Ge Wang

List of Publications by Year
in descending order

429 papers	17,858 citations	19657 61 h-index	19190 118 g-index
433 all docs	433 docs citations	433 times ranked	10142 citing authors

#	Article	IF	Citations
1	AI-Based Reconstruction for Fast MRI—A Systematic Review and Meta-Analysis. Proceedings of the IEEE, 2022, 110, 224-245.	21.3	57
2	Phase function estimation from a diffuse optical image via deep learning. Physics in Medicine and Biology, 2022, 67, 074001.	3.0	2
3	Modeling and Policy Study for Information Asymmetry Problem of Photovoltaic Module Quality in China. Emerging Markets Finance and Trade, 2021, 57, 653-667.	3.1	4
4	Conception and policy implications of photovoltaic modules end-of-life management in China. Wiley Interdisciplinary Reviews: Energy and Environment, 2021, 10, .	4.1	8
5	Coordination of tradable carbon emission permits market and renewable electricity certificates market in China. Energy Economics, 2021, 93, 105038.	12.1	52
6	Compton-camera-based SPECT for thyroid cancer imaging. Journal of X-Ray Science and Technology, 2021, 29, 111-124.	1.0	2
7	Parameter-Transferred Wasserstein Generative Adversarial Network (PT-WGAN) for Low-Dose PET Image Denoising. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 213-223.	3.7	30
8	Attention augmented multi-scale network for single image super-resolution. Applied Intelligence, 2021, 51, 935-951.	5.3	13
9	On Interpretability of Artificial Neural Networks: A Survey. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 741-760.	3.7	188
10	Focused x-ray luminescence imaging system for small animals based on a rotary gantry. Journal of Biomedical Optics, 2021, 26, .	2.6	7
11	Monochromatic image reconstruction via machine learning. Machine Learning: Science and Technology, 2021, 2, 025032.	5.0	3
12	Deep learning predicts cardiovascular disease risks from lung cancer screening low dose computed tomography. Nature Communications, 2021, 12, 2963.	12.8	43
13	Histomorphometry of Biliary Atresia with Phase-Contrast CT Microscopy Yields Unique Insights. Radiology, 2021, 299, 611-612.	7.3	0
14	Cine Cardiac MRI Motion Artifact Reduction Using a Recurrent Neural Network. IEEE Transactions on Medical Imaging, 2021, 40, 2170-2181.	8.9	36
15	DRONE: Dual-Domain Residual-based Optimization NEtwork for Sparse-View CT Reconstruction. IEEE Transactions on Medical Imaging, 2021, 40, 3002-3014.	8.9	101
16	An ensemble learning method based on ordinal regression for COVID-19 diagnosis from chest CT. Physics in Medicine and Biology, 2021, 66, 244001.	3.0	8
17	Deep Tomographic Image Reconstruction: Yesterday, Today, and Tomorrow—Editorial for the 2nd Special Issue "Machine Learning for Image Reconstruction". IEEE Transactions on Medical Imaging, 2021, 40, 2956-2964.	8.9	12
18	Fuzzy logic interpretation of quadratic networks. Neurocomputing, 2020, 374, 10-21.	5.9	13

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19	Knowledge-Based Analysis for Mortality Prediction From CT Images. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 457-464.	6.3	23
20	CT Super-Resolution GAN Constrained by the Identical, Residual, and Cycle Learning Ensemble (GAN-CIRCLE). IEEE Transactions on Medical Imaging, 2020, 39, 188-203.	8.9	289
21	Quadratic Autoencoder (Q-AE) for Low-Dose CT Denoising. IEEE Transactions on Medical Imaging, 2020, 39, 2035-2050.	8.9	72
22	Shape and margin-aware lung nodule classification in low-dose CT images via soft activation mapping. Medical Image Analysis, 2020, 60, 101628.	11.6	51
23	Impact of brain metastasis velocity on neurologic death for brain metastasis patients experiencing distant brain failure after initial stereotactic radiosurgery. Journal of Neuro-Oncology, 2020, 146, 285-292.	2.9	11
24	Virtual Monoenergetic CT Imaging via Deep Learning. Patterns, 2020, 1, 100128.	5.9	26
25	Soft Autoencoder and Its Wavelet Adaptation Interpretation. IEEE Transactions on Computational Imaging, 2020, 6, 1245-1257.	4.4	11
26	Deep Efficient End-to-End Reconstruction (DEER) Network for Few-View Breast CT Image Reconstruction. IEEE Access, 2020, 8, 196633-196646.	4.2	26
27	Deep learning for tomographic image reconstruction. Nature Machine Intelligence, 2020, 2, 737-748.	16.0	233
28	Deep learning for high-resolution and high-sensitivity interferometric phase contrast imaging. Scientific Reports, 2020, 10, 9891.	3.3	10
29	A method of rapid quantification of patientâ€specific organ doses for CT using deepâ€learningâ€based multiâ€organ segmentation and GPUâ€accelerated Monte Carlo dose computing. Medical Physics, 2020, 47, 2526-2536.	3.0	49
30	Multi-Contrast Super-Resolution MRI Through a Progressive Network. IEEE Transactions on Medical Imaging, 2020, 39, 2738-2749.	8.9	88
31	MRI Super-Resolution With Ensemble Learning and Complementary Priors. IEEE Transactions on Computational Imaging, 2020, 6, 615-624.	4.4	64
32	Universal approximation with quadratic deep networks. Neural Networks, 2020, 124, 383-392.	5.9	27
33	A framework for least squares nonnegative matrix factorizations with Tikhonov regularization. Neurocomputing, 2020, 387, 78-90.	5.9	2
34	AirNet: Fused analytical and iterative reconstruction with deep neural network regularization for sparseâ€data CT. Medical Physics, 2020, 47, 2916-2930.	3.0	39
35	Synergizing medical imaging and radiotherapy with deep learning. Machine Learning: Science and Technology, 2020, 1, 021001.	5.0	24
36	Low-Dose CT Image Denoising Using a Generative Adversarial Network With a Hybrid Loss Function for Noise Learning. IEEE Access, 2020, 8, 67519-67529.	4.2	43

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37	Multi-task learning for mortality prediction in LDCT images. , 2020, , .		4
38	Clinical Micro-CT Empowered by Interior Tomography, Robotic Scanning, and Deep Learning. IEEE Access, 2020, 8, 229018-229032.	4.2	7
39	X-ray luminescence imaging for small animals. , 2020, 11224, .		3
40	Modeling of moral decisions with deep learning. Visual Computing for Industry, Biomedicine, and Art, 2020, 3, 27.	3.7	6
41	A novel calibration method incorporating nonlinear optimization and ball‐bearing markers for cone‐beam CT with a parameterized trajectory. Medical Physics, 2019, 46, 152-164.	3.0	23
42	A new iterative algorithm for ring artifact reduction in CT using ring total variation. Medical Physics, 2019, 46, 4803-4815.	3.0	7
43	Nanophosphor-Based Contrast Agents for Spectral X-ray Imaging. Nanomaterials, 2019, 9, 1092.	4.1	9
44	Visual Attention Network for Low-Dose CT. IEEE Signal Processing Letters, 2019, 26, 1152-1156.	3.6	32
45	Accelerated Correction of Reflection Artifacts by Deep Neural Networks in Photo-Acoustic Tomography. Applied Sciences (Switzerland), 2019, 9, 2615.	2.5	23
46	A dual-stream deep convolutional network for reducing metal streak artifacts in CT images. Physics in Medicine and Biology, 2019, 64, 235003.	3.0	41
47	Sound Transmission-Based Elastography Imaging. IEEE Access, 2019, 7, 74383-74392.	4.2	2
48	Hybrid Neural Networks for Mortality Prediction from LDCT Images. , 2019, 2019, 6243-6246.		2
49	MCDNet â€" A Denoising Convolutional Neural Network to Accelerate Monte Carlo Radiation Transport Simulations: A Proof of Principle With Patient Dose From X-Ray CT Imaging. IEEE Access, 2019, 7, 76680-76689.	4.2	18
50	Spectral Ct Reconstruction Via Self-Similarity In Image-Spectral Tensors. , 2019, , .		0
51	Competitive performance of a modularized deep neural network compared to commercial algorithms for low-dose CT image reconstruction. Nature Machine Intelligence, 2019, 1, 269-276.	16.0	256
52	Design optimization of a periodic microstructured array anode for hard x-ray grating interferometry. Physics in Medicine and Biology, 2019, 64, 145011.	3.0	11
53	A novel framework for the NMF methods with experiments to unmixing signals and feature representation. Journal of Computational and Applied Mathematics, 2019, 362, 205-218.	2.0	4
54	Graph Regularized Sparse Autoencoders with Nonnegativity Constraints. Neural Processing Letters, 2019, 50, 247-262.	3.2	1

