Xiaochuan Pan

List of Publications by Year
in descending order

223 papers	6,006 citations	136740 32 h-index	74018 75 g-index
224 all docs	224 docs citations	224 times ranked	2886 citing authors

#	Article	IF	Citations
1	Image reconstruction in circular cone-beam computed tomography by constrained, total-variation minimization. Physics in Medicine and Biology, 2008, 53, 4777-4807.	1.6	1,612
2	Why do commercial CT scanners still employ traditional, filtered back-projection for image reconstruction?. Inverse Problems, 2009, 25, 123009.	1.0	417
3	Exact image reconstruction on PI-lines from minimum data in helical cone-beam CT. Physics in Medicine and Biology, 2004, 49, 941-959.	1.6	316
4	Evaluation of sparse-view reconstruction from flat-panel-detector cone-beam CT. Physics in Medicine and Biology, 2010, 55, 6575-6599.	1.6	314
5	Convex optimization problem prototyping for image reconstruction in computed tomography with the Chambolle–Pock algorithm. Physics in Medicine and Biology, 2012, 57, 3065-3091.	1.6	273
6	Enhanced imaging of microcalcifications in digital breast tomosynthesis through improved image‐reconstruction algorithms. Medical Physics, 2009, 36, 4920-4932.	1.6	157
7	Image reconstruction in regions-of-interest from truncated projections in a reduced fan-beam scan. Physics in Medicine and Biology, 2005, 50, 13-27.	1.6	136
8	Algorithm-Enabled Low-Dose Micro-CT Imaging. IEEE Transactions on Medical Imaging, 2011, 30, 606-620.	5.4	123
9	Image reconstruction on PI-lines by use of filtered backprojection in helical cone-beam CT. Physics in Medicine and Biology, 2004, 49, 2717-2731.	1.6	118
10	An algorithm for constrained one-step inversion of spectral CT data. Physics in Medicine and Biology, 2016, 61, 3784-3818.	1.6	118
11	Quantifying Admissible Undersampling for Sparsity-Exploiting Iterative Image Reconstruction in X-Ray CT. IEEE Transactions on Medical Imaging, 2013, 32, 460-473.	5.4	117
12	Optimization-based reconstruction of sparse images from few-view projections. Physics in Medicine and Biology, 2012, 57, 5245-5273.	1.6	98
13	Region of interest reconstruction from truncated data in circular cone-beam CT. IEEE Transactions on Medical Imaging, 2006, 25, 869-881.	5.4	89
14	A constrained, total-variation minimization algorithm for low-intensity x-ray CT. Medical Physics, 2011, 38, S117-S125.	1.6	87
15	An extended data function and its generalized backprojection for image reconstruction in helical cone-beam CT. Physics in Medicine and Biology, 2004, 49, N383-N387.	1.6	77
16	Theory and algorithms for image reconstruction on chords and within regions of interest. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 2372.	0.8	77
17	Image reconstruction in peripheral and central regions-of-interest and data redundancy. Medical Physics, 2005, 32, 673-684.	1.6	76
18	Constrained <formula formulatype="inline"><tex Notation="TeX">${m T}p{m V}$</tex> </formula> Minimization for Enhanced Exploitation of Gradient Sparsity: Application to CT Image Reconstruction. IEEE Journal of Translational Engineering in Health and Medicine, 2014, 2, 1-18.	2.2	68

