

# Ge Wang

## List of Publications by Year in Descending Order

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

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	AI-Based Reconstruction for Fast MRI. Systematic Review and Meta-Analysis. <i>Proceedings of the IEEE</i> , <b>2022</b> , 110, 224-245	14.3	8
515	Stabilizing deep tomographic reconstruction: Part A. Hybrid framework and experimental results. <i>Patterns</i> , <b>2022</b> , 100474	5.1	6
514	Stabilizing deep tomographic reconstruction: Part B. Convergence analysis and adversarial attacks. <i>Patterns</i> , <b>2022</b> , 100475	5.1	6
513	Increasing angular sampling through deep learning for stationary cardiac SPECT image reconstruction.. <i>Journal of Nuclear Cardiology</i> , <b>2022</b> , 1	2.1	1
512	Projection decomposition via univariate optimization for dual-energy CT. <i>Journal of X-Ray Science and Technology</i> , <b>2022</b> , 1-12	2.1	1
511	GasHis-Transformer: A Multi-scale Visual Transformer Approach for Gastric Histopathological Image Detection. <i>Pattern Recognition</i> , <b>2022</b> , 108827	7.7	18
510	On a Sparse Shortcut Topology of Artificial Neural Networks. <i>IEEE Transactions on Artificial Intelligence</i> , <b>2021</b> , 1-1	4.7	0
509	Low-dimensional Manifold Constrained Disentanglement Network for Metal Artifact Reduction. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2021</b> , 1-1	4.2	2
508	Deep Tomographic Image Reconstruction: Yesterday, Today, and Tomorrow. Editorial for the 2nd Special Issue Machine Learning for Image Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 2956-2964	11.7	3
507	Focused x-ray luminescence imaging system for small animals based on a rotary gantry. <i>Journal of Biomedical Optics</i> , <b>2021</b> , 26,	3.5	3
506	Optimized collusion prevention for online exams during social distancing. <i>Npj Science of Learning</i> , <b>2021</b> , 6, 5	6	8
505	Data Augmentation for Training Deep Neural Networks <b>2021</b> , 151-164		0
504	Monochromatic image reconstruction via machine learning. <i>Machine Learning: Science and Technology</i> , <b>2021</b> , 2, 025032	5.1	1
503	Deep learning predicts cardiovascular disease risks from lung cancer screening low dose computed tomography. <i>Nature Communications</i> , <b>2021</b> , 12, 2963	17.4	11
502	Spatial Distributions of At-Many-Stations Hydraulic Geometry for Mountain Rivers Originated From the Qinghai-Tibet Plateau. <i>Water Resources Research</i> , <b>2021</b> , 57, e2020WR029090	5.4	2
501	Prediction of Coronary Calcification and Stenosis: Role of Radiomics From Low-Dose CT. <i>Academic Radiology</i> , <b>2021</b> , 28, 972-979	4.3	1
500	Compton-camera-based SPECT for thyroid cancer imaging. <i>Journal of X-Ray Science and Technology</i> , <b>2021</b> , 29, 111-124	2.1	1

