

Jong Chul Ye

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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.

166
papers

6,764
citations

42
h-index

80
g-index

203
ext. papers

9,022
ext. citations

6.5
avg, IF

6.95
L-index

#	Paper	IF	Citations
166	NIRS-SPM: statistical parametric mapping for near-infrared spectroscopy. <i>NeuroImage</i> , 2009 , 44, 428-47	7.9	641
165	k-t FOCUSS: a general compressed sensing framework for high resolution dynamic MRI. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 103-16	4.4	433
164	A deep convolutional neural network using directional wavelets for low-dose X-ray CT reconstruction. <i>Medical Physics</i> , 2017 , 44, e360-e375	4.4	362
163	Deep Learning COVID-19 Features on CXR Using Limited Training Data Sets. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2688-2700	11.7	335
162	Statistical analysis of fNIRS data: a comprehensive review. <i>NeuroImage</i> , 2014 , 85 Pt 1, 72-91	7.9	217
161	Framing U-Net via Deep Convolutional Framelets: Application to Sparse-View CT. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1418-1429	11.7	216
160	Improved k-t BLAST and k-t SENSE using FOCUSS. <i>Physics in Medicine and Biology</i> , 2007 , 52, 3201-26	3.8	195
159	Compressive MUSIC: Revisiting the Link Between Compressive Sensing and Array Signal Processing. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 278-301	2.8	182
158	Wavelet minimum description length detrending for near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2009 , 14, 034004	3.5	178
157	Deep Convolutional Framelets: A General Deep Learning Framework for Inverse Problems. <i>SIAM Journal on Imaging Sciences</i> , 2018 , 11, 991-1048	1.9	177
156	Deep learning with domain adaptation for accelerated projection-reconstruction MR. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 1189-1205	4.4	155
155	Comparative study of iterative reconstruction algorithms for missing cone problems in optical diffraction tomography. <i>Optics Express</i> , 2015 , 23, 16933-48	3.3	141
154	Deep Convolutional Framelet Denosing for Low-Dose CT via Wavelet Residual Network. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1358-1369	11.7	139
153	Deep Residual Learning for Accelerated MRI Using Magnitude and Phase Networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 1985-1995	5	137
152	A data-driven sparse GLM for fMRI analysis using sparse dictionary learning with MDL criterion. <i>IEEE Transactions on Medical Imaging</i> , 2011 , 30, 1076-89	11.7	116
151	A General Framework for Compressed Sensing and Parallel MRI Using Annihilating Filter Based Low-Rank Hankel Matrix. <i>IEEE Transactions on Computational Imaging</i> , 2016 , 2, 480-495	4.5	115
150	Real-time visualization of 3-D dynamic microscopic objects using optical diffraction tomography. <i>Optics Express</i> , 2013 , 21, 32269-78	3.3	107

149	Enhancement of terahertz pulse emission by optical nanoantenna. <i>ACS Nano</i> , 2012 , 6, 2026-31	16.7	105
148	Image Reconstruction: From Sparsity to Data-adaptive Methods and Machine Learning. <i>Proceedings of the IEEE</i> , 2020 , 108, 86-109	14.3	98
147	k-Space Deep Learning for Accelerated MRI. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 377-386	11.7	98
146	FALCON: fast and unbiased reconstruction of high-density super-resolution microscopy data. <i>Scientific Reports</i> , 2014 , 4, 4577	4.9	90
145	Deep residual learning for compressed sensing MRI 2017 ,		90
144	Sparse-view spectral CT reconstruction using spectral patch-based low-rank penalty. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 748-60	11.7	90
143	Annihilating Filter-Based Low-Rank Hankel Matrix Approach for Image Inpainting. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 3498-511	8.7	89
142	Cycle-consistent adversarial denoising network for multiphase coronary CT angiography. <i>Medical Physics</i> , 2019 , 46, 550-562	4.4	83
141	Projection reconstruction MR imaging using FOCUSS. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 764-75	4.4	82
140	Quantitative analysis of hemodynamic and metabolic changes in subcortical vascular dementia using simultaneous near-infrared spectroscopy and fMRI measurements. <i>NeuroImage</i> , 2011 , 55, 176-84	7.9	77
139	Radial k-t FOCUSS for high-resolution cardiac cine MRI. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 68-78	4.4	71
138	Deep learning for tomographic image reconstruction. <i>Nature Machine Intelligence</i> , 2020 , 2, 737-748	22.5	66
137	Compressive diffuse optical tomography: noniterative exact reconstruction using joint sparsity. <i>IEEE Transactions on Medical Imaging</i> , 2011 , 30, 1129-42	11.7	60
136	Self-reference quantitative phase microscopy for microfluidic devices. <i>Optics Letters</i> , 2010 , 35, 514-6	3	60
135	Motion estimated and compensated compressed sensing dynamic magnetic resonance imaging: What we can learn from video compression techniques. <i>International Journal of Imaging Systems and Technology</i> , 2010 , 20, 81-98	2.5	60
134	Efficient B-Mode Ultrasound Image Reconstruction From Sub-Sampled RF Data Using Deep Learning. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 325-336	11.7	56
133	Acceleration of MR parameter mapping using annihilating filter-based low rank hankel matrix (ALOHA). <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 1848-1864	4.4	53
132	Fluorescent microscopy beyond diffraction limits using speckle illumination and joint support recovery. <i>Scientific Reports</i> , 2013 , 3, 2075	4.9	52