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55	Corrective regulations on renewable energy certificates trading: Pursuing an equity-efficiency trade-off. Energy Economics, 2019, 80, 970-982.	12.1	24
56	A Roadmap for Foundational Research on Artificial Intelligence in Medical Imaging: From the 2018 NIH/RSNA/ACR/The Academy Workshop. Radiology, 2019, 291, 781-791.	7.3	241
57	Immunotherapy is associated with improved survival and decreased neurologic death after SRS for brain metastases from lung and melanoma primaries. Neuro-Oncology Practice, 2019, 6, 402-409.	1.6	43
58	Spectral CT Reconstructionâ€"ASSIST: Aided by Self-Similarity in Image-Spectral Tensors. IEEE Transactions on Computational Imaging, 2019, 5, 420-436.	4.4	29
59	A Reconfigurable energy-resolving method for a layered edge-on detector. Physics in Medicine and Biology, 2019, 64, 135008.	3.0	4
60	Deep Encoder-Decoder Adversarial Reconstruction (DEAR) Network for 3D CT from Few-View Data. Bioengineering, 2019, 6, 111.	3.5	21
61	A twoâ€dimensional feasibility study of deep learningâ€based feature detection and characterization directly from CT sinograms. Medical Physics, 2019, 46, e790-e800.	3.0	16
62	Efficient and equitable allocation of renewable portfolio standards targets among China's provinces. Energy Policy, 2019, 125, 170-180.	8.8	47
63	Comparison of deep learning and human observer performance for detection and characterization of simulated lesions. Journal of Medical Imaging, 2019, 6, 1.	1.5	12
64	A directional TV based ring artifact reduction method. , 2019, , .		4
65	Simultaneous reconstruction of the initial pressure and sound speed in photoacoustic tomography using a deep-learning approach. , 2019, , .		11
66	Deep-learning-based breast CT for radiation dose reduction. , 2019, , .		4
67	Super-resolution MRI and CT through GAN-CIRCLE. , 2019, , .		33
68	Training artificial neurons: an introduction to machine learning. , 2019, , .		1
69	Dual network architecture for few-view CT - trained on ImageNet data and transferred for medical imaging. , 2019, , .		9
70	Quadratic autoencoder for low-dose CT denoising. , 2019, , .		5
71	Low-dose CT via deep CNN with skip connection and network-in-network. , 2019, , .		25
72	CT image reconstruction on a low dimensional manifold. Inverse Problems and Imaging, 2019, 13, 449-460.	1.1	11

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73	Generative Low-Dose CT Image Denoising. Advances in Computer Vision and Pattern Recognition, 2019, , 277-297.	1.3	2
74	Image correction method without gain correction in grating-based x-ray phase-contrast imaging. , 2019, , .		0
75	Comparison of deep learning and human observer performance for lesion detection and characterization. , 2019, , .		2
76	Non-uniformity correction for MARS photon-counting detectors. , 2019, , .		3
77	A novel transfer learning framework for low-dose CT. , 2019, , .		8
78	Systematic analysis of microstructured array anode target for hard x-ray grating interferometer. , 2019, , .		1
79	Smoothing L0- and L1-Norm regularizers and their relations to non-local means for CT reconstruction. , 2019, , .		0
80	Quadratic neural networks for CT metal artifact reduction. , 2019, , .		4
81	Machine learning assisted interior phase contrast CT. , 2019, , .		0
82	Low-dose CT simulation with a generative adversarial network. , 2019, , .		2
83	LEARN: Learned Expertsâ€™ Assessment-Based Reconstruction Network for Sparse-Data CT. IEEE Transactions on Medical Imaging, 2018, 37, 1333-1347.	8.9	269
84	Clinical validation of CT image reconstruction with interior tomography. Journal of X-Ray Science and Technology, 2018, 26, 303-309.	1.0	1
85	Generalized backpropagation algorithm for training secondâ€order neural networks. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2956.	2.1	17
86	Investment strategy for underground gas storage facilities based on real option model considering gas market reform in China. Energy Economics, 2018, 70, 132-142.	12.1	46
87	3-D Convolutional Encoder-Decoder Network for Low-Dose CT via Transfer Learning From a 2-D Trained Network. IEEE Transactions on Medical Imaging, 2018, 37, 1522-1534.	8.9	303
88	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
89	Learning From Pseudo-Randomness With an Artificial Neural Networkâ€"Does God Play Pseudo-Dice?. IEEE Access, 2018, 6, 22987-22992.	4.2	17
90	Recycling mechanisms and policy suggestions for spent electric vehicles' power battery -A case of Beijing. Journal of Cleaner Production, 2018, 186, 388-406.	9.3	126

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91	A new type of neurons for machine learning. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2920.	2.1	32
92	Radiomics in lung cancer: Its time is here. Medical Physics, 2018, 45, 997-1000.	3.0	15
93	Substitution effect of renewable portfolio standards and renewable energy certificate trading for feed-in tariff. Applied Energy, 2018, 227, 426-435.	10.1	90
94	E-Indexâ€"A Bibliometric Index of Research Efficiency. IEEE Access, 2018, 6, 51355-51364.	4.2	3
95	Correction for â€œ3D Convolutional Encoder-Decoder Network for Low-Dose CT via Transfer Learning From a 2D Trained Networkâ€•[Jun 18 1522-1534]. IEEE Transactions on Medical Imaging, 2018, 37, 2750-2750.	8.9	7
96	Image Reconstruction is a New Frontier of Machine Learning. IEEE Transactions on Medical Imaging, 2018, 37, 1289-1296.	8.9	366
97	Simultaneous Emission-Transmission Tomography in an MRI Hardware Framework. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 326-336.	3.7	2
98	Study of the impacts of upstream natural gas market reform in China on infrastructure deployment and social welfare using an SVM-based rolling horizon stochastic game analysis. Petroleum Science, 2018, 15, 898-911.	4.9	4
99	Multifactorial Analysis of Mortality in Screening Detected Lung Cancer. Journal of Oncology, 2018, 2018, 1-7.	1.3	10
100	Wavelet-based joint CT-MRI reconstruction. Journal of X-Ray Science and Technology, 2018, 26, 379-393.	1.0	2
101	Increased separability of K-edge nanoparticles by photon-counting detectors for spectral micro-CT. Journal of X-Ray Science and Technology, 2018, 26, 707-726.	1.0	8
102	Novel Detection Scheme for X-Ray Small-Angle Scattering. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 315-325.	3.7	4
103	Structurally-Sensitive Multi-Scale Deep Neural Network for Low-Dose CT Denoising. IEEE Access, 2018, 6, 41839-41855.	4.2	169
104	K-edge-based interior tomography. Physics in Medicine and Biology, 2018, 63, 165017.	3.0	0
105	A review of photovoltaic poverty alleviation projects in China: Current status, challenge and policy recommendations. Renewable and Sustainable Energy Reviews, 2018, 94, 214-223.	16.4	85
106	General rigid motion correction for computed tomography imaging based on locally linear embedding. Optical Engineering, 2018, 57, 1.	1.0	7
107	Metal artifact reduction for radiation therapy: a simulation study. , 2018, , .		3
108	Study on the promotion impact of demand response on distributed PV penetration by using non-cooperative game theoretical analysis. Applied Energy, 2017, 185, 1869-1878.	10.1	52