499	Biomedical imaging and analysis through deep learning <b>2021</b> , 49-74		
498	Parameter-Transferred Wasserstein Generative Adversarial Network (PT-WGAN) for Low-Dose PET Image Denoising.. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2021</b> , 5, 213-223	4.2	11
497	Attention augmented multi-scale network for single image super-resolution. <i>Applied Intelligence</i> , <b>2021</b> , 51, 935-951	4.9	4
496	Task-Oriented Low-Dose CT Image Denoising. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 441-450	0.9	3
495	On Interpretability of Artificial Neural Networks: A Survey.. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2021</b> , 5, 741-760	4.2	34
494	River Extraction under Bankfull Discharge Conditions Based on Sentinel-2 Imagery and DEM Data. <i>Remote Sensing</i> , <b>2021</b> , 13, 2650	5	5
493	Cine Cardiac MRI Motion Artifact Reduction Using a Recurrent Neural Network. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 2170-2181	11.7	8
492	Feasibility analysis on simultaneous electron density and attenuation coefficient reconstruction. <i>Medical Physics</i> , <b>2021</b> , 48, 7236-7249	4.4	
491	Multi-window learning for metal artifact reduction <b>2021</b> ,		2
490	Deep learning based spectral CT imaging. <i>Neural Networks</i> , <b>2021</b> , 144, 342-358	9.1	7
489	DRONE: Dual-Domain Residual-based Optimization NETwork for Sparse-View CT Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 3002-3014	11.7	19
488	Deep learning for tomographic image reconstruction. <i>Nature Machine Intelligence</i> , <b>2020</b> , 2, 737-748	22.5	66
487	Review of CT image reconstruction open source toolkits. <i>Journal of X-Ray Science and Technology</i> , <b>2020</b> , 28, 619-639	2.1	9
486	Deep learning for high-resolution and high-sensitivity interferometric phase contrast imaging. <i>Scientific Reports</i> , <b>2020</b> , 10, 9891	4.9	6
485	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> , <b>2020</b> , 47, 2526-2536	4.4	25
484	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> , <b>2020</b> , 108, 295-303	4	10
483	Multi-Contrast Super-Resolution MRI Through a Progressive Network. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 2738-2749	11.7	25
482	MRI Super-Resolution With Ensemble Learning and Complementary Priors. <i>IEEE Transactions on Computational Imaging</i> , <b>2020</b> , 6, 615-624	4.5	29

481	Universal approximation with quadratic deep networks. <i>Neural Networks</i> , <b>2020</b> , 124, 383-392	9.1	12
480	A framework for least squares nonnegative matrix factorizations with Tikhonov regularization. <i>Neurocomputing</i> , <b>2020</b> , 387, 78-90	5.4	2
479	AirNet: Fused analytical and iterative reconstruction with deep neural network regularization for sparse-data CT. <i>Medical Physics</i> , <b>2020</b> , 47, 2916-2930	4.4	15
478	Synergizing medical imaging and radiotherapy with deep learning. <i>Machine Learning: Science and Technology</i> , <b>2020</b> , 1, 021001	5.1	9
477	Deep Learning Based High-Resolution Reconstruction of Trabecular Bone Microstructures from Low-Resolution CT Scans using GAN-CIRCLE. <i>Proceedings of SPIE</i> , <b>2020</b> , 11317,	1.7	11
476	Multi-task learning for mortality prediction in LDCT images <b>2020</b> ,		4
475	X-ray luminescence imaging for small animals. <i>Proceedings of SPIE</i> , <b>2020</b> , 11224,	1.7	2
474	Modeling of moral decisions with deep learning. <i>Visual Computing for Industry, Biomedicine, and Art</i> , <b>2020</b> , 3, 27	2.9	0
473	Clinical Micro-CT Empowered by Interior Tomography, Robotic Scanning, and Deep Learning. <i>IEEE Access</i> , <b>2020</b> , 8, 229018-229032	3.5	1
472	Quantitative analysis of a micro array anode structured target for hard x-ray grating interferometry. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 035008	3.8	2
471	Quadratic Autoencoder (Q-AE) for Low-Dose CT Denoising. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 2035-2050	11.7	24
470	Shape and margin-aware lung nodule classification in low-dose CT images via soft activation mapping. <i>Medical Image Analysis</i> , <b>2020</b> , 60, 101628	15.4	25
469	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> , <b>2020</b> , 146, 285-292	4.8	5
468	Artificial intelligence in image reconstruction: The change is here. <i>Physica Medica</i> , <b>2020</b> , 79, 113-125	2.7	15
467	Virtual Monoenergetic CT Imaging via Deep Learning. <i>Patterns</i> , <b>2020</b> , 1, 100128	5.1	14
466	Soft Autoencoder and Its Wavelet Adaptation Interpretation. <i>IEEE Transactions on Computational Imaging</i> , <b>2020</b> , 6, 1245-1257	4.5	3
465	Deep Efficient End-to-end Reconstruction (DEER) Network for Few-view Breast CT Image Reconstruction. <i>IEEE Access</i> , <b>2020</b> , 8, 196633-196646	3.5	6
464	Fuzzy logic interpretation of quadratic networks. <i>Neurocomputing</i> , <b>2020</b> , 374, 10-21	5.4	6

