of X-Ray Science and Technology, 2013, 21, 25-42.	1.0	17
112	Spectrography for 3D analysis from a single spectral view. Proceedings of SPIE, 2013, , .	0.8	0
113	High-order total variation minimization for interior SPECT. Inverse Problems, 2012, 28, 015001.	2.0	23
114	Interior Tomography With Continuous Singular Value Decomposition. IEEE Transactions on Medical Imaging, 2012, 31, 2108-2119.	8.9	18
115	High order total variation method for interior tomography. Proceedings of SPIE, 2012, , .	0.8	1
116	An RIP-based evaluation method for candidate next generation cardiac CT architectures with carbon nanotube x-ray source. , 2012, , .		0
117	Stereo-imaging towards spectrography for 3D analysis from a single spectral view. , 2012, , .		1
118	A new CT architecture with stationary x-ray sources. Proceedings of SPIE, 2012, , .	0.8	1
119	Spectrography: volumetric reconstruction from one or two spectral views. , 2012, , .		0
120	Completeness map evaluation demonstrated with candidate next-generation cardiac CT architectures. Medical Physics, 2012, 39, 2405-2416.	3.0	22
121	Low-Dose X-ray CT Reconstruction via Dictionary Learning. IEEE Transactions on Medical Imaging, 2012, 31, 1682-1697.	8.9	494
122	Towards Omni-Tomography—Grand Fusion of Multiple Modalities for Simultaneous Interior Tomography. PLoS ONE, 2012, 7, e39700.	2.5	38
123	Preliminary experimental results from a MARS Micro-CT system. Journal of X-Ray Science and Technology, 2012, 20, 199-211.	1.0	10
124	Finite detector based projection model for high spatial resolution. Journal of X-Ray Science and Technology, 2012, 20, 229-238.	1.0	30
125	Image Reconstruction for Hybrid True-Color Micro-CT. IEEE Transactions on Biomedical Engineering, 2012, 59, 1711-1719.	4.2	81
126	Medipix-based Spectral Micro-CT. CT Lilun Yu Yingyong Yanjiu, 2012, 21, 583.	0.0	2

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127	Multi-energy CT based on a prior rank, intensity and sparsity model (PRISM). Inverse Problems, 2011, 27, 115012.	2.0	191
128	CT gradient image reconstruction directly from projections. Journal of X-Ray Science and Technology, 2011, 19, 173-198.	1.0	1
129	Compressive Sensingâ€"Based Interior Tomography. Journal of Computer Assisted Tomography, 2011, 35, 762-764.	0.9	23
130	Speedup performance analysis of parallel Katsevich algorithm for 3D CT image reconstruction. International Journal of Computational Science and Engineering, 2011, 6, 151.	0.5	1
131	Statistical Interior Tomography. IEEE Transactions on Medical Imaging, 2011, 30, 1116-1128.	8.9	77
132	Gel'fand-Graev's reconstruction formula in the 3D real space. Medical Physics, 2011, 38, S69-S75.	3.0	9
133	Image reconstruction from limited angle projections collected by multisource interior x-ray imaging systems. Physics in Medicine and Biology, 2011, 56, 6337-6357.	3.0	24
134	Data consistency conditionâ€"based beam-hardening correction. Optical Engineering, 2011, 50, 076501.	1.0	10
135	Interior tomography from low-count local projections and associated Hilbert transform data. , 2011, , .		0
136	Non-uniqueness and instability of â€˜ankylographyâ€™. Nature, 2011, 480, E2-E3.	27.8	36
137	Noise reduction by projection direction dependent diffusion for low dose fan-beam x-ray computed tomography. , 2011, , .		0
138	Inverse Fourier Transform in the Gamma Coordinate System. International Journal of Biomedical Imaging, 2011, 2011, 1-16.	3.9	0
139	SART-Type Image Reconstruction from Overlapped Projections. International Journal of Biomedical Imaging, 2011, 2011, 1-7.	3.9	7
140	Fast Exact/Quasi-Exact FBP Algorithms for Triple-Source Helical Cone-Beam CT. IEEE Transactions on Medical Imaging, 2010, 29, 756-770.	8.9	7
141	Multibeam field emission xâ€ray system with halfâ€scan reconstruction algorithm. Medical Physics, 2010, 37, 3773-3781.	3.0	3
142	Experimental measurement of human head motion for high-resolution computed tomography system design. Optical Engineering, 2010, 49, 063201.	1.0	16
143	Can interior tomography outperform lambda tomography?. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, E92-3, author reply E94-5.	7.1	12
144	A soft-threshold filtering approach for reconstruction from a limited number of projections. Physics in Medicine and Biology, 2010, 55, 3905-3916.	3.0	176