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109	Study on the promotion of natural gas-fired electricity with energy market reform in China using a dynamic game-theoretic model. Applied Energy, 2017, 185, 1832-1839.	10.1	34
110	Radiative transfer with delta-Eddington-type phase functions. Applied Mathematics and Computation, 2017, 300, 70-78.	2.2	3
111	New contrasts for x-ray imaging and synergy with optical imaging. Proceedings of SPIE, 2017, , .	0.8	0
112	Deep learning methods to guide CT image reconstruction and reduce metal artifacts. Proceedings of SPIE, 2017, , .	0.8	37
113	Machine learning will transform radiology significantly within the next 5 years. Medical Physics, 2017, 44, 2041-2044.	3.0	45
114	Convex Hull Aided Registration Method (CHARM). IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 2042-2055.	4.4	15
115	Characteristic performance investigation of a photon counting detector for x-ray fluorescence imaging applications. Proceedings of SPIE, 2017, , .	0.8	1
116	Quest for the ultimate cardiac CT scanner. Medical Physics, 2017, 44, 4506-4524.	3.0	10
117	Low-Dose CT With a Residual Encoder-Decoder Convolutional Neural Network. IEEE Transactions on Medical Imaging, 2017, 36, 2524-2535.	8.9	1,089
118	Metal artifacts in computed tomography for radiation therapy planning: dosimetric effects and impact of metal artifact reduction. Physics in Medicine and Biology, 2017, 62, R49-R80.	3.0	104
119	X‑ray scatter correction for multi‑source interior computed tomography. Medical Physics, 2017, 44, 71-83.	3.0	14
120	Hybrid Imaging System for Simultaneous Spiral MR and X-ray (MRX) Scans. IEEE Access, 2017, 5, 1050-1061.	4.2	12
121	High-resolution X-ray phase-contrast imaging with a grating interferometer. Journal of the Korean Physical Society, 2017, 71, 538-542.	0.7	4
122	Grating Oriented Line-Wise Filtration (GOLF) for Dual-Energy X-ray CT. Sensing and Imaging, 2017, 18, 1.	1.5	5
123	Study on the Implementation Pathways and Key Impacts of RPS Target in China using a Dynamic Game-Theoretical Equilibrium Power Market Model. Energy Procedia, 2017, 105, 3844-3849.	1.8	8
124	Study on the Impacts of the LNG Market Reform in China using a SVM based Rolling Horizon Stochastic Game Analysis. Energy Procedia, 2017, 105, 3850-3855.	1.8	2
125	Low-dose CT denoising with convolutional neural network. , 2017, , .		76
126	Tensor-Based Dictionary Learning for Spectral CT Reconstruction. IEEE Transactions on Medical Imaging, 2017, 36, 142-154.	8.9	131

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127	Z-Index Parameterization for Volumetric CT Image Reconstruction via 3-D Dictionary Learning. IEEE Transactions on Medical Imaging, 2017, 36, 2466-2478.	8.9	31
128	Initial analysis of the middle problem in CT image reconstruction. Journal of X-Ray Science and Technology, 2017, 25, 547-559.	1.0	1
129	The impact of social network on the adoption of real-time electricity pricing mechanism. Energy Procedia, 2017, 142, 3154-3159.	1.8	6
130	Model and reconstruction of a K-edge contrast agent distribution with an X-ray photon-counting detector. Optics Express, 2017, 25, 9378.	3.4	8
131	aLow-dose CT via convolutional neural network. Biomedical Optics Express, 2017, 8, 679.	2.9	549
132	Optical tomographic imaging for breast cancer detection. Journal of Biomedical Optics, 2017, 22, 1.	2.6	16
133	Deep learning methods for CT image-domain metal artifact reduction. , 2017, , .		40
134	Numerical study on simultaneous emission and transmission tomography in the MRI framework. , 2017, , .		1
135	Deep learning for low-dose CT. , 2017, , .		1
136	A mixed reality approach for stereo-tomographic quantification of lung nodules. Journal of X-Ray Science and Technology, 2016, 24, 615-625.	1.0	2
137	An edge-on charge-transfer design for energy-resolved x-ray detection. Physics in Medicine and Biology, 2016, 61, 4183-4200.	3.0	10
138	Morphometric differences between central vs. surface acini in A/J mice using high-resolution micro-computed tomography. Journal of Applied Physiology, 2016, 121, 115-122.	2.5	21
139	Sinogram-based attenuation correction in PET/CT. Journal of X-Ray Science and Technology, 2016, 24, 9-22.	1.0	1
140	Fully 3D geometrical calibration forÂanÂX-ray grating-based imaging system. Journal of X-Ray Science and Technology, 2016, 24, 821-836.	1.0	3
141	A spectral interior CT by a framelet-based reconstruction algorithm. Journal of X-Ray Science and Technology, 2016, 24, 771-785.	1.0	3
142	Enhancing spatial resolution for spectral Î¼CT with aperture encoding. Proceedings of SPIE, 2016, , .	0.8	0
143	A Perspective on Deep Imaging. IEEE Access, 2016, 4, 8914-8924.	4.2	340
144	Interior tomography from differential phase contrast data via Hilbert transform based on spline functions. , 2016, 9967, .		0

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145	Pseudo progression identification of glioblastoma with dictionary learning. Computers in Biology and Medicine, 2016, 73, 94-101.	7.0	12
146	Dictionary learning-based CT detection of pulmonary nodules. Proceedings of SPIE, 2016, , .	0.8	0
147	Spectral CT Reconstruction With Image Sparsity and Spectral Mean. IEEE Transactions on Computational Imaging, 2016, 2, 510-523.	4.4	86
148	Upper-Bound on Dose Reduction in CT Reconstruction for Nodule Detection. IEEE Access, 2016, 4, 4247-4253.	4.2	5
149	Metal Artifact Reduction in CT: Where Are We After Four Decades?. IEEE Access, 2016, 4, 5826-5849.	4.2	164
150	Innovation and fusion of x-ray and optical tomography for mouse studies of breast cancer. Proceedings of SPIE, 2016, , .	0.8	1
151	A framelet-based iterative maximum-likelihood reconstruction algorithm for spectral CT. Inverse Problems, 2016, 32, 115021.	2.0	4
152	High-kVp Assisted Metal Artifact Reduction for X-Ray Computed Tomography. IEEE Access, 2016, 4, 4769-4776.	4.2	32
153	A skeleton-tree-based approach to acinar morphometric analysis using microcomputed tomography with comparison of acini in young and old C57BL/6 mice. Journal of Applied Physiology, 2016, 120, 1402-1409.	2.5	7
154	X-ray interior tensor tomography with 2D gratings. , 2016, , .		0
155	Cardiac CT: A system architecture study. Journal of X-Ray Science and Technology, 2016, 24, 43-65.	1.0	5
156	X-ray CT geometrical calibration via locally linear embedding. Journal of X-Ray Science and Technology, 2016, 24, 241-256.	1.0	18
157	Edge-oriented dual-dictionary guided enrichment (EDGE) for MRI-CT image reconstruction. Journal of X-Ray Science and Technology, 2016, 24, 161-175.	1.0	3
158	Multi-region optimal deployment of renewable energy considering different interregional transmission scenarios. Energy, 2016, 108, 108-118.	8.8	20
159	Fluorescent imaging of endothelial cells in bioengineered blood vessels: the impact of crosslinking of the scaffold. Journal of Tissue Engineering and Regenerative Medicine, 2016, 10, 955-966.	2.7	5
160	Simultaneous CT-MRI Reconstruction for Constrained Imaging Geometries Using Structural Coupling and Compressive Sensing. IEEE Transactions on Biomedical Engineering, 2016, 63, 1301-1309.	4.2	21
161	Study on the impacts of natural gas supply cost on gas flow and infrastructure deployment in China. Applied Energy, 2016, 162, 1385-1398.	10.1	55
162	Energy Window Optimization for X-Ray K-Edge Tomographic Imaging. IEEE Transactions on Biomedical Engineering, 2016, 63, 1623-1630.	4.2	24