463	Knowledge-Based Analysis for Mortality Prediction From CT Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2020</b> , 24, 457-464	7.2	11
462	CT Super-Resolution GAN Constrained by the Identical, Residual, and Cycle Learning Ensemble (GAN-CIRCLE). <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 188-203	11.7	140
461	Low-Dose CT Image Denoising Using a Generative Adversarial Network With a Hybrid Loss Function for Noise Learning. <i>IEEE Access</i> , <b>2020</b> , 8, 67519-67529	3.5	17
460	MCDNet $\square$ 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> , <b>2019</b> , 7, 76680-76689	3.5	5
459	Competitive performance of a modularized deep neural network compared to commercial algorithms for low-dose CT image reconstruction. <i>Nature Machine Intelligence</i> , <b>2019</b> , 1, 269-276	22.5	131
458	Design optimization of a periodic microstructured array anode for hard x-ray grating interferometry. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 145011	3.8	5
457	A novel framework for the NMF methods with experiments to unmixing signals and feature representation. <i>Journal of Computational and Applied Mathematics</i> , <b>2019</b> , 362, 205-218	2.4	1
456	Graph Regularized Sparse Autoencoders with Nonnegativity Constraints. <i>Neural Processing Letters</i> , <b>2019</b> , 50, 247-262	2.4	0
455	A Roadmap for Foundational Research on Artificial Intelligence in Medical Imaging: From the 2018 NIH/RSNA/ACR/The Academy Workshop. <i>Radiology</i> , <b>2019</b> , 291, 781-791	20.5	148
454	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> , <b>2019</b> , 6, 402-409	2.2	26
453	Spectral CT Reconstruction ASSIST: Aided by Self-Similarity in Image-Spectral Tensors. <i>IEEE Transactions on Computational Imaging</i> , <b>2019</b> , 5, 420-436	4.5	15
452	A Reconfigurable energy-resolving method for a layered edge-on detector. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 135008	3.8	2
451	A new iterative algorithm for ring artifact reduction in CT using ring total variation. <i>Medical Physics</i> , <b>2019</b> , 46, 4803-4815	4.4	2
450	Nanophosphor-Based Contrast Agents for Spectral X-ray Imaging. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	4
449	Visual Attention Network for Low-Dose CT. <i>IEEE Signal Processing Letters</i> , <b>2019</b> , 26, 1152-1156	3.2	17
448	Accelerated Correction of Reflection Artifacts by Deep Neural Networks in Photo-Acoustic Tomography. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2615	2.6	11
447	A dual-stream deep convolutional network for reducing metal streak artifacts in CT images. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 235003	3.8	15
446	Sound Transmission-Based Elastography Imaging. <i>IEEE Access</i> , <b>2019</b> , 7, 74383-74392	3.5	2