131	Sparse and Low-Rank Decomposition of a Hankel Structured Matrix for Impulse Noise Removal. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 1448-1461	8.7	49
130	Tracing the evolution of multi-scale functional networks in a mouse model of depression using persistent brain network homology. <i>NeuroImage</i> , 2014 , 101, 351-63	7.9	47
129	Motion adaptive patch-based low-rank approach for compressed sensing cardiac cine MRI. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 2069-85	11.7	45
128	Compressive Sampling Using Annihilating Filter-Based Low-Rank Interpolation. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 777-801	2.8	44
127	Nonlinear multigrid algorithms for Bayesian optical diffusion tomography. <i>IEEE Transactions on Image Processing</i> , 2001 , 10, 909-922	8.7	43
126	2019 ,		42
125	Mumford-Shah Loss Functional for Image Segmentation with Deep Learning. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	42
124	Compressed sensing MRI: a review from signal processing perspective. <i>BMC Biomedical Engineering</i> , 2019 , 1, 8	4.3	40
123	Quantification of CMRO(2) without hypercapnia using simultaneous near-infrared spectroscopy and fMRI measurements. <i>Physics in Medicine and Biology</i> , 2010 , 55, 3249-69	3.8	40
122	Deep Learning Diffuse Optical Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 877-887	11.7	40
121	Adaptive and Compressive Beamforming Using Deep Learning for Medical Ultrasound. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 1558-1572	3.2	37
120	Reference-free single-pass EPI Nyquist ghost correction using annihilating filter-based low rank Hankel matrix (ALOHA). <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 1775-1789	4.4	37
119	High-speed terahertz reflection three-dimensional imaging for nondestructive evaluation. <i>Optics Express</i> , 2012 , 20, 25432-40	3.3	32
118	A Self-Referencing Level-Set Method for Image Reconstruction from Sparse Fourier Samples. <i>International Journal of Computer Vision</i> , 2002 , 50, 253-270	10.6	32
117	Sparse SPM: Group Sparse-dictionary learning in SPM framework for resting-state functional connectivity MRI analysis. <i>NeuroImage</i> , 2016 , 125, 1032-1045	7.9	30
116	Compressed sensing fMRI using gradient-recalled echo and EPI sequences. <i>NeuroImage</i> , 2014 , 92, 312-217.9		30
115	Lipschitz-Killing curvature based expected Euler characteristics for p-value correction in fNIRS. <i>Journal of Neuroscience Methods</i> , 2012 , 204, 61-67	3	30
114	Low-Dose Abdominal CT Using a Deep Learning-Based Denoising Algorithm: A Comparison with CT Reconstructed with Filtered Back Projection or Iterative Reconstruction Algorithm. <i>Korean Journal of Radiology</i> , 2020 , 21, 356-364	6.9	30