#	Article	IF	Citations
19	Optimization-based image reconstruction from sparse-view data in offset-detector CBCT. Physics in Medicine and Biology, 2013, 58, 205-230.	1.6	67
20	Optimal noise control in and fast reconstruction of fan-beam computed tomography image. Medical Physics, 1999, 26, 689-697.	1.6	63
21	A unified analysis of FBP-based algorithms in helical cone-beam and circular cone- and fan-beam scans. Physics in Medicine and Biology, 2004, 49, 4349-4369.	1.6	55
22	Image reconstruction and scan configurations enabled by optimization-based algorithms in multispectral CT. Physics in Medicine and Biology, 2017, 62, 8763-8793.	1.6	55
23	Image reconstruction with shift-variant filtration and its implication for noise and resolution properties in fan-beam computed tomography. Medical Physics, 2003, 30, 590-600.	1.6	52
24	Anniversary Paper: Development of x-ray computed tomography: The role of *Medical Physics* and *AAPM* from the 1970s to present. Medical Physics, 2008, 35, 3728-3739.	1.6	52
25	Artifact reduction in short-scan CBCT by use of optimization-based reconstruction. Physics in Medicine and Biology, 2016, 61, 3387-3406.	1.6	48
26	Image reconstruction exploiting object sparsity in boundary-enhanced X-ray phase-contrast tomography. Optics Express, 2010, 18, 10404.	1.7	47
27	Investigation of iterative image reconstruction in low-dose breast CT. Physics in Medicine and Biology, 2014, 59, 2659-2685.	1.6	47
28	A hybrid approach to reducing computed tomography metal artifacts in intracavitary brachytherapy. Brachytherapy, 2005, 4, 18-23.	0.2	46
29	Minimum data image reconstruction algorithms with shift-invariant filtering for helical, cone-beam CT. Physics in Medicine and Biology, 2005, 50, 1643-1657.	1.6	44
30	Directional-TV algorithm for image reconstruction from limited-angular-range data. Medical Image Analysis, 2021, 70, 102030.	7.0	40
31	Investigation of optimization-based reconstruction with an image-total-variation constraint in PET. Physics in Medicine and Biology, 2016, 61, 6055-6084.	1.6	35
32	Region-of-interest image reconstruction with intensity weighting in circular cone-beam CT for image-guided radiation therapy. Medical Physics, 2009, 36, 1184-1192.	1.6	34
33	Nonparametric regression sinogram smoothing using a roughness-penalized Poisson likelihood objective function. IEEE Transactions on Medical Imaging, 2000, 19, 773-786.	5.4	33
34	Analysis of iterative region-of-interest image reconstruction for x-ray computed tomography. Journal of Medical Imaging, 2014, 1, 031007.	0.8	32
35	Optimization-based image reconstruction with artifact reduction in C-arm CBCT. Physics in Medicine and Biology, 2016, 61, 7300-7333.	1.6	32
36	Partial volume and aliasing artefacts in helical cone-beam CT. Physics in Medicine and Biology, 2004, 49, 2365-2375.	1.6	28

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37	Image reconstruction from few views by non-convex optimization. , 2007, , .		27
38	Do CNNs Solve the CT Inverse Problem?. IEEE Transactions on Biomedical Engineering, 2021, 68, 1799-1810.	2.5	27
39	Accurate image reconstruction using DOI information and its implications for the development of compact PET systems. IEEE Transactions on Nuclear Science, 2000, 47, 1551-1560.	1.2	24
40	Half-scan fan-beam computed tomography with improved noise and resolution properties. Medical Physics, 2003, 30, 2629-2637.	1.6	24
41	Region‐of‐interest image reconstruction in circular cone‐beam microCT. Medical Physics, 2007, 34, 4923-4933.	1.6	24
42	Algorithm‐enabled partial‐angular‐scan configurations for dual‐energy CT. Medical Physics, 2018, 45, 1857-1870.	1.6	24
43	Algorithm-enabled exploration of image-quality potential of cone-beam CT in image-guided radiation therapy. Physics in Medicine and Biology, 2015, 60, 4601-4633.	1.6	23
44	Non-convex primal-dual algorithm for image reconstruction in spectral CT. Computerized Medical Imaging and Graphics, 2021, 87, 101821.	3.5	23
45	Estimating the spectrum in computed tomography via Kullback–Leibler divergence constrained optimization. Medical Physics, 2019, 46, 81-92.	1.6	22
46	First‐order convex feasibility algorithms for x‐ray CT. Medical Physics, 2013, 40, 031115.	1.6	21
47	Dual-energy CT imaging with limited-angular-range data. Physics in Medicine and Biology, 2021, 66, 185020.	1.6	21
48	A preliminary investigation of local tomography for megavoltage CT imaging. Medical Physics, 2003, 30, 2969-2980.	1.6	20
49	PI-line-based image reconstruction in helical cone-beam computed tomography with a variable pitch. Medical Physics, 2005, 32, 2639-2648.	1.6	20
50	Recovering a compactly supported function from knowledge of its Hilbert transform on a finite interval. IEEE Signal Processing Letters, 2005, 12, 97-100.	2.1	20
51	Exact reconstruction of volumetric images in reverse helical cone-beam CT. Medical Physics, 2008, 35, 3030-3040.	1.6	20
52	Image reconstruction with a shift-variant filtration in circular cone-beam CT. International Journal of Imaging Systems and Technology, 2004, 14, 213-221.	2.7	18
53	Task‐based optimization of dedicated breast CT via Hotelling observer metrics. Medical Physics, 2014, 41, 101917.	1.6	18
54	Noise properties of CT images reconstructed by use of constrained total‐variation, data‐discrepancy minimization. Medical Physics, 2015, 42, 2690-2698.	1.6	18