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163	Small-angle scatter tomography with a photon-counting detector array. Physics in Medicine and Biology, 2016, 61, 3734-3748.	3.0	9
164	Spectral X-Ray CT Image Reconstruction with a Combination of Energy-Integrating and Photon-Counting Detectors. PLoS ONE, 2016, 11, e0155374.	2.5	8
165	Market Analysis of Natural Gas for District Heating in China. Energy Procedia, 2015, 75, 2713-2717.	1.8	13
166	Talbot interferometry with curved quasi-periodic gratings: towards large field of view X-ray phase-contrast imaging. Optics Express, 2015, 23, 26576.	3.4	9
167	A self-adaptive mask-enhanced dual-dictionary learning method for MRI-CT image reconstruction. , 2015, , .		2
168	Data consistency condition for truncated projections in fan-beam geometry. Journal of X-Ray Science and Technology, 2015, 23, 627-638.	1.0	4
169	Vision 20/20: Simultaneous CT–MRI – Next chapter of multimodality imaging. Medical Physics, 2015, 42, 5879-5889.	3.0	29
170	Spherical grating based x-ray Talbot interferometry. Medical Physics, 2015, 42, 6514-6519.	3.0	7
171	Spectral CT reconstruction using image sparsity and spectral correlation. , 2015, , .		3
172	X-Optogenetics and U-Optogenetics: Feasibility and Possibilities. Photonics, 2015, 2, 23-39.	2.0	31
173	Material decomposition with dual energy CT. , 2015, , .		0
174	Low-field designs for interior MRI and CT coupling. , 2015, , .		1
175	Combined Impacts of RTP and FIT on Optimal Management for a Residential Micro-Grid. Energy Procedia, 2015, 75, 1666-1672.	1.8	2
176	Dynamic Assessment of the Endothelialization of Tissue-Engineered Blood Vessels Using an Optical Coherence Tomography Catheter-Based Fluorescence Imaging System. Tissue Engineering - Part C: Methods, 2015, 21, 758-766.	2.1	6
177	Guest Editorial Special Issue on Spectral CT. IEEE Transactions on Medical Imaging, 2015, 34, 693-696.	8.9	8
178	Spectral CT Modeling and Reconstruction With Hybrid Detectors in Dynamic-Threshold-Based Counting and Integrating Modes. IEEE Transactions on Medical Imaging, 2015, 34, 716-728.	8.9	53
179	Tensor-based dictionary learning for dynamic tomographic reconstruction. Physics in Medicine and Biology, 2015, 60, 2803-2818.	3.0	99
180	Market Analysis of Natural Gas for Power Generation in China. Energy Procedia, 2015, 75, 2718-2723.	1.8	3

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181	High-Resolution Mesoscopic Fluorescence Molecular Tomography Based on Compressive Sensing. IEEE Transactions on Biomedical Engineering, 2015, 62, 248-255.	4.2	31
182	Modulated luminescence tomography. Inverse Problems and Imaging, 2015, 9, 579-589.	1.1	2
183	Dynamic Bowtie Filter for Cone-Beam/Multi-Slice CT. PLoS ONE, 2014, 9, e103054.	2.5	20
184	Top-Level System Designs for Hybrid Low-Field MRIâ€"CT with Potential of Pulmonary Imaging. Sensing and Imaging, 2014, 15, 1.	1.5	4
185	X-Ray Fluorescence Computed Tomography With Polycapillary Focusing. IEEE Access, 2014, 2, 1138-1142.	4.2	8
186	A tensor PRISM algorithm for multi-energy CT reconstruction and comparative studies. Journal of X-Ray Science and Technology, 2014, 22, 147-163.	1.0	43
187	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
188	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
189	IEEE Access Special Section Editorial: Emerging Computed Tomography Technologies. IEEE Access, 2014, 2, 1680-1682.	4.2	0
190	Multisource X-Ray and CT: Lessons Learned and Future Outlook. IEEE Access, 2014, 2, 1568-1585.	4.2	28
191	Dictionary Learning Based Low-Dose X-Ray CT Reconstruction. , 2014, , 99-119.		6
192	Image reconstruction for x-ray K-edge imaging with a photon counting detector. , 2014, , .		4
193	Carotid plaque characterization using CT and MRI scans for synergistic image analysis. , 2014, , .		1
194	Edge-Guided Dual-Modality Image Reconstruction. IEEE Access, 2014, 2, 1359-1363.	4.2	20
195	High resolution 3D image reconstruction in laminar optical tomography based on compressive sensing. , 2014, , .		0
196	X-ray micro-modulated luminescence tomography (XMLT). Optics Express, 2014, 22, 5572.	3.4	9
197	L_p regularization for early gate fluorescence molecular tomography. Optics Letters, 2014, 39, 4156.	3.3	78
198	Interior microâ€¢CT with an offset detector. Medical Physics, 2014, 41, 061915.	3.0	17

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199	TOP-level designs of a hybrid low field MRI-CT system for pulmonary imaging. , 2014, , .		0
200	X-ray fan-beam luminescence tomography. , 2014, , .		3
201	Hybrid Spectral Micro-CT: System Design, Implementation, and Preliminary Results. IEEE Transactions on Biomedical Engineering, 2014, 61, 246-253.	4.2	24
202	Possible Animal Embryos from the Lower Cambrian (Stage 3) Shuijingtuo Formation, Hubei Province, South China. Journal of Paleontology, 2014, 88, 385-394.	0.8	19
203	Study of scan protocol for exposure reduction in hybrid spectral micro–CT. Scanning, 2014, 36, 444-455.	1.5	1
204	Total variation minimization-based multimodality medical image reconstruction. , 2014, , .		0
205	Dictionary learning based low-dose x-ray CT reconstruction using a balancing principle. , 2014, , .		6
206	X-ray micromodulated luminescence tomography in dual-cone geometry. Journal of Biomedical Optics, 2014, 19, 076002.	2.6	22
207	Second order x-ray in-line phase-contrast imaging. , 2014, , .		0
208	Fast and accurate computation of system matrix for area integral model-based algebraic reconstruction technique. Optical Engineering, 2014, 53, 113101.	1.0	18
209	Three‐dimensional x‐ray fluorescence mapping of a gold nanoparticle‐loaded phantom. Medical Physics, 2014, 41, 031902.	3.0	27
210	Dictionary‐learning‐based reconstruction method for electron tomography. Scanning, 2014, 36, 377-383.	1.5	8
211	Real phantom datasets for the evaluation of reconstruction algorithms at various dose conditions. , 2014, , .		0
212	Stored luminescence computed tomography. Applied Optics, 2014, 53, 5672.	1.8	10
213	Analytic Comparison Between X-Ray Fluorescence CT and K-Edge CT. IEEE Transactions on Biomedical Engineering, 2014, 61, 975-985.	4.2	33
214	Sart-Type Half-Threshold Filtering Approach for CT Reconstruction. IEEE Access, 2014, 2, 602-613.	4.2	49
215	Comparison of lp-regularization-based reconstruction methods for time domain fluorescence molecular tomography on early time gates. , 2014, , .		1
216	Rotating and semi-stationary multi-beamline architecture study for cardiac CT imaging. , 2014, , .		1