113	3D high-density localization microscopy using hybrid astigmatic/ biplane imaging and sparse image reconstruction. <i>Biomedical Optics Express</i> , 2014 , 5, 3935-48	3.5	29
112	MRI artifact correction using sparse + low-rank decomposition of annihilating filter-based hankel matrix. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 327-340	4.4	26
111	Fully 3D iterative scatter-corrected OSEM for HRRT PET using a GPU. <i>Physics in Medicine and Biology</i> , 2011 , 56, 4991-5009	3.8	25
110	CycleMorph: Cycle consistent unsupervised deformable image registration. <i>Medical Image Analysis</i> , 2021 , 71, 102036	15.4	24
109	Understanding Graph Isomorphism Network for rs-fMRI Functional Connectivity Analysis. <i>Frontiers in Neuroscience</i> , 2020 , 14, 630	5.1	21
108	Structured Low-Rank Algorithms: Theory, Magnetic Resonance Applications, and Links to Machine Learning.. <i>IEEE Signal Processing Magazine</i> , 2020 , 37, 54-68	9.4	21
107	Topological persistence vineyard for dynamic functional brain connectivity during resting and gaming stages. <i>Journal of Neuroscience Methods</i> , 2016 , 267, 1-13	3	20
106	High-speed terahertz reflection three-dimensional imaging using beam steering. <i>Optics Express</i> , 2015 , 23, 5027-34	3.3	19
105	Improving Noise Robustness in Subspace-Based Joint Sparse Recovery. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 5799-5809	4.8	19
104	Unsupervised Deformable Image Registration Using Cycle-Consistent CNN. <i>Lecture Notes in Computer Science</i> , 2019 , 166-174	0.9	19
103	Reconstruction of multicontrast MR images through deep learning. <i>Medical Physics</i> , 2020 , 47, 983-997	4.4	19
102	Beyond Born-Rytov limit for super-resolution optical diffraction tomography. <i>Optics Express</i> , 2017 , 25, 30445-30458	3.3	18
101	CycleGAN With a Blur Kernel for Deconvolution Microscopy: Optimal Transport Geometry. <i>IEEE Transactions on Computational Imaging</i> , 2020 , 6, 1127-1138	4.5	18
100	Unpaired Deep Learning for Accelerated MRI Using Optimal Transport Driven CycleGAN. <i>IEEE Transactions on Computational Imaging</i> , 2020 , 6, 1285-1296	4.5	17
99	Fully iterative scatter corrected digital breast tomosynthesis using GPU-based fast Monte Carlo simulation and composition ratio update. <i>Medical Physics</i> , 2015 , 42, 5342-55	4.4	15
98	Assessing the importance of magnetic resonance contrasts using collaborative generative adversarial networks. <i>Nature Machine Intelligence</i> , 2020 , 2, 34-42	22.5	15
97	Cramér-Rao bounds for parametric shape estimation in inverse problems. <i>IEEE Transactions on Image Processing</i> , 2003 , 12, 71-84	8.7	15
96	Joint sparsity-driven non-iterative simultaneous reconstruction of absorption and scattering in diffuse optical tomography. <i>Optics Express</i> , 2013 , 21, 26589-604	3.3	14

95	Compressed Sensing Shape Estimation of Star-Shaped Objects in Fourier Imaging. <i>IEEE Signal Processing Letters</i> , 2007 , 14, 750-753	3.2	13
94	AIM 2020 Challenge on Learned Image Signal Processing Pipeline. <i>Lecture Notes in Computer Science</i> , 2020 , 152-170	0.9	13
93	Optimal Transport Driven CycleGAN for Unsupervised Learning in Inverse Problems. <i>SIAM Journal on Imaging Sciences</i> , 2020 , 13, 2281-2306	1.9	13
92	Unsupervised Denoising for Satellite Imagery Using Wavelet Directional CycleGAN. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 6823-6839	8.1	13
91	AdaIN-Based Tunable CycleGAN for Efficient Unsupervised Low-Dose CT Denoising. <i>IEEE Transactions on Computational Imaging</i> , 2021 , 7, 73-85	4.5	13
90	Metal artifact reduction in CT by identifying missing data hidden in metals. <i>Journal of X-Ray Science and Technology</i> , 2013 , 21, 357-72	2.1	12
89	Sparsity driven metal part reconstruction for artifact removal in dental CT. <i>Journal of X-Ray Science and Technology</i> , 2011 , 19, 457-75	2.1	12
88	Whole-brain perfusion imaging with balanced steady-state free precession arterial spin labeling. <i>NMR in Biomedicine</i> , 2016 , 29, 264-74	4.4	12
87	Asymptotic global confidence regions for 3-D parametric shape estimation in inverse problems. <i>IEEE Transactions on Image Processing</i> , 2006 , 15, 2904-19	8.7	11
86	Multi-task vision transformer using low-level chest X-ray feature corpus for COVID-19 diagnosis and severity quantification. <i>Medical Image Analysis</i> , 2021 , 75, 102299	15.4	11
85	One network to solve all ROIs: Deep learning CT for any ROI using differentiated backprojection. <i>Medical Physics</i> , 2019 , 46, e855-e872	4.4	11
84	Interior Tomography Using 1D Generalized Total Variation. Part I: Mathematical Foundation. <i>SIAM Journal on Imaging Sciences</i> , 2015 , 8, 226-247	1.9	10
83	Deep Learning-Based Universal Beamformer for Ultrasound Imaging. <i>Lecture Notes in Computer Science</i> , 2019 , 619-627	0.9	10
82	Two-Dimensional Elastic Scattering Coefficients and Enhancement of Nearly Elastic Cloaking. <i>Journal of Elasticity</i> , 2017 , 128, 203-243	1.5	9
81	Improving M-SBL for Joint Sparse Recovery Using a Subspace Penalty. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 6595-6605	4.8	9
80	Accuracy improvement of quantification information using super-resolution with convolutional neural network for microscopy images. <i>Biomedical Signal Processing and Control</i> , 2020 , 58, 101846	4.9	9
79	Computational MRI: Compressive Sensing and Beyond. <i>IEEE Signal Processing Magazine</i> , 2020 , 37, 21-23	9.4	9
78	Geometric Approaches to Increase the Expressivity of Deep Neural Networks for MR Reconstruction. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020 , 14, 1292-1305	7.5	9

