

Ge Wang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

516
papers

13,418
citations

55
h-index

99
g-index

601
ext. papers

16,889
ext. citations

4.6
avg, IF

6.92
L-index

#	Paper	IF	Citations
516	Low-Dose CT With a Residual Encoder-Decoder Convolutional Neural Network. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 2524-2535	11.7	580
515	Low-Dose CT Image Denoising Using a Generative Adversarial Network With Wasserstein Distance and Perceptual Loss. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1348-1357	11.7	546
514	Low-dose CT via convolutional neural network. <i>Biomedical Optics Express</i> , 2017 , 8, 679-694	3.5	382
513	Low-dose X-ray CT reconstruction via dictionary learning. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 1682-97	11.7	362
512	Compressed sensing based interior tomography. <i>Physics in Medicine and Biology</i> , 2009 , 54, 2791-805	3.8	349
511	A Perspective on Deep Imaging. <i>IEEE Access</i> , 2016 , 4, 8914-8924	3.5	242
510	Iterative deblurring for CT metal artifact reduction. <i>IEEE Transactions on Medical Imaging</i> , 1996 , 15, 657-64.7		240
509	Practical reconstruction method for bioluminescence tomography. <i>Optics Express</i> , 2005 , 13, 6756-71	3.3	236
508	Image Reconstruction is a New Frontier of Machine Learning. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1289-1296	11.7	236
507	Achieving routine submillisievert CT scanning: report from the summit on management of radiation dose in CT. <i>Radiology</i> , 2012 , 264, 567-80	20.5	205
506	Uniqueness theorems in bioluminescence tomography. <i>Medical Physics</i> , 2004 , 31, 2289-99	4.4	188
505	A limited-angle CT reconstruction method based on anisotropic TV minimization. <i>Physics in Medicine and Biology</i> , 2013 , 58, 2119-41	3.8	176
504	X-ray CT metal artifact reduction using wavelets: an application for imaging total hip prostheses. <i>IEEE Transactions on Medical Imaging</i> , 2000 , 19, 1238-47	11.7	173
503	An outlook on x-ray CT research and development. <i>Medical Physics</i> , 2008 , 35, 1051-64	4.4	166
502	3-D Convolutional Encoder-Decoder Network for Low-Dose CT via Transfer Learning From a 2-D Trained Network. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1522-1534	11.7	160
501	LEARN: Learned Experts' Assessment-Based Reconstruction Network for Sparse-Data CT. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1333-1347	11.7	156
500	Convergence studies on iterative algorithms for image reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2003 , 22, 569-79	11.7	154

499	A Roadmap for Foundational Research on Artificial Intelligence in Medical Imaging: From the 2018 NIH/RSNA/ACR/The Academy Workshop. <i>Radiology</i> , 2019 , 291, 781-791	20.5	148
498	A soft-threshold filtering approach for reconstruction from a limited number of projections. <i>Physics in Medicine and Biology</i> , 2010 , 55, 3905-16	3.8	143
497	In vivo mouse studies with bioluminescence tomography. <i>Optics Express</i> , 2006 , 14, 7801-9	3.3	143
496	CT Super-Resolution GAN Constrained by the Identical, Residual, and Cycle Learning Ensemble (GAN-CIRCLE). <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 188-203	11.7	140
495	Multi-energy CT based on a prior rank, intensity and sparsity model (PRISM). <i>Inverse Problems</i> , 2011 , 27,	2.3	139
494	Convergence of the simultaneous algebraic reconstruction technique (SART). <i>IEEE Transactions on Image Processing</i> , 2003 , 12, 957-61	8.7	135
493	A multilevel adaptive finite element algorithm for bioluminescence tomography. <i>Optics Express</i> , 2006 , 14, 8211-23	3.3	132
492	Competitive performance of a modularized deep neural network compared to commercial algorithms for low-dose CT image reconstruction. <i>Nature Machine Intelligence</i> , 2019 , 1, 269-276	22.5	131
491	Three-dimensional structure determination from a single view. <i>Nature</i> , 2010 , 463, 214-7	50.4	124
490	A mouse optical simulation environment (MOSE) to investigate bioluminescent phenomena in the living mouse with the Monte Carlo method. <i>Academic Radiology</i> , 2004 , 11, 1029-38	4.3	102
489	Fast iterative algorithm for metal artifact reduction in X-ray CT. <i>Academic Radiology</i> , 2000 , 7, 607-14	4.3	102
488	Structurally-sensitive Multi-scale Deep Neural Network for Low-Dose CT Denoising. <i>IEEE Access</i> , 2018 , 6, 41839-41855	3.5	99
487	Iterative X-ray Cone-Beam Tomography for Metal Artifact Reduction and Local Region Reconstruction. <i>Microscopy and Microanalysis</i> , 1999 , 5, 58-65	0.5	98
486	Metal Artifact Reduction in CT: Where Are We After Four Decades?. <i>IEEE Access</i> , 2016 , 4, 5826-5849	3.5	96
485	A general local reconstruction approach based on a truncated hilbert transform. <i>International Journal of Biomedical Imaging</i> , 2007 , 2007, 63634	5.2	96
484	Tensor-Based Dictionary Learning for Spectral CT Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 142-154	11.7	91
483	High Order Total Variation Minimization for Interior Tomography. <i>Inverse Problems</i> , 2010 , 26, 350131-350132	3.29	89
482	A finite-element-based reconstruction method for 3D fluorescence tomography. <i>Optics Express</i> , 2005 , 13, 9847-57	3.3	88

481	Total hip prosthesis metal-artifact suppression using iterative deblurring reconstruction. <i>Journal of Computer Assisted Tomography</i> , 1997 , 21, 293-8	2.2	84
480	Assessment of morphometry of pulmonary acini in mouse lungs by nondestructive imaging using multiscale microcomputed tomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 17105-10	11.5	81
479	Determining scientific impact using a collaboration index. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 9680-5	11.5	80
478	Fair-view image reconstruction with dual dictionaries. <i>Physics in Medicine and Biology</i> , 2012 , 57, 173-89	3.8	80
477	Spectrally resolved bioluminescence tomography with adaptive finite element analysis: methodology and simulation. <i>Physics in Medicine and Biology</i> , 2007 , 52, 4497-512	3.8	78
476	Accuracy of facial soft tissue thickness measurements in personal computer-based multiplanar reconstructed computed tomographic images. <i>Forensic Science International</i> , 2005 , 155, 28-34	2.6	76
475	A tetrahedron-based inhomogeneous Monte Carlo optical simulator. <i>Physics in Medicine and Biology</i> , 2010 , 55, 947-62	3.8	74
474	Metal artifacts in computed tomography for radiation therapy planning: dosimetric effects and impact of metal artifact reduction. <i>Physics in Medicine and Biology</i> , 2017 , 62, R49-R80	3.8	71
473	GI tract unraveling with curved cross sections. <i>IEEE Transactions on Medical Imaging</i> , 1998 , 17, 318-22	11.7	71
472	A segmentation-based method for metal artifact reduction. <i>Academic Radiology</i> , 2007 , 14, 495-504	4.3	69
471	A general exact reconstruction for cone-beam CT via backprojection-filtration. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 1190-8	11.7	68
470	Deep learning for tomographic image reconstruction. <i>Nature Machine Intelligence</i> , 2020 , 2, 737-748	22.5	66
469	Statistical interior tomography. <i>IEEE Transactions on Medical Imaging</i> , 2011 , 30, 1116-28	11.7	65
468	Image reconstruction for hybrid true-color micro-CT. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 1711-9	5	64
467	The origin of intracellular structures in Ediacaran metazoan embryos. <i>Geology</i> , 2012 , 40, 223-226	5	62
466	Three-dimensional dental imaging by spiral CT. A progress report. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 1997 , 84, 561-70		62
465	X-ray micro-CT with a displaced detector array. <i>Medical Physics</i> , 2002 , 29, 1634-6	4.4	61
464	Spectral CT Reconstruction with Image Sparsity and Spectral Mean. <i>IEEE Transactions on Computational Imaging</i> , 2016 , 2, 510-523	4.5	57