445	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> , <b>2019</b> , 2019, 6243-6246	0.9	1
444	Comparison of deep learning and human observer performance for detection and characterization of simulated lesions. <i>Journal of Medical Imaging</i> , <b>2019</b> , 6, 025503	2.6	4
443	A directional TV based ring artifact reduction method <b>2019</b> ,		3
442	Simultaneous reconstruction of the initial pressure and sound speed in photoacoustic tomography using a deep-learning approach <b>2019</b> ,		4
441	Deep-learning-based breast CT for radiation dose reduction <b>2019</b> ,		3
440	Super-resolution MRI and CT through GAN-CIRCLE <b>2019</b> ,		18
439	Training artificial neurons: an introduction to machine learning <b>2019</b> ,		1
438	Dual network architecture for few-view CT - trained on ImageNet data and transferred for medical imaging <b>2019</b> ,		5
437	Quadratic autoencoder for low-dose CT denoising <b>2019</b> ,		2
436	Low-dose CT via deep CNN with skip connection and network-in-network <b>2019</b> ,		15
435	CT image reconstruction on a low dimensional manifold. <i>Inverse Problems and Imaging</i> , <b>2019</b> , 13, 449-460.	1	7
434	Generative Low-Dose CT Image Denoising. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2019</b> , 277-297	1.1	1
433	Comparison of deep learning and human observer performance for lesion detection and characterization <b>2019</b> ,		1
432	A novel transfer learning framework for low-dose CT <b>2019</b> ,		3
431	Deep Encoder-Decoder Adversarial Reconstruction(DEAR) Network for 3D CT from Few-View Data. <i>Bioengineering</i> , <b>2019</b> , 6,	5.3	8
430	A two-dimensional feasibility study of deep learning-based feature detection and characterization directly from CT sinograms. <i>Medical Physics</i> , <b>2019</b> , 46, e790-e800	4.4	6
429	A novel calibration method incorporating nonlinear optimization and ball-bearing markers for cone-beam CT with a parameterized trajectory. <i>Medical Physics</i> , <b>2019</b> , 46, 152-164	4.4	9
428	LEARN: Learned Experts' Assessment-Based Reconstruction Network for Sparse-Data CT. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 1333-1347	11.7	156

427	Clinical validation of CT image reconstruction with interior tomography. <i>Journal of X-Ray Science and Technology</i> , <b>2018</b> , 26, 303-309	2.1	1
426	Generalized backpropagation algorithm for training second-order neural networks. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2018</b> , 34, e2956	2.6	10
425	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> , <b>2018</b> , 37, 1522-1534	11.7	160
424	Low-Dose CT Image Denoising Using a Generative Adversarial Network With Wasserstein Distance and Perceptual Loss. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 1348-1357	11.7	546
423	Learning From Pseudo-Randomness With an Artificial Neural Network Does God Play Pseudo-Dice?. <i>IEEE Access</i> , <b>2018</b> , 6, 22987-22992	3.5	9
422	A new type of neurons for machine learning. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2018</b> , 34, e2920	2.6	15
421	Wavelet-based joint CT-MRI reconstruction. <i>Journal of X-Ray Science and Technology</i> , <b>2018</b> , 26, 379-393	2.1	1
420	Increased separability of K-edge nanoparticles by photon-counting detectors for spectral micro-CT. <i>Journal of X-Ray Science and Technology</i> , <b>2018</b> , 26, 707-726	2.1	5
419	Novel Detection Scheme for X-ray Small-Angle Scattering. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2018</b> , 2, 315-325	4.2	2
418	Structurally-sensitive Multi-scale Deep Neural Network for Low-Dose CT Denoising. <i>IEEE Access</i> , <b>2018</b> , 6, 41839-41855	3.5	99
417	K-edge-based interior tomography. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 165017	3.8	
416	General rigid motion correction for computed tomography imaging based on locally linear embedding. <i>Optical Engineering</i> , <b>2018</b> , 57, 1	1.1	4
415	Metal artifact reduction for radiation therapy: a simulation study <b>2018</b> ,		3
414	Optical-CT Imaging <b>2018</b> , 167-186		
413	Radiomics in lung cancer: Its time is here. <i>Medical Physics</i> , <b>2018</b> , 45, 997-1000	4.4	8
412	E-Index A Bibliometric Index of Research Efficiency. <i>IEEE Access</i> , <b>2018</b> , 6, 51355-51364	3.5	3
411	Correction for BD 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> , <b>2018</b> , 37, 2750-2750	11.7	3
410	Image Reconstruction is a New Frontier of Machine Learning. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 1289-1296	11.7	236