77	A novel k-space annihilating filter method for unification between compressed sensing and parallel MRI 2015 ,		9
76	Group sparse dictionary learning and inference for resting-state fMRI analysis of Alzheimer's disease 2013 ,		9
75	Coherent optical computing for T-ray imaging. <i>Optics Letters</i> , 2010 , 35, 508-10	3	9
74	Artificial Intelligence in Health Care: Current Applications and Issues. <i>Journal of Korean Medical Science</i> , 2020 , 35, e379	4.7	9
73	Deep learning STEM-EDX tomography of nanocrystals. <i>Nature Machine Intelligence</i> , 2021 , 3, 267-274	22.5	9
72	Deep Learning for Accelerated Ultrasound Imaging 2018 ,		9
71	k-Space deep learning for reference-free EPI ghost correction. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 2299-2313	4.4	8
70	Asymptotic global confidence regions in parametric shape estimation problems. <i>IEEE Transactions on Information Theory</i> , 2000 , 46, 1881-1895	2.8	8
69	Development of digital breast tomosynthesis and diffuse optical tomography fusion imaging for breast cancer detection. <i>Scientific Reports</i> , 2020 , 10, 13127	4.9	8
68	Variational Formulation of Unsupervised Deep Learning for Ultrasound Image Artifact Removal. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021 , 68, 2086-2100	3.2	8
67	Interior Tomography Using 1D Generalized Total Variation. Part II: Multiscale Implementation. <i>SIAM Journal on Imaging Sciences</i> , 2015 , 8, 2452-2486	1.9	7
66	Compressed sensing pulse-echo mode terahertz reflectance tomography. <i>Optics Letters</i> , 2009 , 34, 3863-5		7
65	Single channel blind image deconvolution from radially symmetric blur kernels. <i>Optics Express</i> , 2007 , 15, 3791-803	3.3	7
64	Blind Deconvolution Microscopy Using Cycle Consistent CNN with Explicit PSF Layer. <i>Lecture Notes in Computer Science</i> , 2019 , 173-180	0.9	7
63	Unpaired Training of Deep Learning tMRA for Flexible Spatio-Temporal Resolution. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 166-179	11.7	7
62	A Mathematical Framework for Deep Learning in Elastic Source Imaging. <i>SIAM Journal on Applied Mathematics</i> , 2018 , 78, 2791-2818	1.8	7
61	CycleGAN denoising of extreme low-dose cardiac CT using wavelet-assisted noise disentanglement. <i>Medical Image Analysis</i> , 2021 , 74, 102209	15.4	7
60	A Joint Sparse Recovery Framework for Accurate Reconstruction of Inclusions in Elastic Media. <i>SIAM Journal on Imaging Sciences</i> , 2017 , 10, 1104-1138	1.9	6