463	The meaning of interior tomography. <i>Physics in Medicine and Biology</i> , 2013 , 58, R161-86	3.8	56
462	L(p) regularization for early gate fluorescence molecular tomography. <i>Optics Letters</i> , 2014 , 39, 4156-9	3	55
461	Data consistency based rigid motion artifact reduction in fan-beam CT. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 249-60	11.7	55
460	Spiral CT image deblurring for cochlear implantation. <i>IEEE Transactions on Medical Imaging</i> , 1998 , 17, 251-62	11.7	54
459	Ultra-low dose lung CT perfusion regularized by a previous scan. <i>Academic Radiology</i> , 2009 , 16, 363-73	4.3	52
458	Mathematical theory and numerical analysis of bioluminescence tomography. <i>Inverse Problems</i> , 2006 , 22, 1659-1675	2.3	52
457	The comprehensive imaging-based analysis of the lung: a forum for team science. <i>Academic Radiology</i> , 2004 , 11, 1370-80	4.3	52
456	Blind deblurring of spiral CT images. <i>IEEE Transactions on Medical Imaging</i> , 2003 , 22, 837-45	11.7	51
455	Tensor-based dictionary learning for dynamic tomographic reconstruction. <i>Physics in Medicine and Biology</i> , 2015 , 60, 2803-18	3.8	50
454	Supplemental analysis on compressed sensing based interior tomography. <i>Physics in Medicine and Biology</i> , 2009 , 54, N425-32	3.8	48
453	Dual-dictionary learning-based iterative image reconstruction for spectral computed tomography application. <i>Physics in Medicine and Biology</i> , 2012 , 57, 8217-29	3.8	47
452	Filtered backprojection formula for exact image reconstruction from cone-beam data along a general scanning curve. <i>Medical Physics</i> , 2005 , 32, 42-8	4.4	47
451	A few-view reweighted sparsity hunting (FRESH) method for CT image reconstruction. <i>Journal of X-Ray Science and Technology</i> , 2013 , 21, 161-76	2.1	45
450	Tissue-specific compartmental analysis for dynamic contrast-enhanced MR imaging of complex tumors. <i>IEEE Transactions on Medical Imaging</i> , 2011 , 30, 2044-58	11.7	45
449	Optimization of K-edge imaging with spectral CT. <i>Medical Physics</i> , 2012 , 39, 6572-9	4.4	43
448	Image reconstruction for bioluminescence tomography from partial measurement. <i>Optics Express</i> , 2007 , 15, 11095-116	3.3	43
447	The effect of pitch in multislice spiral/helical CT. <i>Medical Physics</i> , 1999 , 26, 2648-53	4.4	43
446	Machine learning will transform radiology significantly within the next 5 years. <i>Medical Physics</i> , 2017 , 44, 2041-2044	4.4	41

445	A scheme for multisource interior tomography. <i>Medical Physics</i> , 2009 , 36, 3575-81	4.4	41
444	Exact interior reconstruction from truncated limited-angle projection data. <i>International Journal of Biomedical Imaging</i> , 2008 , 2008, 427989	5.2	40
443	Half-scan cone-beam CT fluoroscopy with multiple x-ray sources. <i>Medical Physics</i> , 2001 , 28, 1466-71	4.4	40
442	Stereological assessment of mouse lung parenchyma via nondestructive, multiscale micro-CT imaging validated by light microscopic histology. <i>Journal of Applied Physiology</i> , 2013 , 114, 716-24	3.7	39
441	A born-type approximation method for bioluminescence tomography. <i>Medical Physics</i> , 2006 , 33, 679-86	4.4	39
440	Overview of bioluminescence tomography--a new molecular imaging modality. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 1281-93	2.8	39
439	Multispectral bioluminescence tomography: methodology and simulation. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 57614	5.2	38
438	A unified framework for exact cone-beam reconstruction formulas. <i>Medical Physics</i> , 2005 , 32, 1712-21	4.4	38
437	Data consistency based translational motion artifact reduction in fan-beam CT. <i>IEEE Transactions on Medical Imaging</i> , 2006 , 25, 792-803	11.7	38
436	Three-dimensional geometric modeling of the cochlea using helico-spiral approximation. <i>IEEE Transactions on Biomedical Engineering</i> , 2000 , 47, 1392-402	5	38
435	Interior Reconstruction Using the Truncated Hilbert Transform via Singular Value Decomposition. <i>Journal of X-Ray Science and Technology</i> , 2008 , 16, 243-251	2.1	38
434	Spectral CT modeling and reconstruction with hybrid detectors in dynamic-threshold-based counting and integrating modes. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 716-28	11.7	37
433	Molecular Optical Simulation Environment (MOSE): a platform for the simulation of light propagation in turbid media. <i>PLoS ONE</i> , 2013 , 8, e61304	3.7	37
432	Exact interior reconstruction with cone-beam CT. <i>International Journal of Biomedical Imaging</i> , 2007 , 2007, 10693	5.2	37
431	Approximate and exact cone-beam reconstruction with standard and non-standard spiral scanning. <i>Physics in Medicine and Biology</i> , 2007 , 52, R1-13	3.8	37
430	Low-dose CT denoising with convolutional neural network 2017 ,		36
429	A parallel adaptive finite element simplified spherical harmonics approximation solver for frequency domain fluorescence molecular imaging. <i>Physics in Medicine and Biology</i> , 2010 , 55, 4625-45	3.8	35
428	Spectrally resolving and scattering-compensated x-ray luminescence/fluorescence computed tomography. <i>Journal of Biomedical Optics</i> , 2011 , 16, 066014	3.5	34

427	On Interpretability of Artificial Neural Networks: A Survey.. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021 , 5, 741-760	4.2	34
426	Spiral computed tomographic colonography: determination of the central axis and digital unraveling of the colon. <i>Academic Radiology</i> , 1997 , 4, 367-73	4.3	33
425	Half-scan cone-beam x-ray microtomography formula. <i>Scanning</i> , 1994 , 16, 216-20	1.6	31
424	A knowledge-based cone-beam x-ray CT algorithm for dynamic volumetric cardiac imaging. <i>Medical Physics</i> , 2002 , 29, 1807-22	4.4	31
423	Towards omni-tomography--grand fusion of multiple modalities for simultaneous interior tomography. <i>PLoS ONE</i> , 2012 , 7, e39700	3.7	30
422	Design, analysis and simulation for development of the first clinical micro-CT scanner. <i>Academic Radiology</i> , 2005 , 12, 511-25	4.3	30
421	Tomography-based 3-D anisotropic elastography using boundary measurements. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 1323-33	11.7	30
420	Temperature-modulated bioluminescence tomography. <i>Optics Express</i> , 2006 , 14, 7852-71	3.3	30
419	MRI Super-Resolution With Ensemble Learning and Complementary Priors. <i>IEEE Transactions on Computational Imaging</i> , 2020 , 6, 615-624	4.5	29
418	A tensor PRISM algorithm for multi-energy CT reconstruction and comparative studies. <i>Journal of X-Ray Science and Technology</i> , 2014 , 22, 147-63	2.1	29
417	A backprojection-filtration algorithm for nonstandard spiral cone-beam CT with an n-PI-window. <i>Physics in Medicine and Biology</i> , 2005 , 50, 2099-111	3.8	29
416	Unwrapping Cochlear implants by spiral CT. <i>IEEE Transactions on Biomedical Engineering</i> , 1996 , 43, 891-900	3.0	29
415	Analytic modeling of breast elastography. <i>Medical Physics</i> , 2003 , 30, 2340-9	4.4	28
414	Optimal pitch in spiral computed tomography. <i>Medical Physics</i> , 1997 , 24, 1635-9	4.4	27
413	Immunotherapy is associated with improved survival and decreased neurologic death after SRS for brain metastases from lung and melanoma primaries. <i>Neuro-Oncology Practice</i> , 2019 , 6, 402-409	2.2	26
412	Finite detector based projection model for high spatial resolution. <i>Journal of X-Ray Science and Technology</i> , 2012 , 20, 229-38	2.1	26
411	A study on tetrahedron-based inhomogeneous Monte Carlo optical simulation. <i>Biomedical Optics Express</i> , 2010 , 2, 44-57	3.5	26
410	SART-type image reconstruction from a limited number of projections with the sparsity constraint. <i>International Journal of Biomedical Imaging</i> , 2010 , 2010, 934847	5.2	26

409	Non-uniqueness and instability of 'ankylography'. <i>Nature</i> , 2011 , 480, E2-3	50.4	26
408	Feldkamp-type VOI reconstruction from super-short-scan cone-beam data. <i>Medical Physics</i> , 2004 , 31, 1357-62	4.4	26
407	Exact BPF and FBP algorithms for nonstandard saddle curves. <i>Medical Physics</i> , 2005 , 32, 3305-12	4.4	26
406	Spatial variation of section sensitivity profile in spiral computed tomography. <i>Medical Physics</i> , 1994 , 21, 1491-7	4.4	26
405	A method of rapid quantification of patient-specific organ doses for CT using deep-learning-based multi-organ segmentation and GPU-accelerated Monte Carlo dose computing. <i>Medical Physics</i> , 2020 , 47, 2526-2536	4.4	25
404	Multi-Contrast Super-Resolution MRI Through a Progressive Network. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2738-2749	11.7	25
403	Combination of current-integrating/photon-counting detector modules for spectral CT. <i>Physics in Medicine and Biology</i> , 2013 , 58, 7009-24	3.8	25
402	Shape and margin-aware lung nodule classification in low-dose CT images via soft activation mapping. <i>Medical Image Analysis</i> , 2020 , 60, 101628	15.4	25
401	Analytic comparison between X-ray fluorescence CT and K-edge CT. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 975-85	5	24
400	SART-Type Half-Threshold Filtering Approach for CT Reconstruction. <i>IEEE Access</i> , 2014 , 2, 602-613	3.5	24
399	A general total variation minimization theorem for compressed sensing based interior tomography. <i>International Journal of Biomedical Imaging</i> , 2009 , 2009, 125871	5.2	24
398	Differential evolution approach for regularized bioluminescence tomography. <i>IEEE Transactions on Biomedical Engineering</i> , 2010 , 57, 2229-38	5	24
397	Wavelet Sampling and Localization Schemes for the Radon Transform in Two Dimensions. <i>SIAM Journal on Applied Mathematics</i> , 1997 , 57, 1749-1762	1.8	24
396	Three-dimensional modeling and visualization of the cochlea on the Internet. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2000 , 4, 144-51		24
395	Quadratic Autoencoder (Q-AE) for Low-Dose CT Denoising. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2035-2050	11.7	24
394	Three-dimensional x-ray fluorescence mapping of a gold nanoparticle-loaded phantom. <i>Medical Physics</i> , 2014 , 41, 031902	4.4	23
393	Z-Index Parameterization for Volumetric CT Image Reconstruction via 3-D Dictionary Learning. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 2466-2478	11.7	23
392	X-Optogenetics and U-Optogenetics: Feasibility and Possibilities. <i>Photonics</i> , 2015 , 2, 23-39	2.2	23