#	Article	IF	Citations
217	Unsupervised Deconvolution of Dynamic Imaging Reveals Intratumor Vascular Heterogeneity and Repopulation Dynamics. PLoS ONE, 2014, 9, e112143.	2.5	15
218	Preclinical Optical Molecular Imaging. , 2014, , 241-273.		0
219	Scout-view assisted interior micro-CT. Physics in Medicine and Biology, 2013, 58, 4297-4314.	3.0	23
220	The meaning of interior tomography. Physics in Medicine and Biology, 2013, 58, R161-R186.	3.0	75
221	A bibliometric analysis of academic publication and NIH funding. Journal of Informetrics, 2013, 7, 318-324.	2.9	22
222	Imaging and characterization of bioengineered blood vessels within a bioreactor using free‐space and catheter‐based OCT. Lasers in Surgery and Medicine, 2013, 45, 391-400.	2.1	11
223	Stereological assessment of mouse lung parenchyma via nondestructive, multiscale micro-CT imaging validated by light microscopic histology. Journal of Applied Physiology, 2013, 114, 716-724.	2.5	51
224	Energy-discriminative performance of a spectral micro-CT system. Journal of X-Ray Science and Technology, 2013, 21, 335-345.	1.0	12
225	A few-view reweighted sparsity hunting (FRESH) method for CT image reconstruction. Journal of X-Ray Science and Technology, 2013, 21, 161-176.	1.0	60
226	Dynamic bowtie for fan-beam CT. Journal of X-Ray Science and Technology, 2013, 21, 579-590.	1.0	15
227	Combination of current-integrating/photon-counting detector modules for spectral CT. Physics in Medicine and Biology, 2013, 58, 7009-7024.	3.0	30
228	Piecewise-Constant-Model-Based Interior Tomography Applied to Dentin Tubules. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-8.	1.3	3
229	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
230	Determining scientific impact using a collaboration index. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9680-9685.	7.1	102
231	X-ray fluorescence tomographic system design and image reconstruction. Journal of X-Ray Science and Technology, 2013, 21, 1-8.	1.0	20
232	Molecular Optical Simulation Environment (MOSE): A Platform for the Simulation of Light Propagation in Turbid Media. PLoS ONE, 2013, 8, e61304.	2.5	53
233	Dynamic, Nondestructive Imaging of a Bioengineered Vascular Graft Endothelium. PLoS ONE, 2013, 8, e61275.	2.5	10
234	Fourier transform-based iterative method for differential phase-contrast computed tomography. Optics Letters, 2012, 37, 1784.	3.3	6

#	Article	IF	Citations
235	High-order total variation minimization for interior SPECT. Inverse Problems, 2012, 28, 015001.	2.0	23
236	Few-view image reconstruction with dual dictionaries. Physics in Medicine and Biology, 2012, 57, 173-189.	3.0	98
237	Interior Tomography With Continuous Singular Value Decomposition. IEEE Transactions on Medical Imaging, 2012, 31, 2108-2119.	8.9	18
238	Assessment of morphometry of pulmonary acini in mouse lungs by nondestructive imaging using multiscale microcomputed tomography. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17105-17110.	7.1	103
239	A Fiber-Optic-Based Imaging System for Nondestructive Assessment of Cell-Seeded Tissue-Engineered Scaffolds. Tissue Engineering - Part C: Methods, 2012, 18, 677-687.	2.1	16
240	Tetrahedron-based orthogonal simultaneous scan for cone-beam computed tomography. Optical Engineering, 2012, 51, 1.	1.0	1
241	Completeness map evaluation demonstrated with candidate next€generation cardiac CT architectures. Medical Physics, 2012, 39, 2405-2416.	3.0	22
242	Optimization of K€edge imaging with spectral CT. Medical Physics, 2012, 39, 6572-6579.	3.0	56
243	The origin of intracellular structures in Ediacaran metazoan embryos. Geology, 2012, 40, 223-226.	4.4	68
244	Three-Dimensional Characterization of Iron Oxide ($α$-Fe$_2$O$_3$) Nanoparticles: Application of a Compressed Sensing Inspired Reconstruction Algorithm to Electron Tomography. Microscopy and Microanalysis, 2012, 18, 1362-1367.	0.4	19
245	Differential phase-contrast interior tomography. Physics in Medicine and Biology, 2012, 57, 2905-2914.	3.0	26
246	Low-Dose X-ray CT Reconstruction via Dictionary Learning. IEEE Transactions on Medical Imaging, 2012, 31, 1682-1697.	8.9	494
247	Dual-dictionary learning-based iterative image reconstruction for spectral computed tomography application. Physics in Medicine and Biology, 2012, 57, 8217-8229.	3.0	60
248	Towards Omni-Tomography€"Grand Fusion of Multiple Modalities for Simultaneous Interior Tomography. PLoS ONE, 2012, 7, e39700.	2.5	38
249	SLATE: Virtualizing multiscale CT training. Journal of X-Ray Science and Technology, 2012, 20, 239-248.	1.0	2
250	Theoretical study on high order interior tomography. Journal of X-Ray Science and Technology, 2012, 20, 423-436.	1.0	10
251	TV-Based image reconstruction of multiple objects in a fixed source-detector geometry. Journal of X-Ray Science and Technology, 2012, 20, 277-289.	1.0	7
252	Scanning-fiber-based imaging method for tissue engineering. Journal of Biomedical Optics, 2012, 17, 066010.	2.6	13

#	Article	IF	Citations
253	On a family of differential approximations of the radiative transfer equation. Journal of Mathematical Chemistry, 2012, 50, 689-702.	1.5	11
254	Image Reconstruction for Hybrid True-Color Micro-CT. IEEE Transactions on Biomedical Engineering, 2012, 59, 1711-1719.	4.2	81
255	Multi-energy CT based on a prior rank, intensity and sparsity model (PRISM). Inverse Problems, 2011, 27, 115012.	2.0	191
256	A study on tetrahedron-based inhomogeneous Monte Carlo optical simulation. Biomedical Optics Express, 2011, 2, 44.	2.9	34
257	A Theoretical Framework of X-Ray Dark-Field Tomography. SIAM Journal on Applied Mathematics, 2011, 71, 1557-1577.	1.8	13
258	Compressive Sensing–Based Interior Tomography. Journal of Computer Assisted Tomography, 2011, 35, 762-764.	0.9	23
259	On a Derivative-Free Fan-Beam Reconstruction Formula. IEEE Transactions on Image Processing, 2011, 20, 1173-1176.	9.8	1
260	Statistical Interior Tomography. IEEE Transactions on Medical Imaging, 2011, 30, 1116-1128.	8.9	77
261	Guest Editorial Compressive Sensing for Biomedical Imaging. IEEE Transactions on Medical Imaging, 2011, 30, 1013-1016.	8.9	40
262	Tissue-Specific Compartmental Analysis for Dynamic Contrast-Enhanced MR Imaging of Complex Tumors. IEEE Transactions on Medical Imaging, 2011, 30, 2044-2058.	8.9	58
263	Gel'fand-Graev's reconstruction formula in the 3D real space. Medical Physics, 2011, 38, S69-S75.	3.0	9
264	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
265	CAM-CM: a signal deconvolution tool for <i>in vivo</i> dynamic contrast-enhanced imaging of complex tissues. Bioinformatics, 2011, 27, 2607-2609.	4.1	24
266	Spectrally resolving and scattering-compensated x-ray luminescence–fluorescence computed tomography. Journal of Biomedical Optics, 2011, 16, 066014.	2.6	38
267	Monte Carlo fluorescence microtomography. Journal of Biomedical Optics, 2011, 16, 070501.	2.6	5
268	Inverse Fourier Transform in the Gamma Coordinate System. International Journal of Biomedical Imaging, 2011, 2011, 1-16.	3.9	0
269	SART-Type Image Reconstruction from Overlapped Projections. International Journal of Biomedical Imaging, 2011, 2011, 1-7.	3.9	7
270	PARAMETRIC STUDY OF TISSUE OPTICAL CLEARING BY LOCALIZED MECHANICAL COMPRESSION USING COMBINED FINITE ELEMENT AND MONTE CARLO SIMULATION. Journal of Innovative Optical Health Sciences, 2010, 03, 203-211.	1.0	8