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145	High-order total variation minimization for interior tomography. Inverse Problems, 2010, 26, 035013.	2.0	115
146	Adaptive beam hardening correction based on projection data consistency condition. , 2010, , .		1
147	SART-Type Image Reconstruction from a Limited Number of Projections with the Sparsity Constraint. International Journal of Biomedical Imaging, 2010, 2010, 1-9.	3.9	33
148	Recent progress in local reconstruction. , 2010, , .		1
149	Statistical interior tomography. Proceedings of SPIE, 2010, , .	0.8	7
150	Determination of exact reconstruction regions in composite-circling cone-beam tomography. Medical Physics, 2009, 36, 3448-3454.	3.0	1
151	A scheme for multisource interior tomography. Medical Physics, 2009, 36, 3575-3581.	3.0	49
152	A study on spiral cone beam scanning mode for preclinical micro-CT. , 2009, , .		0
153	Compressive sampling based interior reconstruction for dynamic carbon nanotube micro-CT. Journal of X-Ray Science and Technology, 2009, 17, 295-303.	1.0	20
154	A General Total Variation Minimization Theorem for Compressed Sensing Based Interior Tomography. International Journal of Biomedical Imaging, 2009, 2009, 1-3.	3.9	33
155	Line-Source Based X-Ray Tomography. International Journal of Biomedical Imaging, 2009, 2009, 1-8.	3.9	4
156	Compressed sensing based interior tomography. Physics in Medicine and Biology, 2009, 54, 2791-2805.	3.0	458
157	Compressed sensing based interior tomography. Physics in Medicine and Biology, 2009, 54, 4341-4341.	3.0	4
158	Supplemental analysis on compressed sensing based interior tomography. Physics in Medicine and Biology, 2009, 54, N425-N432.	3.0	59
159	Interior SPECTâ€"exact and stable ROI reconstruction from uniformly attenuated local projections. Communications in Numerical Methods in Engineering, 2009, 25, 693-710.	1.3	19
160	Parallelism of iterative CT reconstruction based onÂlocal reconstruction algorithm. Journal of Supercomputing, 2009, 48, 1-14.	3.6	6
161	Ultra-low Dose Lung CT Perfusion Regularized by a Previous Scan. Academic Radiology, 2009, 16, 363-373.	2.5	68
162	Demonstration of Dose and Scatter Reductions for Interior Computed Tomography. Journal of Computer Assisted Tomography, 2009, 33, 967-972.	0.9	7

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163	Cardiac Computed Tomography Radiation Dose Reduction Using Interior Reconstruction Algorithm With the Aorta and Vertebra as Known Information. Journal of Computer Assisted Tomography, 2009, 33, 338-347.	0.9	5
164	Exact and stable interior ROI reconstruction for radial MRI. , 2009, , .		3
165	Scatter correction algorithm without extra exposure for dual-energy digital mammography. , 2009, , .		1
166	A general scheme for velocity tomography. Signal Processing, 2008, 88, 1165-1175.	3.7	3
167	An outlook on x‑ray CT research and development. Medical Physics, 2008, 35, 1051-1064.	3.0	218
168	Determination of the exact reconstruction region in the cone-beam composite-circling mode. , 2008, , .		0
169	Beam hardening correction based on HL consistency in polychromatic transmission tomography. , 2008, , .		5
170	Interior tomography: theory, algorithms and applications. , 2008, , .		3
171	Exact Interior Reconstruction from Truncated Limited-Angle Projection Data. International Journal of Biomedical Imaging, 2008, 2008, 1-6.	3.9	51
172	The impact of calibration phantom errors on dual-energy digital mammography. Physics in Medicine and Biology, 2008, 53, 6321-6336.	3.0	11
173	Knowledge-Based Dynamic Volumetric Cardiac Computed Tomography With Saddle Curve Trajectory. Journal of Computer Assisted Tomography, 2008, 32, 942-950.	0.9	3
174	Interior Reconstruction Using the Truncated Hilbert Transform via Singular Value Decomposition. Journal of X-Ray Science and Technology, 2008, 16, 243-251.	1.0	41
175	A General Formula for Fan-Beam Lambda Tomography (Erratum). International Journal of Biomedical Imaging, 2007, 2007, 1-1.	3.9	10
176	Approximate and exact cone-beam reconstruction with standard and non-standard spiral scanning. Physics in Medicine and Biology, 2007, 52, R1-R13.	3.0	49
177	Cone-beam pseudo-lambda tomography. Inverse Problems, 2007, 23, 203-215.	2.0	16
178	Digital Tomosynthesis Aided by Low-Resolution Exact Computed Tomography. Journal of Computer Assisted Tomography, 2007, 31, 976-983.	0.9	5
179	A Segmentation-Based Method for Metal Artifact Reduction. Academic Radiology, 2007, 14, 495-504.	2.5	93
180	A General Local Reconstruction Approach Based on a Truncated Hilbert Transform. International Journal of Biomedical Imaging, 2007, 2007, 1-8.	3.9	136