391	The first bioluminescence tomography system for simultaneous acquisition of multiview and multispectral data. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 58601	5.2	23
390	Spatial variation of resolution and noise in multi-detector row spiral CT. <i>Academic Radiology</i> , 2003 , 10, 607-13	4.3	23
389	Straightening the colon with curved cross sections: an approach to CT colonography. <i>Academic Radiology</i> , 1999 , 6, 398-410	4.3	23
388	Deep learning methods for CT image-domain metal artifact reduction 2017 ,		23
387	Boundary integral method for bioluminescence tomography. <i>Journal of Biomedical Optics</i> , 2006 , 11, 020503	5.0	22
386	Scanning cone-beam reconstruction algorithms for x-ray microtomography 1992 ,		22
385	. <i>IEEE Access</i> , 2014 , 2, 1568-1585	3.5	21
384	Image reconstruction from limited angle projections collected by multisource interior x-ray imaging systems. <i>Physics in Medicine and Biology</i> , 2011 , 56, 6337-57	3.8	21
383	CAM-CM: a signal deconvolution tool for in vivo dynamic contrast-enhanced imaging of complex tissues. <i>Bioinformatics</i> , 2011 , 27, 2607-9	7.2	21
382	Recent Development in Bioluminescence Tomography. <i>Current Medical Imaging</i> , 2006 , 2, 453-457	1.2	21
381	Modeling photon propagation in biological tissues using a generalized Delta-Eddington phase function. <i>Physical Review E</i> , 2007 , 76, 051913	2.4	21
380	An error-reduction-based algorithm for cone-beam computed tomography. <i>Medical Physics</i> , 2004 , 31, 3206-12	4.4	21
379	A Grangeat-type half-scan algorithm for cone-beam CT. <i>Medical Physics</i> , 2003 , 30, 689-700	4.4	21
378	Preliminary study on helical CT algorithms for patient motion estimation and compensation. <i>IEEE Transactions on Medical Imaging</i> , 1995 , 14, 205-11	11.7	21
377	Deep learning methods to guide CT image reconstruction and reduce metal artifacts 2017 ,		20
376	High-resolution mesoscopic fluorescence molecular tomography based on compressive sensing. <i>IEEE Transactions on Biomedical Engineering</i> , 2015 , 62, 248-55	5	20
375	Vision 20/20: Simultaneous CT-MRI--Next chapter of multimodality imaging. <i>Medical Physics</i> , 2015 , 42, 5879-89	4.4	20
374	Hybrid spectral micro-CT: system design, implementation, and preliminary results. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 246-53	5	20

373	Differential phase-contrast interior tomography. <i>Physics in Medicine and Biology</i> , 2012 , 57, 2905-14	3.8	20
372	X-ray phase-contrast imaging with three 2D gratings. <i>International Journal of Biomedical Imaging</i> , 2008 , 2008, 827152	5.2	20
371	Energy Window Optimization for X-Ray K-Edge Tomographic Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1623-30	5	19
370	Scout-view assisted interior micro-CT. <i>Physics in Medicine and Biology</i> , 2013 , 58, 4297-314	3.8	19
369	A bibliometric analysis of academic publication and NIH funding. <i>Journal of Informetrics</i> , 2013 , 7, 318-324	5.1	19
368	Elastography method for reconstruction of nonlinear breast tissue properties. <i>International Journal of Biomedical Imaging</i> , 2009 , 2009, 406854	5.2	19
367	High-order total variation minimization for interior SPECT. <i>Inverse Problems</i> , 2012 , 28,	2.3	19
366	Theoretical and numerical analysis on multispectral bioluminescence tomography. <i>IMA Journal of Applied Mathematics</i> , 2007 , 72, 67-85	1	19
365	PI-line-based image reconstruction in helical cone-beam computed tomography with a variable pitch. <i>Medical Physics</i> , 2005 , 32, 2639-48	4.4	19
364	DRONE: Dual-Domain Residual-based Optimization NETwork for Sparse-View CT Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3002-3014	11.7	19
363	High-kVp Assisted Metal Artifact Reduction for X-ray Computed Tomography. <i>IEEE Access</i> , 2016 , 4, 4769-4776	4.76	18
362	Simultaneous CT-MRI Reconstruction for Constrained Imaging Geometries Using Structural Coupling and Compressive Sensing. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1301-1309	5	18
361	Possible Animal Embryos from the Lower Cambrian (Stage 3) Shuijingtuo Formation, Hubei Province, South China. <i>Journal of Paleontology</i> , 2014 , 88, 385-394	1.1	18
360	X-ray micromodulated luminescence tomography in dual-cone geometry. <i>Journal of Biomedical Optics</i> , 2014 , 19, 76002	3.5	18
359	Minimum detection windows, PI-line existence and uniqueness for helical cone-beam scanning of variable pitch. <i>Medical Physics</i> , 2004 , 31, 566-72	4.4	18
358	Formulation of photon diffusion from spherical bioluminescent sources in an infinite homogeneous medium. <i>BioMedical Engineering OnLine</i> , 2004 , 3, 12	4.1	18
357	A practical method to determine the light source distribution in bioluminescent imaging 2004 ,		18
356	Super-resolution MRI and CT through GAN-CIRCLE 2019 ,		18

355	Machine Learning for Tomographic Imaging		18
354	GasHis-Transformer: A Multi-scale Visual Transformer Approach for Gastric Histopathological Image Detection. <i>Pattern Recognition</i> , 2022 , 108827	7.7	18
353	Visual Attention Network for Low-Dose CT. <i>IEEE Signal Processing Letters</i> , 2019 , 26, 1152-1156	3.2	17
352	. <i>IEEE Access</i> , 2014 , 2, 1359-1363	3.5	17
351	Compressive sensing-based interior tomography: preliminary clinical application. <i>Journal of Computer Assisted Tomography</i> , 2011 , 35, 762-4	2.2	17
350	Completeness map evaluation demonstrated with candidate next-generation cardiac CT architectures. <i>Medical Physics</i> , 2012 , 39, 2405-16	4.4	17
349	Bioluminescence tomography with optimized optical parameters. <i>Inverse Problems</i> , 2007 , 23, 1215-1228	2.3	17
348	Local ROI Reconstruction via Generalized FBP and BPF Algorithms along More Flexible Curves. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 14989	5.2	17
347	Fractional scan algorithms for low-dose perfusion CT. <i>Medical Physics</i> , 2004 , 31, 1254-7	4.4	17
346	An intuitive discussion on the ideal ramp filter in computed tomography (I). <i>Computers and Mathematics With Applications</i> , 2005 , 49, 731-740	2.7	17
345	Feldkamp-type cone-beam tomography in the wavelet framework. <i>IEEE Transactions on Medical Imaging</i> , 2000 , 19, 922-9	11.7	17
344	Low-Dose CT Image Denoising Using a Generative Adversarial Network With a Hybrid Loss Function for Noise Learning. <i>IEEE Access</i> , 2020 , 8, 67519-67529	3.5	17
343	Three-dimensional characterization of iron oxide (Fe ₂ O ₃) nanoparticles: application of a compressed sensing inspired reconstruction algorithm to electron tomography. <i>Microscopy and Microanalysis</i> , 2012 , 18, 1362-7	0.5	16
342	Low-contrast resolution in volumetric x-ray CT--analytical comparison between conventional and spiral CT. <i>Medical Physics</i> , 1997 , 24, 373-6	4.4	16
341	Analysis on the strip-based projection model for discrete tomography. <i>Discrete Applied Mathematics</i> , 2008 , 156, 2359-2367	1	16
340	A fast CT reconstruction scheme for a general multi-core PC. <i>International Journal of Biomedical Imaging</i> , 2007 , 2007, 29160	5.2	16
339	Exact reconstruction for cone-beam scanning along nonstandard spirals and other curves 2004 ,		16
338	A differentiable Shepp-Logan phantom and its applications in exact cone-beam CT. <i>Physics in Medicine and Biology</i> , 2005 , 50, 5583-95	3.8	16