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55	Accurate image reconstruction in circular cone-beam computed tomography by total variation minimization: a preliminary investigation. , 2006, , .		17
56	Local cone-beam tomography image reconstruction on chords. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 1569.	0.8	17
57	Effect of the data constraint on few-view, fan-beam CT image reconstruction by TV minimization. , 2006, , .		16
58	Optimization-based image reconstruction from sparsely sampled data in electron paramagnetic resonance imaging. Journal of Magnetic Resonance, 2018, 294, 24-34.	1.2	16
59	Reconstruction of refractive index discontinuities from truncated phase-contrast tomography projections. Applied Physics Letters, 2005, 86, 034102.	1.5	15
60	A BPFâ€FBP tandem algorithm for image reconstruction in reverse helical coneâ€beam CT. Medical Physics, 2010, 37, 32-39.	1.6	15
61	Empirical average-case relation between undersampling and sparsity in X-ray CT. Inverse Problems and Imaging, 2015, 9, 431-446.	0.6	15
62	Image restoration and reconstruction with a Bayesian approach. Medical Physics, 1998, 25, 600-613.	1.6	14
63	Report on the AAPM deepâ€learning sparseâ€view CT grand challenge. Medical Physics, 2022, 49, 4935-4943.	1.6	13
64	X-ray tomography system to investigate granular materials during mechanical loading. Review of Scientific Instruments, 2014, 85, 083708.	0.6	11
65	Optimization-Based Image Reconstruction From Low-Count, List-Mode TOF-PET Data. IEEE Transactions on Biomedical Engineering, 2018, 65, 936-946.	2.5	11
66	Addressing CT metal artifacts using photonâ€counting detectors and oneâ€step spectral CT image reconstruction. Medical Physics, 2022, 49, 3021-3040.	1.6	11
67	Short-scan SPECT imaging with non-uniform attenuation and 3D distance-dependent spatial resolution. Physics in Medicine and Biology, 2002, 47, 2811-2833.	1.6	10
68	Volume Image Reconstruction from a Straight-Line Source Trajectory. , 0, , .		10
69	Noise Properties of Chord-Image Reconstruction. IEEE Transactions on Medical Imaging, 2007, 26, 1328-1344.	5.4	10
70	Investigating simulationâ€based metrics for characterizing linear iterative reconstruction in digital breast tomosynthesis. Medical Physics, 2017, 44, e279-e296.	1.6	10
71	High-Resolution Full-3D Specimen Imaging for Lumpectomy Margin Assessment in Breast Cancer. Annals of Surgical Oncology, 2021, 28, 5513-5524.	0.7	10
72	Noise propagation in diffraction tomography: comparison of conventional algorithms with a new reconstruction algorithm. IEEE Transactions on Nuclear Science, 1998, 45, 2216-2223.	1.2	9