#	Article	IF	Citations
271	A novel approach for studies of multispectral bioluminescence tomography. Numerische Mathematik, 2010, 115, 553-583.	1.9	7
272	Differential Evolution Approach for Regularized Bioluminescence Tomography. IEEE Transactions on Biomedical Engineering, 2010, 57, 2229-2238.	4.2	25
273	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
274	Higher-order phase shift reconstruction approach. Medical Physics, 2010, 37, 5238-5242.	3.0	8
275	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
276	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
277	High-order total variation minimization for interior tomography. Inverse Problems, 2010, 26, 035013.	2.0	115
278	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
279	Compressed Sensing Inspired Image Reconstruction from Overlapped Projections. International Journal of Biomedical Imaging, 2010, 2010, 1-8.	3.9	7
280	A parallel adaptive finite element simplified spherical harmonics approximation solver for frequency domain fluorescence molecular imaging. Physics in Medicine and Biology, 2010, 55, 4625-4645.	3.0	42
281	Bioluminescence tomography with Gaussian prior. Biomedical Optics Express, 2010, 1, 1259.	2.9	11
282	Determination of exact reconstruction regions in composite-circling cone-beam tomography. Medical Physics, 2009, 36, 3448-3454.	3.0	1
283	A scheme for multisource interior tomography. Medical Physics, 2009, 36, 3575-3581.	3.0	49
284	A General Total Variation Minimization Theorem for Compressed Sensing Based Interior Tomography. International Journal of Biomedical Imaging, 2009, 2009, 1-3.	3.9	33
285	Line-Source Based X-Ray Tomography. International Journal of Biomedical Imaging, 2009, 2009, 1-8.	3.9	4
286	Compressed sensing based interior tomography. Physics in Medicine and Biology, 2009, 54, 2791-2805.	3.0	458
287	Temperature-Change-Based Thermal Tomography. International Journal of Biomedical Imaging, 2009, 2009, 1-4.	3.9	4
288	Supplemental analysis on compressed sensing based interior tomography. Physics in Medicine and Biology, 2009, 54, N425-N432.	3.0	59

#	Article	IF	Citations
289	Studies of a mathematical model for temperature-modulated bioluminescence tomography. Applicable Analysis, 2009, 88, 193-213.	1.3	2
290	Varying Collimation for Dark-Field Extraction. International Journal of Biomedical Imaging, 2009, 2009, 1-7.	3.9	1
291	A Filtered Backprojection Algorithm for Triple-Source Helical Cone-Beam CT. IEEE Transactions on Medical Imaging, 2009, 28, 384-393.	8.9	23
292	An integrated solution and analysis of bioluminescence tomography and diffuse optical tomography. Communications in Numerical Methods in Engineering, 2009, 25, 639-656.	1.3	5
293	Computational methods for optical molecular imaging. Communications in Numerical Methods in Engineering, 2009, 25, 1137-1161.	1.3	9
294	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
295	Special issue on recent advances in computational techniques for biomedical imaging. Communications in Numerical Methods in Engineering, 2009, 25, 581-582.	1.3	0
296	Adaptive bolus-chasing computed tomography angiography in the cases of symmetric and asymmetric arterial flows in peripheral arteries. Biomedical Signal Processing and Control, 2009, 4, 302-308.	5.7	2
297	Parallelism of iterative CT reconstruction based onÂlocal reconstruction algorithm. Journal of Supercomputing, 2009, 48, 1-14.	3.6	6
298	Exact image reconstruction with triple-source saddle-curve cone-beam scanning. Physics in Medicine and Biology, 2009, 54, 2971-2991.	3.0	5
299	Ultra-low Dose Lung CT Perfusion Regularized by a Previous Scan. Academic Radiology, 2009, 16, 363-373.	2.5	68
300	Demonstration of Dose and Scatter Reductions for Interior Computed Tomography. Journal of Computer Assisted Tomography, 2009, 33, 967-972.	0.9	7
301	A general scheme for velocity tomography. Signal Processing, 2008, 88, 1165-1175.	3.7	3
302	Analysis on the strip-based projection model for discrete tomography. Discrete Applied Mathematics, 2008, 156, 2359-2367.	0.9	20
303	Adaptive bolus chasing computed tomography angiography: Control scheme and experimental results. Biomedical Signal Processing and Control, 2008, 3, 319-326.	5.7	7
304	An outlook on xâ€ray CT research and development. Medical Physics, 2008, 35, 1051-1064.	3.0	218
305	Digital spectral separation methods and systems for bioluminescence imaging. Optics Express, 2008, 16, 1719.	3.4	12
306	An Adaptive Optimal Control Design for a Bolus Chasing Computed Tomography Angiography. IEEE Transactions on Control Systems Technology, 2008, 16, 60-69.	5.2	11

#	Article	IF	Citations
307	X-Ray Phase-Contrast Imaging with Three 2D Gratings. International Journal of Biomedical Imaging, 2008, 2008, 1-8.	3.9	20
308	Digital Eversion of a Hollow Structure: An Application in Virtual Colonography. International Journal of Biomedical Imaging, 2008, 2008, 1-6.	3.9	6
309	Integral equations of the photon fluence rate and flux based on a generalized Delta-Eddington phase function. Journal of Biomedical Optics, 2008, 13, 024016.	2.6	11
310	Knowledge-Based Dynamic Volumetric Cardiac Computed Tomography With Saddle Curve Trajectory. Journal of Computer Assisted Tomography, 2008, 32, 942-950.	0.9	3
311	In Situ Real-Time Chemiluminescence Imaging of Reactive Oxygen Species Formation from Cardiomyocytes. International Journal of Biomedical Imaging, 2008, 2008, 1-9.	3.9	3
312	Theoretical and numerical analysis on multispectral bioluminescence tomography. IMA Journal of Applied Mathematics, 2007, 72, 67-85.	1.6	21
313	A General Formula for Fan-Beam Lambda Tomography (Erratum). International Journal of Biomedical Imaging, 2007, 2007, 1-1.	3.9	10
314	A Fast CT Reconstruction Scheme for a General Multi-Core PC. International Journal of Biomedical Imaging, 2007, 2007, 1-9.	3.9	23
315	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
316	Cone-beam pseudo-lambda tomography. Inverse Problems, 2007, 23, 203-215.	2.0	16
317	Selectable Source Rotational Velocity for Cardiac Computed Tomography. Journal of Computer Assisted Tomography, 2007, 31, 16-21.	0.9	2
318	Digital Tomosynthesis Aided by Low-Resolution Exact Computed Tomography. Journal of Computer Assisted Tomography, 2007, 31, 976-983.	0.9	5
319	A Segmentation-Based Method for Metal Artifact Reduction. Academic Radiology, 2007, 14, 495-504.	2.5	93
320	A General Local Reconstruction Approach Based on a Truncated Hilbert Transform. International Journal of Biomedical Imaging, 2007, 2007, 1-8.	3.9	136
321	Data Consistency Based Rigid Motion Artifact Reduction in Fan-Beam CT. IEEE Transactions on Medical Imaging, 2007, 26, 249-260.	8.9	70
322	Lambda tomography with discontinuous scanning trajectories. Physics in Medicine and Biology, 2007, 52, 4331-4344.	3.0	8
323	Exact Interior Reconstruction with Cone-Beam CT. International Journal of Biomedical Imaging, 2007, 2007, 1-5.	3.9	49
324	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