337	An iterative algorithm for X-ray CT fluoroscopy. <i>IEEE Transactions on Medical Imaging</i> , 1998 , 17, 853-6	11.7	16
336	Spectral CT Reconstruction ASSIST: Aided by Self-Similarity in Image-Spectral Tensors. <i>IEEE Transactions on Computational Imaging</i> , 2019 , 5, 420-436	4.5	15
335	AirNet: Fused analytical and iterative reconstruction with deep neural network regularization for sparse-data CT. <i>Medical Physics</i> , 2020 , 47, 2916-2930	4.4	15
334	A new type of neurons for machine learning. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018 , 34, e2920	2.6	15
333	A dual-stream deep convolutional network for reducing metal streak artifacts in CT images. <i>Physics in Medicine and Biology</i> , 2019 , 64, 235003	3.8	15
332	Dynamic bowtie filter for cone-beam/multi-slice CT. <i>PLoS ONE</i> , 2014 , 9, e103054	3.7	15
331	Compressive sampling based interior reconstruction for dynamic carbon nanotube micro-CT. <i>Journal of X-Ray Science and Technology</i> , 2009 , 17, 295-303	2.1	15
330	A filtered backprojection algorithm for triple-source helical cone-beam CT. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 384-93	11.7	15
329	Interior SPECT- Exact and Stable ROI Reconstruction from Uniformly Attenuated Local Projections. <i>Communications in Numerical Methods in Engineering</i> , 2009 , 25, 693-710		15
328	X-ray dark-field imaging modeling. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012 , 29, 908-12	1.8	15
327	Multi-energy CT reconstruction based on Low Rank and Sparsity with the Split-Bregman Method (MLRSS) 2012 ,		15
326	Optimal section spacing in single-detector helical CT. <i>Radiology</i> , 2000 , 214, 575-8	20.5	15
325	Low-dose CT via deep CNN with skip connection and network-in-network 2019 ,		15
324	Artificial intelligence in image reconstruction: The change is here. <i>Physica Medica</i> , 2020 , 79, 113-125	2.7	15
323	Morphometric differences between central vs. surface acini in A/J mice using high-resolution micro-computed tomography. <i>Journal of Applied Physiology</i> , 2016 , 121, 115-22	3.7	15
322	X-ray CT geometrical calibration via locally linear embedding. <i>Journal of X-Ray Science and Technology</i> , 2016 , 24, 241-56	2.1	14
321	STABILITY OF THE INTERIOR PROBLEM FOR POLYNOMIAL REGION OF INTEREST. <i>Inverse Problems</i> , 2012 , 28, 65022	2.3	14
320	X-ray fluorescence tomographic system X-ray design and image reconstruction. <i>Journal of X-Ray Science and Technology</i> , 2013 , 21, 1-8	2.1	14

319	A fiber-optic-based imaging system for nondestructive assessment of cell-seeded tissue-engineered scaffolds. <i>Tissue Engineering - Part C: Methods</i> , 2012 , 18, 677-87	2.9	14
318	Evolution-operator-based single-step method for image processing. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 83847	5.2	14
317	Flux vector formulation for photon propagation in the biological tissue. <i>Optics Letters</i> , 2007 , 32, 2837-9	3	14
316	Geometric studies on variable radius spiral cone-beam scanning. <i>Medical Physics</i> , 2004 , 31, 1473-80	4.4	14
315	Modeling of elastic modulus evolution of cirrhotic human liver. <i>IEEE Transactions on Biomedical Engineering</i> , 2004 , 51, 1854-6	5	14
314	Axiomatic approach for quantification of image resolution. <i>IEEE Signal Processing Letters</i> , 1999 , 6, 257-258	2	14
313	Temporal bone volumetric image deblurring in spiral computed tomography scanning. <i>Academic Radiology</i> , 1995 , 2, 888-95	4.3	14
312	Virtual Monoenergetic CT Imaging via Deep Learning. <i>Patterns</i> , 2020 , 1, 100128	5.1	14
311	Cone-beam pseudo-lambda tomography. <i>Inverse Problems</i> , 2007 , 23, 203-215	2.3	13
310	Katsevich-type algorithms for variable radius spiral cone-beam CT 2004 ,		13
309	Computed tomography simulation with superquadrics. <i>Medical Physics</i> , 2005 , 32, 3136-43	4.4	13
308	Blind deblurring of spiral CT images-comparative studies on edge-to-noise ratios. <i>Medical Physics</i> , 2002 , 29, 821-9	4.4	13
307	Universal approximation with quadratic deep networks. <i>Neural Networks</i> , 2020 , 124, 383-392	9.1	12
306	Fast and accurate computation of system matrix for area integral model-based algebraic reconstruction technique. <i>Optical Engineering</i> , 2014 , 53, 113101	1.1	12
305	Dynamic bowtie for fan-beam CT. <i>Journal of X-Ray Science and Technology</i> , 2013 , 21, 579-90	2.1	12
304	Interior tomography with continuous singular value decomposition. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 2108-19	11.7	12
303	A Parallel Implementation of the Katsevich Algorithm for 3-D CT Image Reconstruction. <i>Journal of Supercomputing</i> , 2006 , 38, 35-47	2.5	12
302	Automatic measurement of the labyrinth using image registration and a deformable inner ear atlas. <i>Academic Radiology</i> , 2003 , 10, 988-99	4.3	12

301	GI tract unraveling by spiral CT 1995 ,		12
300	Accelerated Correction of Reflection Artifacts by Deep Neural Networks in Photo-Acoustic Tomography. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2615	2.6	11
299	A Stationary-Sources and Rotating-Detectors Computed Tomography Architecture for Higher Temporal Resolution and Lower Radiation Dose. <i>IEEE Access</i> , 2014 , 2, 1263-1271	3.5	11
298	Energy-discriminative performance of a spectral micro-CT system. <i>Journal of X-Ray Science and Technology</i> , 2013 , 21, 335-45	2.1	11
297	A Theoretical Framework of X-Ray Dark-Field Tomography. <i>SIAM Journal on Applied Mathematics</i> , 2011 , 71, 1557-1577	1.8	11
296	Can interior tomography outperform lambda tomography?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, E92-3, author reply E94-5	11.5	11
295	Digital spectral separation methods and systems for bioluminescence imaging. <i>Optics Express</i> , 2008 , 16, 1719-32	3.3	11
294	Integral equations of the photon fluence rate and flux based on a generalized Delta-Eddington phase function. <i>Journal of Biomedical Optics</i> , 2008 , 13, 024016	3.5	11
293	X-ray micro-CT with a displaced detector array: application to helical cone-beam reconstruction. <i>Medical Physics</i> , 2003 , 30, 2758-61	4.4	11
292	Maximum volume coverage in spiral computed tomography scanning. <i>Academic Radiology</i> , 1996 , 3, 423-433	4.3	11
291	Deep Learning Based High-Resolution Reconstruction of Trabecular Bone Microstructures from Low-Resolution CT Scans using GAN-CIRCLE. <i>Proceedings of SPIE</i> , 2020 , 11317,	1.7	11
290	Deep learning predicts cardiovascular disease risks from lung cancer screening low dose computed tomography. <i>Nature Communications</i> , 2021 , 12, 2963	17.4	11
289	Pseudo progression identification of glioblastoma with dictionary learning. <i>Computers in Biology and Medicine</i> , 2016 , 73, 94-101	7	11
288	Knowledge-Based Analysis for Mortality Prediction From CT Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 457-464	7.2	11
287	Parameter-Transferred Wasserstein Generative Adversarial Network (PT-WGAN) for Low-Dose PET Image Denoising.. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021 , 5, 213-223	4.2	11
286	Convex Hull Aided Registration Method (CHARM). <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2017 , 23, 2042-2055	4	10
285	Hybrid Imaging System for Simultaneous Spiral MR and X-ray (MRX) Scans. <i>IEEE Access</i> , 2017 , 5, 1050-1061	3.5	10
284	Predictors of Adverse Radiation Effect in Brain Metastasis Patients Treated With Stereotactic Radiosurgery and Immune Checkpoint Inhibitor Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 108, 295-303	4	10

283	Generalized backpropagation algorithm for training second-order neural networks. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018 , 34, e2956	2.6	10
282	Imaging and characterization of bioengineered blood vessels within a bioreactor using free-space and catheter-based OCT. <i>Lasers in Surgery and Medicine</i> , 2013 , 45, 391-400	3.6	10
281	Anisotropic elastography for local passive properties and active contractility of myocardium from dynamic heart imaging sequence. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 45957	5.2	10
280	Mathematical study and numerical simulation of multispectral bioluminescence tomography. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 54390	5.2	10
279	A general formula for fan-beam lambda tomography. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 10427	5.2	10
278	Review of Parallel Computing Techniques for Computed Tomography Image Reconstruction. <i>Current Medical Imaging</i> , 2006 , 2, 405-414	1.2	10
277	Practical cone-beam lambda tomography. <i>Medical Physics</i> , 2006 , 33, 3640-6	4.4	10
276	Reduction of half-scan shading artifact based on full-scan correction. <i>Academic Radiology</i> , 2006 , 13, 55-62.	3.3	10
275	Artifacts associated with implementation of the Grangeat formula. <i>Medical Physics</i> , 2002 , 29, 2871-80	4.4	10
274	Fast algorithm for soft straightening of the colon. <i>Academic Radiology</i> , 2000 , 7, 142-8	4.3	10
273	Review of CT image reconstruction open source toolkits. <i>Journal of X-Ray Science and Technology</i> , 2020 , 28, 619-639	2.1	9
272	Synergizing medical imaging and radiotherapy with deep learning. <i>Machine Learning: Science and Technology</i> , 2020 , 1, 021001	5.1	9
271	Learning From Pseudo-Randomness With an Artificial Neural Network Does God Play Pseudo-Dice?. <i>IEEE Access</i> , 2018 , 6, 22987-22992	3.5	9
270	Stored luminescence computed tomography. <i>Applied Optics</i> , 2014 , 53, 5672-6	1.7	9
269	Preliminary experimental results from a MARS Micro-CT system. <i>Journal of X-Ray Science and Technology</i> , 2012 , 20, 199-211	2.1	9
268	Scanning-fiber-based imaging method for tissue engineering. <i>Journal of Biomedical Optics</i> , 2012 , 17, 066010	3.5	9
267	On a family of differential approximations of the radiative transfer equation. <i>Journal of Mathematical Chemistry</i> , 2012 , 50, 689-702	2.1	9
266	Experimental studies on few-view reconstruction for high-resolution micro-CT. <i>Journal of X-Ray Science and Technology</i> , 2013 , 21, 25-42	2.1	9