409	Simultaneous Emission-Transmission Tomography in an MRI Hardware Framework. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2018</b> , 2, 326-336	4.2	2
408	Multifactorial Analysis of Mortality in Screening Detected Lung Cancer. <i>Journal of Oncology</i> , <b>2018</b> , 2018, 1296246	4.5	8
407	Radiative transfer with delta-Eddington-type phase functions. <i>Applied Mathematics and Computation</i> , <b>2017</b> , 300, 70-78	2.7	2
406	Superiorization-based multi-energy CT image reconstruction. <i>Inverse Problems</i> , <b>2017</b> , 33,	2.3	4
405	Deep learning methods to guide CT image reconstruction and reduce metal artifacts <b>2017</b> ,		20
404	Machine learning will transform radiology significantly within the next 5 years. <i>Medical Physics</i> , <b>2017</b> , 44, 2041-2044	4.4	41
403	Convex Hull Aided Registration Method (CHARM). <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2017</b> , 23, 2042-2055	4	10
402	New concept on an integrated interior magnetic resonance imaging and medical linear accelerator system for radiation therapy. <i>Journal of Medical Imaging</i> , <b>2017</b> , 4, 015004	2.6	5
401	Characteristic performance investigation of a photon counting detector for x-ray fluorescence imaging applications <b>2017</b> ,		1
400	Quest for the ultimate cardiac CT scanner. <i>Medical Physics</i> , <b>2017</b> , 44, 4506-4524	4.4	6
399	Low-Dose CT With a Residual Encoder-Decoder Convolutional Neural Network. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 2524-2535	11.7	580
398	Metal artifacts in computed tomography for radiation therapy planning: dosimetric effects and impact of metal artifact reduction. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, R49-R80	3.8	71
397	X-ray scatter correction for multi-source interior computed tomography. <i>Medical Physics</i> , <b>2017</b> , 44, 71-83	4.4	8
396	Hybrid Imaging System for Simultaneous Spiral MR and X-ray (MRX) Scans. <i>IEEE Access</i> , <b>2017</b> , 5, 1050-1061	5.15	10
395	High-resolution X-ray phase-contrast imaging with a grating interferometer. <i>Journal of the Korean Physical Society</i> , <b>2017</b> , 71, 538-542	0.6	4
394	Grating Oriented Line-Wise Filtration (GOLF) for Dual-Energy X-ray CT. <i>Sensing and Imaging</i> , <b>2017</b> , 18, 1	1.4	4
393	Low-dose CT denoising with convolutional neural network <b>2017</b> ,		36
392	Tensor-Based Dictionary Learning for Spectral CT Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 142-154	11.7	91

391	Z-Index Parameterization for Volumetric CT Image Reconstruction via 3-D Dictionary Learning. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 2466-2478	11.7	23
390	Initial analysis of the middle problem in CT image reconstruction. <i>Journal of X-Ray Science and Technology</i> , <b>2017</b> ,	2.1	1
389	Model and reconstruction of a K-edge contrast agent distribution with an X-ray photon-counting detector. <i>Optics Express</i> , <b>2017</b> , 25, 9378-9392	3.3	6
388	Low-dose CT via convolutional neural network. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 679-694	3.5	382
387	Optical tomographic imaging for breast cancer detection. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 1-6	3.5	7
386	Deep learning methods for CT image-domain metal artifact reduction <b>2017</b> ,		23
385	Numerical study on simultaneous emission and transmission tomography in the MRI framework <b>2017</b> ,		1
384	Deep learning for low-dose CT <b>2017</b> ,		1
383	Optical-CT Imaging. <i>Imaging in Medical Diagnosis and Therapy</i> , <b>2016</b> , 167-186		1
382	Spectral CT Reconstruction with Image Sparsity and Spectral Mean. <i>IEEE Transactions on Computational Imaging</i> , <b>2016</b> , 2, 510-523	4.5	57
381	Upper-Bound on Dose Reduction in CT Reconstruction for Nodule Detection. <i>IEEE Access</i> , <b>2016</b> , 4, 4247-4253	3.5	4
380	Metal Artifact Reduction in CT: Where Are We After Four Decades?. <i>IEEE Access</i> , <b>2016</b> , 4, 5826-5849	3.5	96
379	Innovation and fusion of x-ray and optical tomography for mouse studies of breast cancer <b>2016</b> ,		1
378	A framelet-based iterative maximum-likelihood reconstruction algorithm for spectral CT. <i>Inverse Problems</i> , <b>2016</b> , 32,	2.3	2
377	High-kVp Assisted Metal Artifact Reduction for X-ray Computed Tomography. <i>IEEE Access</i> , <b>2016</b> , 4, 4769-4776	3.7	18
376	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> , <b>2016</b> , 120, 1402-9	3.7	6
375	Cardiac CT: A system architecture study. <i>Journal of X-Ray Science and Technology</i> , <b>2016</b> , 24, 43-65	2.1	3
374	X-ray CT geometrical calibration via locally linear embedding. <i>Journal of X-Ray Science and Technology</i> , <b>2016</b> , 24, 241-56	2.1	14