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73	Fast reconstruction with uniform noise properties in halfscan computed tomography. Medical Physics, 2000, 27, 2031-2036.	1.6	9
74	Transmission image reconstruction and redundant information in SPECT with asymmetric fanbeam collimation. IEEE Transactions on Nuclear Science, 2001, 48, 1357-1363.	1.2	9
75	Image reconstruction in regions of interest from truncated Radon transforms of even dimensions. Inverse Problems, 2005, 21, 1169-1177.	1.0	9
76	Region-of-interest reconstruction of motion-contaminated data using a weighted backprojection filtration algorithm. Medical Physics, 2006, 33, 1222-1238.	1.6	9
77	Targeted-ROI imaging in electron paramagnetic resonance imaging. Journal of Magnetic Resonance, 2007, 187, 66-77.	1.2	9
78	Image reconstruction in reduced circular sinusoidal cone-beam CT. Journal of X-Ray Science and Technology, 2009, 17, 189-205.	0.7	9
79	A Bayesian approach for edge detection in medical ultrasound images. IEEE Transactions on Nuclear Science, 1998, 45, 3089-3096.	1.2	8
80	Analysis of 3D SPECT image reconstruction and its extension to ultrasonic diffraction tomography. IEEE Transactions on Nuclear Science, 1998, 45, 1308-1316.	1.2	8
81	Fourier-based approach to interpolation in single-slice helical computed tomography. Medical Physics, 2001, 28, 381-392.	1.6	8
82	Ï€-scheme short-scan SPECT and image reconstruction with nonuniform attenuation.. IEEE Transactions on Nuclear Science, 2003, 50, 87-96.	1.2	8
83	A rebinned backprojection-filtration algorithm for image reconstruction in helical cone-beam CT. Physics in Medicine and Biology, 2007, 52, 5497-5508.	1.6	8
84	A new reconstruction approach for reflection mode diffraction tomography. IEEE Transactions on Image Processing, 2000, 9, 1262-1271.	6.0	7
85	Favorable noise uniformity properties of Fourier-based interpolation and reconstruction approaches in single-slice helical computed tomography. Medical Physics, 2002, 29, 943-951.	1.6	7
86	Ï€-scheme short-scan SPECT and image reconstruction. , 0, , .		7
87	In-depth analysis of cone-beam CT image reconstruction by ideal observer performance on a detection task. , 2008, , .		7
88	Investigation of sparse data mouse imaging using micro-CT with a carbon-nanotube-based X-ray source. Tsinghua Science and Technology, 2010, 15, 74-78.	4.1	7
89	Non-circular cone beam CT trajectories: A preliminary investigation on a clinical scanner. , 2010, , .		7
90	A general approach for multidimensional smoothing. Medical Physics, 1998, 25, 562-570.	1.6	6

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91	Spatial-resolution enhancement in computed tomography. IEEE Transactions on Medical Imaging, 2005, 24, 246-253.	5.4	6
92	Backprojection–filtration reconstruction without invoking a spatially varying weighting factor. Medical Physics, 2010, 37, 1201-1209.	1.6	6
93	Frequency extrapolation by nonconvex compressive sensing. , 2011, , .		6
94	Collision-avoiding imaging trajectories for linac mounted cone-beam CT. Journal of X-Ray Science and Technology, 2019, 27, 1-16.	0.7	6
95	Dual-energy CT imaging over non-overlapping, orthogonal arcs of limited-angular ranges. Journal of X-Ray Science and Technology, 2021, 29, 975-985.	0.7	6
96	Preliminary investigation of optimization-based image reconstruction for TOF PET with sparse configurations. , 2019, , .		6
97	Imaging of fiber-like structures in digital breast tomosynthesis. Journal of Medical Imaging, 2019, 6, 1.	0.8	5
98	Quasi-bandlimited properties of Radon transforms and their implications for increasing angular sampling densities. IEEE Transactions on Medical Imaging, 1998, 17, 395-406.	5.4	4
99	Reconstruction of 3D Regions-of-Interest from Data in Reduced Helical Cone-beam Scans. Technology in Cancer Research and Treatment, 2005, 4, 143-150.	0.8	4
100	Accurate image reconstruction in CT from projection data taken at few-views. , 2006, 6142, 784.		4
101	Region of Interest Reconstruction in X-Ray Fluorescence Computed Tomography for Negligible Attenuation. IEEE Transactions on Nuclear Science, 2010, 57, 234-241.	1.2	4
102	Optimizing algorithm parameters based on a model observer detection task for image reconstruction in digital breast tomosynthesis. , 2011, , .		4
103	Use of the Hotelling observer to optimize image reconstruction in digital breast tomosynthesis. Journal of Medical Imaging, 2015, 3, 011008.	0.8	4
104	Image reconstruction from data over two orthogonal arcs of limited–angular ranges. Medical Physics, 2022, 49, 1468-1480.	1.6	4
105	Fast implementation and quantitative evaluation of analytical methods with Wiener filters for image reconstruction in 3D SPECT. IEEE Transactions on Nuclear Science, 1999, 46, 1100-1109.	1.2	3
106	Consistency conditions and linear reconstruction methods in diffraction tomography. IEEE Transactions on Medical Imaging, 2000, 19, 51-54.	5.4	3
107	Mathematical formulation of the potato peeler perspective. , 0, , .		3
108	Exact image reconstruction in a helical cone-beam scan with a variable pitch. , 0, , .		3