265	Experimental study on bioluminescence tomography with multimodality fusion. <i>International Journal of Biomedical Imaging</i> , 2007 , 2007, 86741	5.2	9
264	A general exact method for synthesizing parallel-beam projections from cone-beam projections via filtered backprojection. <i>Physics in Medicine and Biology</i> , 2006 , 51, 5643-54	3.8	9
263	Cone-beam mammo-computed tomography from data along two tilting arcs. <i>Medical Physics</i> , 2006 , 33, 3621-33	4.4	9
262	Integral Invariants for Computed Tomography. <i>IEEE Signal Processing Letters</i> , 2006 , 13, 549-552	3.2	9
261	Error analysis on a generalized Feldkamp's cone-beam computed tomography algorithm. <i>Scanning</i> , 2006 , 17, 361-370	1.6	9
260	Image reconstruction for bioluminescence tomography 2004 ,		9
259	A family of analytic algorithms for cone-beam CT 2004 ,		9
258	Dynamic, nondestructive imaging of a bioengineered vascular graft endothelium. <i>PLoS ONE</i> , 2013 , 8, e61275	3.7	9
257	Unsupervised deconvolution of dynamic imaging reveals intratumor vascular heterogeneity and repopulation dynamics. <i>PLoS ONE</i> , 2014 , 9, e112143	3.7	9
256	A novel calibration method incorporating nonlinear optimization and ball-bearing markers for cone-beam CT with a parameterized trajectory. <i>Medical Physics</i> , 2019 , 46, 152-164	4.4	9
255	X-ray scatter correction for multi-source interior computed tomography. <i>Medical Physics</i> , 2017 , 44, 71-83	4.4	8
254	X-ray micro-modulated luminescence tomography (XMLT). <i>Optics Express</i> , 2014 , 22, 5572-80	3.3	8
253	Bioluminescence tomography with Gaussian prior. <i>Biomedical Optics Express</i> , 2010 , 1, 1259-1277	3.5	8
252	Computational methods for optical molecular imaging. <i>Communications in Numerical Methods in Engineering</i> , 2009 , 25, 1137-1161		8
251	Gel'fand-Graev's reconstruction formula in the 3D real space. <i>Medical Physics</i> , 2011 , 38 Suppl 1, S69	4.4	8
250	Lambda tomography with discontinuous scanning trajectories. <i>Physics in Medicine and Biology</i> , 2007 , 52, 4331-44	3.8	8
249	Relation between the filtered backprojection algorithm and the backprojection algorithm in CT. <i>IEEE Signal Processing Letters</i> , 2005 , 12, 633-636	3.2	8
248	A localization algorithm and error analysis for stereo x-ray image guidance. <i>Medical Physics</i> , 2000 , 27, 885-93	4.4	8

247	AI-Based Reconstruction for Fast MRI. Systematic Review and Meta-Analysis. <i>Proceedings of the IEEE</i> , 2022 , 110, 224-245	14.3	8
246	Optimized collusion prevention for online exams during social distancing. <i>Npj Science of Learning</i> , 2021 , 6, 5	6	8
245	Deep Encoder-Decoder Adversarial Reconstruction(DEAR) Network for 3D CT from Few-View Data. <i>Bioengineering</i> , 2019 , 6,	5.3	8
244	Radiomics in lung cancer: Its time is here. <i>Medical Physics</i> , 2018 , 45, 997-1000	4.4	8
243	Multifactorial Analysis of Mortality in Screening Detected Lung Cancer. <i>Journal of Oncology</i> , 2018 , 2018, 1296246	4.5	8
242	Cine Cardiac MRI Motion Artifact Reduction Using a Recurrent Neural Network. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 2170-2181	11.7	8
241	Dictionary-learning-based reconstruction method for electron tomography. <i>Scanning</i> , 2014 , 36, 377-383	1.6	7
240	Interior micro-CT with an offset detector. <i>Medical Physics</i> , 2014 , 41, 061915	4.4	7
239	Theoretical study on high order interior tomography. <i>Journal of X-Ray Science and Technology</i> , 2012 , 20, 423-36	2.1	7
238	Higher-order phase shift reconstruction approach. <i>Medical Physics</i> , 2010 , 37, 5238-42	4.4	7
237	Bolus characteristics based on Magnetic Resonance Angiography. <i>BioMedical Engineering OnLine</i> , 2006 , 5, 53	4.1	7
236	Studies on artifacts of the Katsevich algorithm for spiral cone-beam CT 2004 ,		7
235	Axiomatic characterization of nonlinear homomorphic means. <i>Journal of Mathematical Analysis and Applications</i> , 2005 , 303, 350-363	1.1	7
234	Localization of cochlear implant electrodes in radiographs. <i>Medical Physics</i> , 2000 , 27, 775-7	4.4	7
233	Optical tomographic imaging for breast cancer detection. <i>Journal of Biomedical Optics</i> , 2017 , 22, 1-6	3.5	7
232	Multimodal Biomedical Optical Imaging Review: Towards Comprehensive Investigation of Biological Tissues. <i>Current Molecular Imaging</i> , 2015 , 3, 72-87		7
231	CT image reconstruction on a low dimensional manifold. <i>Inverse Problems and Imaging</i> , 2019 , 13, 449-460	2.1	7
230	Deep learning based spectral CT imaging. <i>Neural Networks</i> , 2021 , 144, 342-358	9.1	7

229	Quest for the ultimate cardiac CT scanner. <i>Medical Physics</i> , 2017 , 44, 4506-4524	4.4	6
228	Dynamic Assessment of the Endothelialization of Tissue-Engineered Blood Vessels Using an Optical Coherence Tomography Catheter-Based Fluorescence Imaging System. <i>Tissue Engineering - Part C: Methods</i> , 2015 , 21, 758-66	2.9	6
227	Deep learning for high-resolution and high-sensitivity interferometric phase contrast imaging. <i>Scientific Reports</i> , 2020 , 10, 9891	4.9	6
226	A skeleton-tree-based approach to acinar morphometric analysis using microcomputed tomography with comparison of acini in young and old C57BL/6 mice. <i>Journal of Applied Physiology</i> , 2016 , 120, 1402-9	3.7	6
225	Elastography Method to Identify Material Distribution in Two-Phase Nonlinear Media. <i>Journal of Engineering Mechanics - ASCE</i> , 2014 , 140, 04014010	2.4	6
224	Model and reconstruction of a K-edge contrast agent distribution with an X-ray photon-counting detector. <i>Optics Express</i> , 2017 , 25, 9378-9392	3.3	6
223	X-Ray Fluorescence Computed Tomography With Polycapillary Focusing. <i>IEEE Access</i> , 2014 , 2, 1138-1142	3.5	6
222	Parallelism of iterative CT reconstruction based on local reconstruction algorithm. <i>Journal of Supercomputing</i> , 2009 , 48, 1-14	2.5	6
221	Fourier transform-based iterative method for differential phase-contrast computed tomography. <i>Optics Letters</i> , 2012 , 37, 1784-6	3	6
220	Demonstration of dose and scatter reductions for interior computed tomography. <i>Journal of Computer Assisted Tomography</i> , 2009 , 33, 967-72	2.2	6
219	A novel approach for studies of multispectral bioluminescence tomography. <i>Numerische Mathematik</i> , 2010 , 115, 553-583	2.2	6
218	Fast exact/quasi-exact FBP algorithms for triple-source helical cone-beam CT. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 756-70	11.7	6
217	An Adaptive Optimal Control Design for a Bolus Chasing Computed Tomography Angiography. <i>IEEE Transactions on Control Systems Technology</i> , 2008 , 16, 60-69	4.8	6
216	Digital eversion of a hollow structure: an application in virtual colonography. <i>International Journal of Biomedical Imaging</i> , 2008 , 2008, 763028	5.2	6
215	Spectral X-Ray CT Image Reconstruction with a Combination of Energy-Integrating and Photon-Counting Detectors. <i>PLoS ONE</i> , 2016 , 11, e0155374	3.7	6
214	Bioluminescence Tomography: Biomedical Background, Mathematical Theory, and Numerical Approximation. <i>Journal of Computational Mathematics</i> , 2008 , 26, 324-335	2.1	6
213	Deep Efficient End-to-end Reconstruction (DEER) Network for Few-view Breast CT Image Reconstruction. <i>IEEE Access</i> , 2020 , 8, 196633-196646	3.5	6
212	A two-dimensional feasibility study of deep learning-based feature detection and characterization directly from CT sinograms. <i>Medical Physics</i> , 2019 , 46, e790-e800	4.4	6