#	ARTICLE	IF	CITATIONS
325	A comparative study on interpolation methods for controlled cardiac CT. International Journal of Imaging Systems and Technology, 2007, 17, 91-98.	4.1	5
326	Practical cone-beam lambda tomography. Medical Physics, 2006, 33, 3640-3646.	3.0	14
327	Data consistency based translational motion artifact reduction in fan-beam CT. IEEE Transactions on Medical Imaging, 2006, 25, 792-803.	8.9	48
328	Reduction of Half-Scan Shading Artifact Based on Full-Scan Correction1. Academic Radiology, 2006, 13, 55-62.	2.5	11
329	Bolus characteristics based on Magnetic Resonance Angiography. BioMedical Engineering OnLine, 2006, 5, 53.	2.7	8
330	In vivo mouse studies with bioluminescence tomography. Optics Express, 2006, 14, 7801.	3.4	167
331	Temperature-modulated bioluminescence tomography. Optics Express, 2006, 14, 7852.	3.4	37
332	A multilevel adaptive finite element algorithm for bioluminescence tomography. Optics Express, 2006, 14, 8211.	3.4	172
333	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
334	Mathematical theory and numerical analysis of bioluminescence tomography. Inverse Problems, 2006, 22, 1659-1675.	2.0	61
335	Development of bioluminescence tomography. , 2006, 6318, 104.		0
336	A general axiomatic system for image resolution quantification. Journal of Mathematical Analysis and Applications, 2006, 315, 462-473.	1.0	1
337	MicroCT-guided Bioluminescence Tomography Based on the Adaptive Finite Element Tomographic Algorithm. , 2006, 2006, 381-4.		5
338	Analysis of Performance Evaluation of Parallel Katsevich Algorithm for 3-D CT Image Reconstruction. , 2006, , .		0
339	Boundary integral method for bioluminescence tomography. Journal of Biomedical Optics, 2006, 11, 020503.	2.6	29
340	Studies on Palamodov's algorithm for cone-beam CT along a general curve. Inverse Problems, 2006, 22, 447-460.	2.0	5
341	A general exact method for synthesizing parallel-beam projections from cone-beam projections via filtered backprojection. Physics in Medicine and Biology, 2006, 51, 5643-5654.	3.0	13
342	Multispectral Bioluminescence Tomography: Methodology and Simulation. International Journal of Biomedical Imaging, 2006, 2006, 1-7.	3.9	50

#	Article	IF	Citations
343	Evolution-Operator-Based Single-Step Method for Image Processing. International Journal of Biomedical Imaging, 2006, 2006, 1-27.	3.9	15
344	The First Bioluminescence Tomography System for Simultaneous Acquisition of Multiview and Multispectral Data. International Journal of Biomedical Imaging, 2006, 2006, 1-8.	3.9	31
345	Message from the Editor-in-Chief. International Journal of Biomedical Imaging, 2006, 2006, 1-2.	3.9	1
346	Anisotropic Elastography for Local Passive Properties and Active Contractility of Myocardium from Dynamic Heart Imaging Sequence. International Journal of Biomedical Imaging, 2006, 2006, 1-15.	3.9	12
347	Mathematical Study and Numerical Simulation of Multispectral Bioluminescence Tomography. International Journal of Biomedical Imaging, 2006, 2006, 1-10.	3.9	15
348	A General Formula for Fan-Beam Lambda Tomography. International Journal of Biomedical Imaging, 2006, 2006, 1-9.	3.9	10
349	Controlled Cardiac Computed Tomography. International Journal of Biomedical Imaging, 2006, 2006, 1-11.	3.9	4
350	Review of Parallel Computing Techniques for Computed Tomography Image Reconstruction. Current Medical Imaging, 2006, 2, 405-414.	0.8	14
351	A Born-type approximation method for bioluminescence tomography. Medical Physics, 2006, 33, 679-686.	3.0	50
352	Cone-beam mammo-computed tomography from data along two tilting arcs. Medical Physics, 2006, 33, 3621-3633.	3.0	9
353	Geometrical modeling using multiregional marching tetrahedra for bioluminescence tomography. , 2005, , .		9
354	Axiomatic characterization of nonlinear homomorphic means. Journal of Mathematical Analysis and Applications, 2005, 303, 350-363.	1.0	8
355	Accuracy of facial soft tissue thickness measurements in personal computer-based multiplanar reconstructed computed tomographic images. Forensic Science International, 2005, 155, 28-34.	2.2	88
356	An intuitive discussion on the ideal ramp filter in computed tomography (I). Computers and Mathematics With Applications, 2005, 49, 731-740.	2.7	26
357	A differentiable Sheppâ€"Logan phantom and its applications in exact cone-beam CT. Physics in Medicine and Biology, 2005, 50, 5583-5595.	3.0	23
358	A backprojection-filtration algorithm for nonstandard spiral cone-beam CT with ann-PI-window. Physics in Medicine and Biology, 2005, 50, 2099-2111.	3.0	38
359	Exact BPF and FBP algorithms for nonstandard saddle curves. Medical Physics, 2005, 32, 3305-3312.	3.0	35
360	Computed tomography simulation with superquadrics. Medical Physics, 2005, 32, 3136-3143.	3.0	19

#	Article	IF	Citations
361	General Formula for Fan-Beam Computed Tomography. Physical Review Letters, 2005, 95, 258102.	7.8	8
362	PI-line-based image reconstruction in helical cone-beam computed tomography with a variable pitch. Medical Physics, 2005, 32, 2639-2648.	3.0	20
363	Relation between the filtered backprojection algorithm and the backprojection algorithm in CT. IEEE Signal Processing Letters, 2005, 12, 633-636.	3.6	10
364	Design, analysis and simulation for development of the first clinical micro-CT scanner1. Academic Radiology, 2005, 12, 511-525.	2.5	35
365	Tomography-based 3-D anisotropic elastography using boundary measurements. IEEE Transactions on Medical Imaging, 2005, 24, 1323-1333.	8.9	35
366	Practical reconstruction method for bioluminescence tomography. Optics Express, 2005, 13, 6756.	3.4	299
367	A finite-element-based reconstruction method for 3D fluorescence tomography. Optics Express, 2005, 13, 9847.	3.4	124
368	Computational optical biopsy. BioMedical Engineering OnLine, 2005, 4, 36.	2.7	6
369	A general exact reconstruction for cone-beam CT via backprojection-filtration. IEEE Transactions on Medical Imaging, 2005, 24, 1190-1198.	8.9	89
370	A unified framework for exact cone-beam reconstruction formulas. Medical Physics, 2005, 32, 1712-1721.	3.0	51
371	Minimum detection windows, PI-line existence and uniqueness for helical cone-beam scanning of variable pitch. Medical Physics, 2004, 31, 566-572.	3.0	26
372	Feldkamp-type VOI reconstruction from super-short-scan cone-beam data. Medical Physics, 2004, 31, 1357-1362.	3.0	30
373	An error-reduction-based algorithm for cone-beam computed tomography. Medical Physics, 2004, 31, 3206-3212.	3.0	29
374	Uniqueness theorems in bioluminescence tomography. Medical Physics, 2004, 31, 2289-2299.	3.0	253
375	Geometric studies on variable radius spiral cone-beam scanning. Medical Physics, 2004, 31, 1473-1480.	3.0	18
376	Filtered backprojection formula for exact image reconstruction from cone-beam data along a general scanning curve. Medical Physics, 2004, 32, 42-48.	3.0	66
377	Minimum detection window and inter-helix PI-line with triple-source helical cone-beam scanning. , 2004, , .		3
378	Three-Dimensional Localization of Cochlear Implant Electrodes Using Epipolar Stereophotogrammetry. IEEE Transactions on Biomedical Engineering, 2004, 51, 838-846.	4.2	5