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109	Three-term exact FBP reconstruction in cone-beam helical CT. , 0, , .		3
110	Exact ROI Image Reconstruction with Perturbed Source Trajectories in C-Arm CT. , 0, , .		3
111	A preliminary investigation of using prior information for potentially improving image reconstruction in few-view CT. , 2008, , .		3
112	Region of interest imaging for a general trajectory with the rebinned BPF algorithm. Tsinghua Science and Technology, 2010, 15, 68-73.	4.1	3
113	Region of interest based Hotelling observer for computed tomography with comparison to alternative methods. Journal of Medical Imaging, 2014, 1, 031010.	0.8	3
114	Basis-image reconstruction directly from sparse-view data in spectral CT. , 2014, , .		3
115	An investigation of regularization for basis image reconstruction in spectral CT. , 2015, , .		3
116	Impact of angular sampling interval on image reconstruction from limited-angular-range data. , 2022, , .		3
117	FFT-based approach to longitudinal interpolation in single- and multi-slice helical CT. , 0, , .		2
118	Reflectivity tomography using temporally truncated data. , 0, , .		2
119	Iterative image reconstruction with variable resolution in CT. , 2011, , .		2
120	Ensuring convergence in total-variation-based reconstruction for accurate microcalcification imaging in breast X-ray CT. , 2011, , .		2
121	Constrained TV-minimization image reconstruction for industrial CT system. AIP Conference Proceedings, 2014, , .	0.3	2
122	TV-constrained incremental algorithms for low-intensity CT image reconstruction. , 2015, , .		2
123	Dynamic intensity-weighted region of interest imaging for conebeam CT. Journal of X-Ray Science and Technology, 2016, 24, 361-377.	0.7	2
124	TV constrained CT image reconstruction with discretized natural pixels. , 2016, , .		2
125	Optimization-based algorithm for solving the discrete x-ray transform with nonlinear partial volume effect. Journal of Medical Imaging, 2020, 7, 053502.	0.8	2
126	B-spline based weighting functions for helical CT. , 0, , .		1

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127	A detailed investigation of non-iterative methods for 3D SPECT image reconstruction. , 0, , .		1
128	Evaluation of analytical methods for fast and accurate image reconstruction in 3D SPECT. , 0, , .		1
129	A general technique for smoothing multi-dimensional datasets utilizing orthogonal expansions and lower dimensional smoothers. , 0, , .		1
130	A comparative study of image reconstructions in SPECT and ultrasonic diffraction tomography. IEEE Transactions on Nuclear Science, 1999, 46, 527-534.	1.2	1
131	A novel approach for multidimensional interpolation. IEEE Signal Processing Letters, 1999, 6, 38-40.	2.1	1
132	Multidimensional smoothing using orthogonal expansions. IEEE Signal Processing Letters, 1999, 6, 91-94.	2.1	1
133	Toward optimal noniterative reconstruction for 3D SPECT with uniform attenuation and distance-dependent spatial resolution. IEEE Transactions on Nuclear Science, 2002, 49, 774-781.	1.2	1
134	Numerically robust minimal-scan reconstruction algorithms for diffraction tomography via radon transform inversion. International Journal of Imaging Systems and Technology, 2002, 12, 84-91.	2.7	1
135	Sampling and aliasing consequences of quarter-detector offset use in helical CT. , 0, , .		1
136	Data truncation and the exterior reconstruction problem in reflection-mode tomography. , 0, , .		1
137	Reconstructions from parallel- and fan-beam data with truncations. , 2006, , .		1
138	Performance Evaluation of a Prototype Micro-CT System. , 2006, , .		1
139	A Rebinning-type Backprojection-Filtration Algorithm for Image Reconstruction in Helical Cone-beam CT. , 2006, , .		1
140	Estimation of lesion position in computed tomography. , 2007, , .		1
141	Boundary-enhanced region-of-interest image reconstruction in propagation-based x-ray phase-contrast tomography. Applied Physics Letters, 2009, 95, 244101.	1.5	1
142	Initial experience in image reconstruction from limited-angle C-arm CBCT data. , 2011, , .		1
143	Sparse-view image reconstruction from gated cardiac data. , 2011, , .		1
144	Convergence of iterative image reconstruction algorithms for Digital Breast Tomosynthesis. , 2012, , .		1