211	Fuzzy logic interpretation of quadratic networks. <i>Neurocomputing</i> , 2020 , 374, 10-21	5.4	6
210	Stabilizing deep tomographic reconstruction: Part A. Hybrid framework and experimental results. <i>Patterns</i> , 2022 , 100474	5.1	6
209	Stabilizing deep tomographic reconstruction: Part B. Convergence analysis and adversarial attacks. <i>Patterns</i> , 2022 , 100475	5.1	6
208	New concept on an integrated interior magnetic resonance imaging and medical linear accelerator system for radiation therapy. <i>Journal of Medical Imaging</i> , 2017 , 4, 015004	2.6	5
207	MCDNet \boxtimes Denoising Convolutional Neural Network to Accelerate Monte Carlo Radiation Transport Simulations: A Proof of Principle With Patient Dose From X-Ray CT Imaging. <i>IEEE Access</i> , 2019 , 7, 76680-76689	3.5	5
206	Design optimization of a periodic microstructured array anode for hard x-ray grating interferometry. <i>Physics in Medicine and Biology</i> , 2019 , 64, 145011	3.8	5
205	Fluorescent imaging of endothelial cells in bioengineered blood vessels: the impact of crosslinking of the scaffold. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016 , 10, 955-966	4.4	5
204	Increased separability of K-edge nanoparticles by photon-counting detectors for spectral micro-CT. <i>Journal of X-Ray Science and Technology</i> , 2018 , 26, 707-726	2.1	5
203	Top-level design and pilot analysis of low-end CT scanners based on linear scanning for developing countries. <i>Journal of X-Ray Science and Technology</i> , 2014 , 22, 673-86	2.1	5
202	Dictionary Learning Based Low-Dose X-Ray CT Reconstruction 2014 , 99-119		5
201	Dictionary-learning-based reconstruction method for electron tomography. <i>Scanning</i> , 2014 , 36, 377-83	1.6	5
200	Statistical interior tomography 2010 ,		5
199	Cardiac computed tomography radiation dose reduction using interior reconstruction algorithm with the aorta and vertebra as known information. <i>Journal of Computer Assisted Tomography</i> , 2009 , 33, 338-47	2.2	5
198	PARAMETRIC STUDY OF TISSUE OPTICAL CLEARING BY LOCALIZED MECHANICAL COMPRESSION USING COMBINED FINITE ELEMENT AND MONTE CARLO SIMULATION. <i>Journal of Innovative Optical Health Sciences</i> , 2010 , 3, 203-211	1.2	5
197	Wavelet operators and their applications in computerized tomography 1997 ,		5
196	Cone-beam composite-circling scan and exact image reconstruction for a quasi-short object. <i>International Journal of Biomedical Imaging</i> , 2007 , 2007, 87319	5.2	5
195	Improving the accuracy of the diffusion model in highly absorbing media. <i>International Journal of Biomedical Imaging</i> , 2007 , 2007, 38168	5.2	5
194	A comparative study on interpolation methods for controlled cardiac CT. <i>International Journal of Imaging Systems and Technology</i> , 2007 , 17, 91-98	2.5	5

193	Adaptive Bolus Chasing Computed Tomography Angiography: Control Scheme and Experimental Results. <i>Biomedical Signal Processing and Control</i> , 2008 , 3, 319-326	4.9	5
192	MicroCT-guided bioluminescence tomography based on the adaptive finite element tomographic algorithm. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 381-4		5
191	Elasto-mammography: Theory, Algorithm, and Phantom Study. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 53050	5.2	5
190	Digital tomosynthesis aided by low-resolution exact computed tomography. <i>Journal of Computer Assisted Tomography</i> , 2007 , 31, 976-83	2.2	5
189	Computational optical biopsy. <i>BioMedical Engineering OnLine</i> , 2005 , 4, 36	4.1	5
188	Grangeat-type helical half-scan computerized tomography algorithm for reconstruction of a short object. <i>Medical Physics</i> , 2004 , 31, 4-16	4.4	5
187	General formula for fan-beam computed tomography. <i>Physical Review Letters</i> , 2005 , 95, 258102	7.4	5
186	Model of intravenous bolus propagation for optimization of contrast enhancement 2000 , 3978, 436		5
185	Digital X-ray stereophotogrammetry for cochlear implantation. <i>IEEE Transactions on Biomedical Engineering</i> , 2000 , 47, 1120-30	5	5
184	A derivative-free noncircular fan-beam reconstruction formula. <i>IEEE Transactions on Image Processing</i> , 1993 , 2, 543-7	8.7	5
183	Dual network architecture for few-view CT - trained on ImageNet data and transferred for medical imaging 2019 ,		5
182	Small-angle scatter tomography with a photon-counting detector array. <i>Physics in Medicine and Biology</i> , 2016 , 61, 3734-48	3.8	5
181	Impact of brain metastasis velocity on neurologic death for brain metastasis patients experiencing distant brain failure after initial stereotactic radiosurgery. <i>Journal of Neuro-Oncology</i> , 2020 , 146, 285-292	4.8	5
180	River Extraction under Bankfull Discharge Conditions Based on Sentinel-2 Imagery and DEM Data. <i>Remote Sensing</i> , 2021 , 13, 2650	5	5
179	Superiorization-based multi-energy CT image reconstruction. <i>Inverse Problems</i> , 2017 , 33,	2.3	4
178	High-resolution X-ray phase-contrast imaging with a grating interferometer. <i>Journal of the Korean Physical Society</i> , 2017 , 71, 538-542	0.6	4
177	Upper-Bound on Dose Reduction in CT Reconstruction for Nodule Detection. <i>IEEE Access</i> , 2016 , 4, 4247-4253	3.5	4
176	Nanophosphor-Based Contrast Agents for Spectral X-ray Imaging. <i>Nanomaterials</i> , 2019 , 9,	5.4	4

175	Grating Oriented Line-Wise Filtration (GOLF) for Dual-Energy X-ray CT. <i>Sensing and Imaging</i> , 2017 , 18, 1	1.4	4
174	Spherical grating based x-ray Talbot interferometry. <i>Medical Physics</i> , 2015 , 42, 6514-9	4.4	4
173	Image reconstruction for x-ray K-edge imaging with a photon counting detector 2014 ,		4
172	Unified dual-modality image reconstruction with dual dictionaries 2012 ,		4
171	An integrated solution and analysis of bioluminescence tomography and diffuse optical tomography. <i>Communications in Numerical Methods in Engineering</i> , 2009 , 25, 639-656		4
170	Modeling and reconstruction of diffuse optical tomography using adjoint method. <i>Communications in Numerical Methods in Engineering</i> , 2009 , 25, 657-665		4
169	Exact image reconstruction with triple-source saddle-curve cone-beam scanning. <i>Physics in Medicine and Biology</i> , 2009 , 54, 2971-91	3.8	4
168	Monte Carlo fluorescence microtomography. <i>Journal of Biomedical Optics</i> , 2011 , 16, 070501	3.5	4
167	Studies on Palamodov's algorithm for cone-beam CT along a general curve. <i>Inverse Problems</i> , 2006 , 22, 447-460	2.3	4
166	Three-dimensional localization of cochlear implant electrodes using epipolar stereophotogrammetry. <i>IEEE Transactions on Biomedical Engineering</i> , 2004 , 51, 838-46	5	4
165	Convergence of the simultaneous algebraic reconstruction technique (SART) 2001 ,		4
164	Design of a dual CCD configuration to improve the signal-to-noise ratio. <i>Medical Physics</i> , 2000 , 27, 2435-4.4		4
163	Distortion reduction for fast soft straightening of the colon. <i>Academic Radiology</i> , 2000 , 7, 506-15	4.3	4
162	Exact and Approximate Cone-Beam X-ray Microtomography 1999 , 233-261		4
161	Comparison of deep learning and human observer performance for detection and characterization of simulated lesions. <i>Journal of Medical Imaging</i> , 2019 , 6, 025503	2.6	4
160	General rigid motion correction for computed tomography imaging based on locally linear embedding. <i>Optical Engineering</i> , 2018 , 57, 1	1.1	4
159	Simultaneous reconstruction of the initial pressure and sound speed in photoacoustic tomography using a deep-learning approach 2019 ,		4
158	Multi-task learning for mortality prediction in LDCT images 2020 ,		4

157	Techniques of CT colonography (virtual colonoscopy). <i>Critical Reviews in Biomedical Engineering</i> , 1999 , 27, 1-25	1.1	4
156	Study of an adaptive bolus chasing CT angiography. <i>Journal of X-Ray Science and Technology</i> , 2006 , 14, 27-38	2.1	4
155	An edge-on charge-transfer design for energy-resolved x-ray detection. <i>Physics in Medicine and Biology</i> , 2016 , 61, 4183-200	3.8	4
154	Attention augmented multi-scale network for single image super-resolution. <i>Applied Intelligence</i> , 2021 , 51, 935-951	4.9	4
153	Cardiac CT: A system architecture study. <i>Journal of X-Ray Science and Technology</i> , 2016 , 24, 43-65	2.1	3
152	Edge-oriented dual-dictionary guided enrichment (EDGE) for MRI-CT image reconstruction. <i>Journal of X-Ray Science and Technology</i> , 2016 , 24, 161-75	2.1	3
151	Talbot interferometry with curved quasi-periodic gratings: towards large field of view X-ray phase-contrast imaging. <i>Optics Express</i> , 2015 , 23, 26576-85	3.3	3
150	Data consistency condition for truncated projections in fan-beam geometry. <i>Journal of X-Ray Science and Technology</i> , 2015 , 23, 627-38	2.1	3
149	Spectral CT reconstruction using image sparsity and spectral correlation 2015 ,		3
148	Top-Level System Designs for Hybrid Low-Field MRI/CT with Potential of Pulmonary Imaging. <i>Sensing and Imaging</i> , 2014 , 15, 1	1.4	3
147	Dictionary learning based low-dose x-ray CT reconstruction using a balancing principle 2014 ,		3
146	TV-based image reconstruction of multiple objects in a fixed source-detector geometry. <i>Journal of X-Ray Science and Technology</i> , 2012 , 20, 277-89	2.1	3
145	Piecewise-constant-model-based interior tomography applied to dentin tubules. <i>Computational and Mathematical Methods in Medicine</i> , 2013 , 2013, 892451	2.8	3
144	Temperature-change-based thermal tomography. <i>International Journal of Biomedical Imaging</i> , 2009 , 2009, 464235	5.2	3
143	Nonlinear elasto-mammography for characterization of breast tissue properties. <i>International Journal of Biomedical Imaging</i> , 2011 , 2011, 540820	5.2	3
142	Spiral CT: current status and future directions 1997 , 3149, 203		3
141	In situ real-time chemiluminescence imaging of reactive oxygen species formation from cardiomyocytes. <i>International Journal of Biomedical Imaging</i> , 2008 , 2008, 941729	5.2	3
140	A General Scheme for Velocity Tomography. <i>Signal Processing</i> , 2008 , 88, 1165-1175	4.4	3