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181	Data Consistency Based Rigid Motion Artifact Reduction in Fan-Beam CT. IEEE Transactions on Medical Imaging, 2007, 26, 249-260.	8.9	70
182	Lambda tomography with discontinuous scanning trajectories. Physics in Medicine and Biology, 2007, 52, 4331-4344.	3.0	8
183	Exact Interior Reconstruction with Cone-Beam CT. International Journal of Biomedical Imaging, 2007, 2007, 1-5.	3.9	49
184	Cone-Beam Composite-Circling Scan and Exact Image Reconstruction for a Quasi-Short Object. International Journal of Biomedical Imaging, 2007, 2007, 1-10.	3.9	6
185	A comparative study on interpolation methods for controlled cardiac CT. International Journal of Imaging Systems and Technology, 2007, 17, 91-98.	4.1	5
186	Practical cone-beam lambda tomography. Medical Physics, 2006, 33, 3640-3646.	3.0	14
187	Data consistency based translational motion artifact reduction in fan-beam CT. IEEE Transactions on Medical Imaging, 2006, 25, 792-803.	8.9	48
188	Integral Invariants for Computed Tomography. IEEE Signal Processing Letters, 2006, 13, 549-552.	3.6	13
189	Local ROI Reconstruction via Generalized FBP and BPF Algorithms along More Flexible Curves. International Journal of Biomedical Imaging, 2006, 2006, 1-7.	3.9	28
190	Development of Computed Tomography Algorithms. International Journal of Biomedical Imaging, 2006, 2006, 1-3.	3.9	4
191	Image reconstruction via truncated lambda tomography. , 2006, 6318, 491.		0
192	A beam hardening correction method based on HL consistency. , 2006, 6318, 583.		7
193	Skew cone beam lambda tomography. , 2006, , .		1
194	General formulation for X-ray computed tomography. , 2006, , .		1
195	Comparison on beam hardening correction of CT based on H-L consistency and normal water phantom experiment. , 2006, , .		7
196	Analytic simulation scheme for x-ray projections based on physics model. , 2006, , .		2
197	Geometrical study on two tilting arcs based exact cone-beam CT for breast imaging. , 2006, 6318, 509.		0
198	Practical cone-beam lambda tomography. , 2006, , .		1

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199	Projection-based Bolus Detection for Computed Tomographic Angiography. Journal of Computer Assisted Tomography, 2006, 30, 846-849.	0.9	2
200	A Parallel Implementation of the Katsevich Algorithm for 3-D CT Image Reconstruction. Journal of Supercomputing, 2006, 38, 35-47.	3.6	20
201	Deployment of One-Sided Communication Technique for Parallel Computing in Katsevich CT Image Reconstruction. , 2006, , .		0
202	Analysis of Performance Evaluation of Parallel Katsevich Algorithm for 3-D CT Image Reconstruction. , 2006, , .		0
203	Studies on Palamodov's algorithm for cone-beam CT along a general curve. Inverse Problems, 2006, 22, 447-460.	2.0	5
204	Reply to the comment on 'Studies on Palamodov's algorithm for cone-beam CT along a general curve'. Inverse Problems, 2006, 22, 1505-1506.	2.0	2
205	A General Formula for Fan-Beam Lambda Tomography. International Journal of Biomedical Imaging, 2006, 2006, 1-9.	3.9	10
206	Cone-beam mammo-computed tomography from data along two tilting arcs. Medical Physics, 2006, 33, 3621-3633.	3.0	9
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