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145	Constrained TV-minimization reconstruction from exterior CT data. , 2013, , .		1
146	Enhancing tissue structures with iterative image reconstruction for digital breast tomosynthesis. Proceedings of SPIE, 2014, , .	0.8	1
147	Optimization-based 3D variable resolution image reconstruction in cone-beam CT. , 2015, , .		1
148	Reconstructing dynamic magnification CBCT scans with optimization-based reconstruction. , 2016, , .		1
149	Investigation of non-negativity constraint on basis images in half-rotation data reconstruction in spectral CT. , 2016, , .		1
150	Preliminary study of TV-constrained-likelihood-maximization image reconstruction from list-mode TOF-PET data. , 2016, , .		1
151	The Non-prewhitening and Hotelling Observers for Parameter Selection for Linear Iterative Image Reconstruction in Breast Tomosynthesis. , 2017, , .		1
152	Alternating Minimization Based Framework for Simultaneous Spectral Calibration and Image Reconstruction in Spectral CT. , 2018, , .		1
153	An Investigation of Direct Image Reconstruction in DECT with Physical Data. , 2018, , .		1
154	Reduction of Angularly-Varying-Data Truncation in C-Arm CBCT Imaging. Sensing and Imaging, 2018, 19, 1.	1.0	1
155	A signal detection model for quantifying overregularization in nonlinear image reconstruction. Medical Physics, 2021, 48, 6312-6323.	1.6	1
156	Optimization-based reconstruction for correcting non-linear partial volume artifacts in CT. , 2019, , .		1
157	A preliminary study on explicit compensation for the non-linear-partial-volume effect in CT. , 2019, , .		1
158	Image reconstruction from partially truncated data over limited-angular-ranges. , 2022, , .		1
159	Accurate image reconstruction for DOI-PET systems and its implications for the development of economic, compact PET (ezPET) systems. , 0, , .		0
160	Correction to "A Class of Analytical Methods That Compensate for Attenuation and Spatially-Variant Resolution in 2D SPECT" [Erratum]. IEEE Transactions on Nuclear Science, 1996, 43, 3377-3377.	1.2	0
161	Noise properties of reconstructed images in ultrasonic diffraction tomography. , 0, , .		0
162	A Bayesian approach for edge extraction in ultrasound images and its application to image segmentation. , 0, , .		0

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163	Comparative studies of image reconstructions in SPECT and diffraction tomography. , 0, , .		0
164	An efficient and accurate interpolation strategy for multi-dimensional functions. , 0, , .		0
165	New classes of reconstruction methods in reflection mode diffraction tomography. , 0, , .		0
166	Effect of an imaginary combination coefficient on the global image variance in SPECT. , 0, , .		0
167	Medical imaging applications of effectively multi-dimensional interpolation. , 0, , .		0
168	Optimal unbiased reduction of global image variances in SPECT. IEEE Transactions on Nuclear Science, 1999, 46, 1148-1155.	1.2	0
169	Resolution properties of non-parametric regression sinogram smoothing using an explicit Poisson model. , 0, , .		0
170	Longitudinal sampling and aliasing in multi-slice helical computed tomography. , 0, , .		0
171	Toward optimal non-iterative reconstruction for 3D SPECT with uniform attenuation and distance-dependent spatial resolution. , 0, , .		0
172	Favorable noise uniformity properties of Fourier-based approaches to interpolation in helical CT with implications for 3D visualization. , 0, , .		0
173	Dual isotope (In-111/Tc-99 m) SPECT: noise reduction with an analytic attenuation correction method. , 0, , .		0
174	An angular frequency dependent filter for PET reconstruction. , 0, , .		0
175	A new approach to reconstructing images in fan-beam computed tomography. , 0, , .		0
176	Image reconstruction of reflectivity from short scan data. , 0, , .		0
177	Variable sinograms and redundant information in tomographic imaging. , 0, , .		0
178	Preliminary investigation of a novel reconstruction algorithm based upon the potato peeler perspective. , 0, , .		0
179	Deblurring and noise suppression in spatial EPR imaging. , 0, , .		0
180	Reconstruction from minimum data in helical cone-beam CT. , 0, , .		0