139	Controlled cardiac computed tomography. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 12819.2	3
138	Numerical study on the validity of the diffusion approximation for computational optical biopsy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007 , 24, 423-9	1.8 3
137	Modeling the forward problem based on the adaptive FEMs framework in bioluminescence tomography 2006 ,	3
136	Minimum detection window and inter-helix PI-line with triple-source helical cone-beam scanning 2004 ,	3
135	Geometrical modeling using multiregional marching tetrahedra for bioluminescence tomography 2005 ,	3
134	Axiomatic quantification of multidimensional image resolution. <i>IEEE Signal Processing Letters</i> , 2002 , 9, 120-122	3.2 3
133	Wavelet filtering algorithm for fan-beam CT. <i>Electronics Letters</i> , 1998 , 34, 2395	1.1 3
132	Metal artifact reduction for radiation therapy: a simulation study 2018 ,	3
131	A directional TV based ring artifact reduction method 2019 ,	3
130	Deep-learning-based breast CT for radiation dose reduction 2019 ,	3
129	An in vitro evaluation of cone-beam breast CT methods. <i>Journal of X-Ray Science and Technology</i> , 2008 , 16, 171-187	2.1 3
128	Scheme for Cheating Prevention in Online Exams during Social Distancing	3
127	A novel transfer learning framework for low-dose CT 2019 ,	3
126	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	11.7 3
125	Soft Autoencoder and Its Wavelet Adaptation Interpretation. <i>IEEE Transactions on Computational Imaging</i> , 2020 , 6, 1245-1257	4.5 3
124	Focused x-ray luminescence imaging system for small animals based on a rotary gantry. <i>Journal of Biomedical Optics</i> , 2021 , 26,	3.5 3
123	Task-Oriented Low-Dose CT Image Denoising. <i>Lecture Notes in Computer Science</i> , 2021 , 441-450	0.9 3
122	E-Index A Bibliometric Index of Research Efficiency. <i>IEEE Access</i> , 2018 , 6, 51355-51364	3.5 3

121	Correction for 3D Convolutional Encoder-Decoder Network for Low-Dose CT via Transfer Learning From a 2D Trained Network [Jun 18 1522-1534]. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 2750-2757	11.7	3
120	Radiative transfer with delta-Eddington-type phase functions. <i>Applied Mathematics and Computation</i> , 2017 , 300, 70-78	2.7	2
119	A Reconfigurable energy-resolving method for a layered edge-on detector. <i>Physics in Medicine and Biology</i> , 2019 , 64, 135008	3.8	2
118	A framework for least squares nonnegative matrix factorizations with Tikhonov regularization. <i>Neurocomputing</i> , 2020 , 387, 78-90	5.4	2
117	A framelet-based iterative maximum-likelihood reconstruction algorithm for spectral CT. <i>Inverse Problems</i> , 2016 , 32,	2.3	2
116	Novel Detection Scheme for X-ray Small-Angle Scattering. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018 , 2, 315-325	4.2	2
115	A new iterative algorithm for ring artifact reduction in CT using ring total variation. <i>Medical Physics</i> , 2019 , 46, 4803-4815	4.4	2
114	Sound Transmission-Based Elastography Imaging. <i>IEEE Access</i> , 2019 , 7, 74383-74392	3.5	2
113	Reply to "Comment on 'A study on tetrahedron-based inhomogeneous Monte-Carlo optical simulation'". <i>Biomedical Optics Express</i> , 2011 , 2, 1265-7	3.5	2
112	Compressed sensing inspired image reconstruction from overlapped projections. <i>International Journal of Biomedical Imaging</i> , 2010 , 2010,	5.2	2
111	Overview of multisource CT systems and methods 2010 ,		2
110	Line-source based x-ray tomography. <i>International Journal of Biomedical Imaging</i> , 2009 , 2009, 534516	5.2	2
109	Preliminary experimental results on controlled cardiac computed tomography: a phantom study. <i>Journal of X-Ray Science and Technology</i> , 2009 , 17, 175-87	2.1	2
108	Studies of a mathematical model for temperature-modulated bioluminescence tomography. <i>Applicable Analysis</i> , 2009 , 88, 193-213	0.8	2
107	Adaptive Bolus-chasing Computed Tomography Angiography in the Cases of Symmetric and Asymmetric Arterial Flows in Peripheral Arteries. <i>Biomedical Signal Processing and Control</i> , 2009 , 4, 302-308	4.9	2
106	The meaning of interior tomography 2011 ,		2
105	Patch-wise non-local low-rank for few-view multi-energy CT reconstruction 2012 ,		2
104	Exact and stable interior ROI reconstruction for radial MRI 2009 ,		2

103	A Dynamic Arterial Tree Phantom for studies of bolus chasing CT Angiography. <i>International Journal of Biomedical Engineering and Technology</i> , 2010 , 4, 88	1.3	2
102	Knowledge-based dynamic volumetric cardiac computed tomography with saddle curve trajectory. <i>Journal of Computer Assisted Tomography</i> , 2008 , 32, 942-50	2.2	2
101	Reply to the comment on Studies on Palamodov's algorithm for cone-beam CT along a general curve. <i>Inverse Problems</i> , 2006 , 22, 1505-1506	2.3	2
100	Recent development in bioluminescence tomography		2
99	A general formula for fan-beam lambda tomography. <i>International Journal of Biomedical Imaging</i> , 2007 , 2007, 95295	5.2	2
98	Selectable source rotational velocity for cardiac computed tomography. <i>Journal of Computer Assisted Tomography</i> , 2007 , 31, 16-21	2.2	2
97	Projection-based bolus detection for computed tomographic angiography. <i>Journal of Computer Assisted Tomography</i> , 2006 , 30, 846-9	2.2	2
96	Localization error analysis for stereo X-ray image guidance with probability method. <i>Medical Engineering and Physics</i> , 2001 , 23, 573-81	2.4	2
95	Radiologic volumetry on a personal computer with a stereologic method. <i>Academic Radiology</i> , 1998 , 5, 665-9	4.3	2
94	Interpolation algorithms for digital mammography systems with multiple detectors. <i>Academic Radiology</i> , 1999 , 6, 170-5	4.3	2
93	Computerized Tomography 1999 ,		2
92	GI tract unraveling in volumetric CT. <i>Lecture Notes in Computer Science</i> , 1996 , 1-12	0.9	2
91	Quadratic autoencoder for low-dose CT denoising 2019 ,		2
90	Inverse Problems in Bioluminescence Tomography. <i>Series in Contemporary Applied Mathematics</i> , 2006 , 114-148	0	2
89	X-ray luminescence imaging for small animals. <i>Proceedings of SPIE</i> , 2020 , 11224,	1.7	2
88	Medipix-based Spectral Micro-CT 2012 , 21, 583		2
87	Low-dimensional Manifold Constrained Disentanglement Network for Metal Artifact Reduction. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021 , 1-1	4.2	2
86	Anti-cheating Online Exams by Minimizing the Cheating Gain		2