373	Edge-oriented dual-dictionary guided enrichment (EDGE) for MRI-CT image reconstruction. <i>Journal of X-Ray Science and Technology</i> , <b>2016</b> , 24, 161-75	2.1	3
372	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> , <b>2016</b> , 10, 955-966	4.4	5
371	Simultaneous CT-MRI Reconstruction for Constrained Imaging Geometries Using Structural Coupling and Compressive Sensing. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 1301-1309	5	18
370	Energy Window Optimization for X-Ray K-Edge Tomographic Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 1623-30	5	19
369	Spectral X-Ray CT Image Reconstruction with a Combination of Energy-Integrating and Photon-Counting Detectors. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155374	3.7	6
368	Robust Frame Based X-Ray CT Reconstruction. <i>Journal of Computational Mathematics</i> , <b>2016</b> , 34, 683-704	2.1	2
367	Small-angle scatter tomography with a photon-counting detector array. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 3734-48	3.8	5
366	A mixed reality approach for stereo-tomographic quantification of lung nodules. <i>Journal of X-Ray Science and Technology</i> , <b>2016</b> , 24, 615-25	2.1	2
365	An edge-on charge-transfer design for energy-resolved x-ray detection. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 4183-200	3.8	4
364	Morphometric differences between central vs. surface acini in A/J mice using high-resolution micro-computed tomography. <i>Journal of Applied Physiology</i> , <b>2016</b> , 121, 115-22	3.7	15
363	Sinogram-based attenuation correction in PET/CT. <i>Journal of X-Ray Science and Technology</i> , <b>2016</b> , 24, 9-22	2.1	0
362	Fully 3D geometrical calibration for an X-ray grating-based imaging system. <i>Journal of X-Ray Science and Technology</i> , <b>2016</b> , 24, 821-836	2.1	2
361	A spectral interior CT by a framelet-based reconstruction algorithm. <i>Journal of X-Ray Science and Technology</i> , <b>2016</b> , 24, 771-785	2.1	2
360	A Perspective on Deep Imaging. <i>IEEE Access</i> , <b>2016</b> , 4, 8914-8924	3.5	242
359	Pseudo progression identification of glioblastoma with dictionary learning. <i>Computers in Biology and Medicine</i> , <b>2016</b> , 73, 94-101	7	11
358	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> , <b>2015</b> , 21, 758-66	2.9	6
357	Spectral CT modeling and reconstruction with hybrid detectors in dynamic-threshold-based counting and integrating modes. <i>IEEE Transactions on Medical Imaging</i> , <b>2015</b> , 34, 716-28	11.7	37
356	Tensor-based dictionary learning for dynamic tomographic reconstruction. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 2803-18	3.8	50

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10	Half-scan cone-beam x-ray microtomography formula. <i>Scanning</i> , <b>1994</b> , 16, 216-20	1.6	31
9	Spatial variation of section sensitivity profile in spiral computed tomography. <i>Medical Physics</i> , <b>1994</b> , 21, 1491-7	4.4	26
8	A derivative-free noncircular fan-beam reconstruction formula. <i>IEEE Transactions on Image Processing</i> , <b>1993</b> , 2, 543-7	8.7	5
7	Scanning cone-beam reconstruction algorithms for x-ray microtomography <b>1992</b> ,		22
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