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181	Spatial-resolution enhancement in micro-CT. , 0, , .		0
182	An evaluation of SPECT imaging for quantitative assessment of Parkinson's disease. , 0, , .		0
183	Improving the Temporal Resolution of Tomographic Images Using a PI-Line Based Backprojection Filtration Algorithm. , 0, , .		0
184	Noise Properties of the Chord-based Algorithms for Reduced Scans. , 0, , .		0
185	A Rebinning-Type Backprojection-Filtration Algorithm for Region of Interest Reconstruction in Fan-Beam CT with Improved Noise Properties. , 0, , .		0
186	Image Reconstruction from Longitudinally and Transversely Truncated Data along an Arc-Line Trajectory. , 0, , .		0
187	Backprojection-filtration Reconstruction for Helical Cone-beam CT with Curved Detectors. , 0, , .		0
188	ROI reconstruction of motion-contaminated data with a backprojection filtration algorithm. , 0, , .		0
189	Image Reconstruction from Sparse Data in Echo-Planar Imaging. , 2006, , .		0
190	Image quality evaluation of motion-contaminated calcified plaques in cardiac CT. , 2007, , .		0
191	Image noise properties in circular sinusoid cone-beam CT. , 2007, , .		0
192	AN EXACT ANALYTIC APPROACH TO 3D PET IMAGE RECONSTRUCTION. International Journal of Image and Graphics, 2007, 07, 35-54.	1.2	0
193	Reconstructible volume for cone-beam CT with a reduced saddle trajectory. , 2007, , .		0
194	Preliminary study on the impact of digital breast tomosynthesis scanning angle on micro-calcification imaging. , 2008, , .		0
195	Preliminary investigation of dose allocation in low-dose cone-beam CT. , 2010, , .		0
196	Low-dose CT in SPECT/CT patient scan. , 2010, , .		0
197	Investigation of low-contrast tumor detection in algorithm-enabled low-dose CBCT. , 2010, , .		0
198	Image reconstruction from a reduced number of projections in Micro-CT specimen imaging. , 2010, , .		0

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199	Dynamic region-of-interest cone-beam CT for image-guided postmastectomy radiotherapy. , 2011, , .		0
200	A preliminary study of image reconstruction from low-dose data in dedicated breast CT. , 2011, , .		0
201	Characterizing a discrete-to-discrete X-ray transform for iterative image reconstruction with limited angular-range scanning in CT. , 2012, , .		0
202	A preliminary investigation of CT-dose reduction in SPECT/CBCT. , 2012, , .		0
203	CT image reconstruction design by investigation of the propagation of Hotelling SNR. , 2012, , .		0
204	Algorithm-enabled high-performance C-arm cone-beam CT angiography of cerebral vasculature. , 2013, , .		0
205	Optimization of filtered back-projection for a Rayleigh task. , 2013, , .		0
206	Optimization-based image reconstruction from low-dose patient breast CT Data. , 2013, , .		0
207	Verifying cone-beam CT extended axial coverage with iterative reconstruction using real data. , 2013, , .		0
208	Investigation of optimization-based reconstruction for intra-operative neurological imaging. , 2013, , .		0
209	Fast, robust dynamic field-of-view adjustment for iterative reconstruction of dedicated breast CT. , 2013, , .		0
210	An efficient ordered subsets CT image reconstruction algorithm for sparse-view, noisy data. , 2014, , .		0
211	Direct inversion of spectral CT data into a materials decomposition and the effect of multiple soft tissues. , 2014, , .		0
212	An analytic noise model to aid in the development of total-variation-penalized CT image reconstruction. , 2015, , .		0
213	Investigation of optimization-based reconstruction with an image-total-variation constraint in PET. , 2015, , .		0
214	Algorithm-enabled single-kVp-switch scan configuration for dual-energy CT. , 2017, , .		0
215	Preliminary Patient Study of TV-Constrained Image Reconstruction from Low-Statistics List-Mode TOF-PET Data. , 2017, , .		0
216	A Preliminary Study on Optimization-Based Image Reconstruction from Sparse, List-Mode TOF-PET Data. , 2018, , .		0

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217	Orientation Dependent Visualization of Fibers in Digital Breast Tomosynthesis: Advantages of a Circular Source Trajectory. , 2018, , .		0
218	Artifact Reduction in Spare-view Image Reconstruction in C-arm CT. , 2018, , .		0
219	ASO Visual Abstract: High-Resolution Full 3D Specimen Imaging for Lumpectomy Margin AssessmentÂin Breast Cancer. Annals of Surgical Oncology, 2021, 28, 626-627.	0.7	0
220	Some Recent Developments in Reconstruction Algorithms for Tomographic Imaging. , 2008, , 361-391.		0
221	Bone sparsity model for computed tomography image reconstruction. , 2019, , .		0
222	Simultaneous correction of limited-angular-range and beam-hardening artifacts in dual-energy CT. , 2022, , .		0
223	An extended primal-dual algorithm framework for nonconvex problems: Application to image reconstruction in spectral CT. Inverse Problems, 0, , .	1.0	0