85	Medical Imaging634-712		2
84	Robust Frame Based X-Ray CT Reconstruction. <i>Journal of Computational Mathematics</i> , 2016 , 34, 683-704	2.1	2
83	Quantitative analysis of a micro array anode structured target for hard x-ray grating interferometry. <i>Physics in Medicine and Biology</i> , 2020 , 65, 035008	3.8	2
82	Spatial Distributions of At-Many-Stations Hydraulic Geometry for Mountain Rivers Originated From the Qinghai-Tibet Plateau. <i>Water Resources Research</i> , 2021 , 57, e2020WR029090	5.4	2
81	A mixed reality approach for stereo-tomographic quantification of lung nodules. <i>Journal of X-Ray Science and Technology</i> , 2016 , 24, 615-25	2.1	2
80	Fully 3D geometrical calibration for an X-ray grating-based imaging system. <i>Journal of X-Ray Science and Technology</i> , 2016 , 24, 821-836	2.1	2
79	A spectral interior CT by a framelet-based reconstruction algorithm. <i>Journal of X-Ray Science and Technology</i> , 2016 , 24, 771-785	2.1	2
78	Simultaneous Emission-Transmission Tomography in an MRI Hardware Framework. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018 , 2, 326-336	4.2	2
77	Multi-window learning for metal artifact reduction 2021 ,		2
76	Characteristic performance investigation of a photon counting detector for x-ray fluorescence imaging applications 2017 ,		1
75	A novel framework for the NMF methods with experiments to unmixing signals and feature representation. <i>Journal of Computational and Applied Mathematics</i> , 2019 , 362, 205-218	2.4	1
74	Clinical validation of CT image reconstruction with interior tomography. <i>Journal of X-Ray Science and Technology</i> , 2018 , 26, 303-309	2.1	1
73	Optical-CT Imaging. <i>Imaging in Medical Diagnosis and Therapy</i> , 2016 , 167-186		1
72	Innovation and fusion of x-ray and optical tomography for mouse studies of breast cancer 2016 ,		1
71	Wavelet-based joint CT-MRI reconstruction. <i>Journal of X-Ray Science and Technology</i> , 2018 , 26, 379-393	2.1	1
70	Hybrid Neural Networks for Mortality Prediction from LDCT Images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 6243-6246	0.9	1
69	Comparison of lp-regularization-based reconstruction methods for time domain fluorescence molecular tomography on early time gates 2014 ,		1
68	Initial analysis of the middle problem in CT image reconstruction. <i>Journal of X-Ray Science and Technology</i> , 2017 ,	2.1	1

67	A self-adaptive mask-enhanced dual-dictionary learning method for MRI-CT image reconstruction 2015,		1
66	Study of scan protocol for exposure reduction in hybrid spectral micro-CT. <i>Scanning</i> , 2014 , 36, 444-55	1.6	1
65	SLATE: virtualizing multiscale CT training. <i>Journal of X-Ray Science and Technology</i> , 2012 , 20, 239-48	2.1	1
64	Marriage of CT and MRI for vulnerable plaque characterization. <i>Imaging in Medicine</i> , 2013 , 5, 95-97	1	1
63	Speedup performance analysis of parallel Katsevich algorithm for 3D CT image reconstruction. <i>International Journal of Computational Science and Engineering</i> , 2011 , 6, 151	0.4	1
62	Recent progress in local reconstruction 2010,		1
61	Varying collimation for dark-field extraction. <i>International Journal of Biomedical Imaging</i> , 2009 , 2009, 847537	5.2	1
60	2012,		1
59	A reweighted total variation minimization method for few view CT reconstruction in the instant CT 2012,		1
58	Stereo-imaging towards spectrography for 3D analysis from a single spectral view 2012,		1
57	Tetrahedron-based orthogonal simultaneous scan for cone-beam computed tomography. <i>Optical Engineering</i> , 2012 , 51, 80502	1.1	1
56	X-ray phase-contrast imaging with 2D grating interferometry 2008,		1
55	Exact image reconstruction for triple-source cone-beam CT along saddle trajectories 2008,		1
54	Convex analysis and separation of composite signals in DCE-MRI 2008,		1
53	Determination of exact reconstruction regions in composite-circling cone-beam tomography. <i>Medical Physics</i> , 2009 , 36, 3448-54	4.4	1
52	A General Exact Method for Synthesizing Parallel-beam Projections from Cone-beam Projections by Filtered Backprojection 2006,		1
51	Rotational velocity control for cardiac CT 2006,		1
50	Simulation studies for triple-source helical cone-beam CT 2006,		1

49	Skew cone beam lambda tomography 2006 ,		1
48	General formulation for X-ray computed tomography 2006 ,		1
47	Localizing source distribution based on the adaptive finite element methods for bioluminescence tomography 2006 , 6318, 500		1
46	A general axiomatic system for image resolution quantification. <i>Journal of Mathematical Analysis and Applications</i> , 2006 , 315, 462-473	1.1	1
45	Numerical studies on Feldkamp-type and Katsevich-type algorithms for cone-beam scanning along nonstandard spirals 2004 ,		1
44	Convergence of iterative algorithms for image reconstruction		1
43	Experimental System for X-ray Cone-Beam Microtomography. <i>Microscopy and Microanalysis</i> , 1998 , 4, 56-62	0.5	1
42	Adaptive image interpolation for full-field digital x-ray mammography. <i>Applied Optics</i> , 1999 , 38, 253-7	1.7	1
41	Training artificial neurons: an introduction to machine learning 2019 ,		1
40	Modulated luminescence tomography. <i>Inverse Problems and Imaging</i> , 2015 , 9, 579-589	2.1	1
39	EM Medical Image Reconstruction in a Peer-to-Peer Systems. <i>Lecture Notes in Computer Science</i> , 2004 , 495-501	0.9	1
38	Generative Low-Dose CT Image Denoising. <i>Advances in Computer Vision and Pattern Recognition</i> , 2019 , 277-297	1.1	1
37	Comparison of deep learning and human observer performance for lesion detection and characterization 2019 ,		1
36	Clinical Micro-CT Empowered by Interior Tomography, Robotic Scanning, and Deep Learning. <i>IEEE Access</i> , 2020 , 8, 229018-229032	3.5	1
35	Numerical study on simultaneous emission and transmission tomography in the MRI framework 2017 ,		1
34	Deep learning for low-dose CT 2017 ,		1
33	Biomedical Imaging and Image Processing in Tissue Engineering 2011 , 155-178		1
32	Monochromatic image reconstruction via machine learning. <i>Machine Learning: Science and Technology</i> , 2021 , 2, 025032	5.1	1

31	Prediction of Coronary Calcification and Stenosis: Role of Radiomics From Low-Dose CT. <i>Academic Radiology</i> , 2021 , 28, 972-979	4.3	1
30	Compton-camera-based SPECT for thyroid cancer imaging. <i>Journal of X-Ray Science and Technology</i> , 2021 , 29, 111-124	2.1	1
29	Increasing angular sampling through deep learning for stationary cardiac SPECT image reconstruction.. <i>Journal of Nuclear Cardiology</i> , 2022 , 1	2.1	1
28	Projection decomposition via univariate optimization for dual-energy CT. <i>Journal of X-Ray Science and Technology</i> , 2022 , 1-12	2.1	1
27	Graph Regularized Sparse Autoencoders with Nonnegativity Constraints. <i>Neural Processing Letters</i> , 2019 , 50, 247-262	2.4	0
26	Multibeam field emission x-ray system with half-scan reconstruction algorithm. <i>Medical Physics</i> , 2010 , 37, 3773-81	4.4	0
25	Message from the Editor-in-Chief. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 81409	5.2	0
24	Modeling of moral decisions with deep learning. <i>Visual Computing for Industry, Biomedicine, and Art</i> , 2020 , 3, 27	2.9	0
23	On a Sparse Shortcut Topology of Artificial Neural Networks. <i>IEEE Transactions on Artificial Intelligence</i> , 2021 , 1-1	4.7	0
22	Data Augmentation for Training Deep Neural Networks 2021 , 151-164		0
21	Sinogram-based attenuation correction in PET/CT. <i>Journal of X-Ray Science and Technology</i> , 2016 , 24, 9-22	2.1	0
20	K-edge-based interior tomography. <i>Physics in Medicine and Biology</i> , 2018 , 63, 165017	3.8	
19	On a derivative-free fan-beam reconstruction formula. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 1173-6	8.7	
18	Dose reduction with adaptive bolus chasing computed tomography angiography. <i>Journal of X-Ray Science and Technology</i> , 2010 , 18, 15-25	2.1	
17	New relationship between the divergent beam projection and the Radon transform. <i>Journal of X-Ray Science and Technology</i> , 2011 , 19, 385-401	2.1	
16	Inverse fourier transform in the gamma coordinate system. <i>International Journal of Biomedical Imaging</i> , 2011 , 2011, 285130	5.2	
15	A Reduced Radiation Dose CTA. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 184-189		
14	Adaptive bolus chasing computed tomography angiography by a local linear time and space parameter varying model: modeling, control, identification, and experimental results. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2010 , 5, 118-127		

- 13 Adaptive Bolus Chasing Computed Tomography Angiography. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 6648-6653
- 12 Bolus chasing computed tomography angiography using local maximum tracking method. *International Journal of Modelling, Identification and Control*, **2007**, 2, 305 0.6
- 11 Image reconstruction via truncated lambda tomography **2006**, 6318, 491
- 10 Geometrical study on two tilting arcs based exact cone-beam CT for breast imaging **2006**, 6318, 509
- 9 Exact reconstruction for unequally spaced triple-source helical cone-beam CT **2006**, 6318, 546
- 8 Development of bioluminescence tomography **2006**, 6318, 104
- 7 A Reconstruction Algorithm for Triple-Source Helical Cone-Beam CT. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, **2005**, 2005, 1875-8
- 6 Parallel Iterative CT Image Reconstruction on a Linux Cluster of Legacy Computers **2005**, 369-373
- 5 Optical-CT Imaging **2018**, 167-186
- 4 New X-Ray Imaging Strategies: Implication for Cochlear Implantation **1999**, 1569-1573
- 3 Preclinical Optical Molecular Imaging **2014**, 241-273
- 2 Biomedical imaging and analysis through deep learning **2021**, 49-74
- 1 Feasibility analysis on simultaneous electron density and attenuation coefficient reconstruction. *Medical Physics*, **2021**, 48, 7236-7249 4.4