#	Article	IF	Citations
379	The comprehensive imaging-based analysis of the lung. Academic Radiology, 2004, 11, 1370-1380.	2.5	67
380	A mouse optical simulation environment (MOSE) to investigate bioluminescent phenomena in the living mouse with the monte carlo method1. Academic Radiology, 2004, 11, 1029-1038.	2.5	126
381	Fractional scan algorithms for low-dose perfusion CT. Medical Physics, 2004, 31, 1254-1257.	3.0	23
382	Formulation of photon diffusion from spherical bioluminescent sources in an infinite homogeneous medium. BioMedical Engineering OnLine, 2004, 3, 12.	2.7	22
383	Automatic measurement of the labyrinth using image registration and a deformable inner ear atlas. Academic Radiology, 2003, 10, 988-999.	2.5	16
384	Convergence studies on iterative algorithms for image reconstruction. IEEE Transactions on Medical Imaging, 2003, 22, 569-579.	8.9	198
385	Blind deblurring of spiral CT images. IEEE Transactions on Medical Imaging, 2003, 22, 837-845.	8.9	61
386	Spatial Variation of Resolution and Noise in Multiâ€"Detector Row Spiral CT. Academic Radiology, 2003, 10, 607-613.	2.5	24
387	Convergence of the simultaneous algebraic reconstruction technique (SART). IEEE Transactions on Image Processing, 2003, 12, 957-961.	9.8	187
388	A Grangeat-type half-scan algorithm for cone-beam CT. Medical Physics, 2003, 30, 689-700.	3.0	29
389	Blind deblurring of spiral CT images-comparative studies on edge-to-noise ratios. Medical Physics, 2002, 29, 821-829.	3.0	15
390	X-ray micro-CT with a displaced detector array. Medical Physics, 2002, 29, 1634-1636.	3.0	95
391	Axiomatic quantification of multidimensional image resolution. IEEE Signal Processing Letters, 2002, 9, 120-122.	3.6	8
392	A knowledge-based cone-beam x-ray CT algorithm for dynamic volumetric cardiac imaging. Medical Physics, 2002, 29, 1807-1822.	3.0	36
393	Artifacts associated with implementation of the Grangeat formula. Medical Physics, 2002, 29, 2871-2880.	3.0	13
394	Half-scan cone-beam CT fluoroscopy with multiple x-ray sources. Medical Physics, 2001, 28, 1466-1471.	3.0	48
395	Localization error analysis for stereo X-ray image guidance with probability method. Medical Engineering and Physics, 2001, 23, 573-581.	1.7	5
396	Digital X-ray stereophotogrammetry for cochlear implantation. IEEE Transactions on Biomedical Engineering, 2000, 47, 1120-1130.	4.2	5

#	Article	IF	Citations
397	Three-dimensional geometric modeling of the cochlea using helico-spiral approximation. IEEE Transactions on Biomedical Engineering, 2000, 47, 1392-1402.	4.2	45
398	Three-dimensional modeling and visualization of the cochlea on the Internet. IEEE Transactions on Information Technology in Biomedicine, 2000, 4, 144-151.	3.2	26
399	Design of a dual CCD configuration to improve the signal-to-noise ratio. Medical Physics, 2000, 27, 2435-2437.	3.0	5
400	Feldkamp-type cone-beam tomography in the wavelet framework. IEEE Transactions on Medical Imaging, 2000, 19, 922-929.	8.9	26
401	A localization algorithm and error analysis for stereo x-ray image guidance. Medical Physics, 2000, 27, 885-893.	3.0	10
402	Localization of cochlear implant electrodes in radiographs. Medical Physics, 2000, 27, 775-777.	3.0	7
403	Distortion reduction for fast soft straightening of the colon. Academic Radiology, 2000, 7, 506-515.	2.5	4
404	Fast iterative algorithm for metal artifact reduction in X-ray CT. Academic Radiology, 2000, 7, 607-614.	2.5	133
405	Fast algorithm for soft straightening of the colon. Academic Radiology, 2000, 7, 142-148.	2.5	12
406	The effect of pitch in multislice spiral/helical CT. Medical Physics, 1999, 26, 2648-2653.	3.0	58
407	Iterative X-ray Cone-Beam Tomography for Metal Artifact Reduction and Local Region Reconstruction. Microscopy and Microanalysis, 1999, 5, 58-65.	0.4	136
408	Interpolation algorithms for digital mammography systems with multiple detectors. Academic Radiology, 1999, 6, 170-175.	2.5	3
409	Axiomatic approach for quantification of image resolution. IEEE Signal Processing Letters, 1999, 6, 257-258.	3.6	15
410	Straightening the colon with curved cross sections: An approach to CT colonography. Academic Radiology, 1999, 6, 398-410.	2.5	25
411	Adaptive image interpolation for full-field digital x-ray mammography. Applied Optics, 1999, 38, 253.	2.1	1
412	Techniques of CT Colonography (Virtual Colonoscopy). Critical Reviews in Biomedical Engineering, 1999, 27, 1-25.	0.9	6
413	GI tract unraveling with curved cross sections. IEEE Transactions on Medical Imaging, 1998, 17, 318-322.	8.9	85
414	Spiral CT image deblurring for cochlear implantation. IEEE Transactions on Medical Imaging, 1998, 17, 251-262.	8.9	68

#	Article	IF	Citations
415	An iterative algorithm for X-ray CT fluoroscopy. IEEE Transactions on Medical Imaging, 1998, 17, 853-856.	8.9	27
416	Radiologic volumetry on a personal computer with a stereologic method. Academic Radiology, 1998, 5, 665-669.	2.5	4
417	Wavelet filtering algorithm for fan-beam CT. Electronics Letters, 1998, 34, 2395.	1.0	3
418	Experimental System for X-ray Cone-Beam Microtomography. Microscopy and Microanalysis, 1998, 4, 56-62.	0.4	3
419	Low-contrast resolution in volumetric x-ray CT-Analytical comparison between conventional and spiral CT. Medical Physics, 1997, 24, 373-376.	3.0	20
420	Optimal pitch in spiral computed tomography. Medical Physics, 1997, 24, 1635-1639.	3.0	36
421	Three-dimensional dental imaging by spiral CT. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 1997, 84, 561-570.	1.4	73
422	Wavelet Sampling and Localization Schemes for the Radon Transform in Two Dimensions. SIAM Journal on Applied Mathematics, 1997, 57, 1749-1762.	1.8	26
423	Maximum volume coverage in spiral computed tomography scanning. Academic Radiology, 1996, 3, 423-428.	2.5	15
424	Iterative deblurring for CT metal artifact reduction. IEEE Transactions on Medical Imaging, 1996, 15, 657-664.	8.9	329
425	Unwrapping cochlear implants by spiral CT. IEEE Transactions on Biomedical Engineering, 1996, 43, 891-900.	4.2	29
426	Preliminary study on helical CT algorithms for patient motion estimation and compensation. IEEE Transactions on Medical Imaging, 1995, 14, 205-211.	8.9	27
427	Temporal bone volumetric image deblurring in spiral computed tomography scanning. Academic Radiology, 1995, 2, 888-895.	2.5	15
428	Cone-beam reconstruction for Micro-CT. , 0, , .		0
429	Recent Development in Bioluminescence Tomography. , 0, , .		4