59	DeepRegularizer: Rapid Resolution Enhancement of Tomographic Imaging Using Deep Learning. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 1508-1518	11.7	6
58	Sampling scheme optimization for diffuse optical tomography based on data and image space rankings. <i>Journal of Biomedical Optics</i> , 2016 , 21, 106004	3.5	6
57	Unsupervised CT Metal Artifact Learning Using Attention-Guided CycleGAN. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3932-3944	11.7	6
56	Translational motion correction algorithm for truncated cone-beam CT using opposite projections. <i>Journal of X-Ray Science and Technology</i> , 2017 , 25, 927-944	2.1	5
55	Sparse-view X-ray spectral CT reconstruction using annihilating filter-based low rank hankel matrix approach 2016 ,		5
54	Compressive dynamic aperture B-mode ultrasound imaging using annihilating filter-based low-rank interpolation 2016 ,		5
53	A unified statistical framework for material decomposition using multienergy photon counting x-ray detectors. <i>Medical Physics</i> , 2013 , 40, 091913	4.4	5
52	Compressive MUSIC with optimized partial support for joint sparse recovery 2011 ,		5
51	Dynamic sparse support tracking with multiple measurement vectors using compressive MUSIC 2012 ,		5
50	PyNET-CA: Enhanced PyNET with Channel Attention for End-to-End Mobile Image Signal Processing. <i>Lecture Notes in Computer Science</i> , 2020 , 202-212	0.9	5
49	Unpaired MR Motion Artifact Deep Learning Using Outlier-Rejecting Bootstrap Aggregation. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3125-3139	11.7	5
48	Unsupervised Deep Learning Methods for Biological Image Reconstruction and Enhancement: An overview from a signal processing perspective. <i>IEEE Signal Processing Magazine</i> , 2022 , 39, 28-44	9.4	5
47	A Unified Sparse Recovery and Inference Framework for Functional Diffuse Optical Tomography Using Random Effect Model. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 1602-1615	11.7	4
46	Topological sensitivity based far-field detection of elastic inclusions. <i>Results in Physics</i> , 2018 , 8, 442-460	3.7	4
45	Fast live cell imaging at nanometer scale using annihilating filter-based low-rank Hankel matrix approach 2015 ,		4
44	Cycle-Free CycleGAN Using Invertible Generator for Unsupervised Low-Dose CT Denoising. <i>IEEE Transactions on Computational Imaging</i> , 2021 , 1-1	4.5	4
43	Quantitative susceptibility map reconstruction using annihilating filter-based low-rank Hankel matrix approach. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 858-871	4.4	4
42	Universal Plane-Wave Compounding for High Quality US Imaging Using Deep Learning 2019 ,		4

41	Two-stage deep learning for accelerated 3D time-of-flight MRA without matched training data. <i>Medical Image Analysis</i> , 2021 , 71, 102047	15.4	4
40	Optical Coherence Tomography of Plaque Erosion: JACC Focus Seminar Part 2/3. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 1266-1274	15.1	4
39	Score-based diffusion models for accelerated MRI. <i>Medical Image Analysis</i> , 2022 , 102479	15.4	4
38	Patch based low rank structured matrix completion for accelerated scanning microscopy 2015 ,		3
37	Optimal Transport Structure of CycleGAN for Unsupervised Learning for Inverse Problems 2020 ,		3
36	Grid-Free Localization Algorithm Using Low-rank Hankel Matrix for Super-Resolution Microscopy. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	3
35	Compressed Sensing for fMRI: Feasibility Study on the Acceleration of Non-EPI fMRI at 9.4T. <i>BioMed Research International</i> , 2015 , 2015, 131926	3	3
34	Improving the Reliability of Pharmacokinetic Parameters at Dynamic Contrast-enhanced MRI in Astrocytomas: A Deep Learning Approach. <i>Radiology</i> , 2020 , 297, 178-188	20.5	3
33	Differentiated Backprojection Domain Deep Learning for Conebeam Artifact Removal. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 3571-3582	11.7	2
32	Unified Theory for Recovery of Sparse Signals in a General Transform Domain. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 5457-5477	2.8	2
31	Corrections to "Compressive MUSIC: Revisiting the Link Between Compressive Sensing and Array Signal Processing"[Jan 12 278-301]. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 6148-6149	2.8	2
30	A sparse Bayesian learning for highly accelerated dynamic MRI 2010 ,		2
29	Performance evaluation of accelerated functional MRI acquisition using compressed sensing 2009 ,		2
28	Terahertz substance imaging by waveform shaping. <i>Optics Express</i> , 2012 , 20, 20783-9	3.3	2
27	Source localization approach for functional DOT using MUSIC and FDR control. <i>Optics Express</i> , 2012 , 20, 6267-85	3.3	2
26	Reference-free EPI Nyquist ghost correction using annihilating filter-based low rank hankel matrix for K-space interpolation 2016 ,		2
25	Sparse and low-rank decomposition of MR artifact images using annihilating filter-based Hankel matrix 2016 ,		2
24	Continuous Conversion of CT Kernel Using Switchable CycleGAN With AdaIN. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3015-3029	11.7	2

23	Improved temporal resolution of twist imaging using annihilating filter-based low rank Hankel matrix approach 2016 ,		1
22	Diffuse optical tomography using generalized music algorithm 2011 ,		1
21	Compressed sensing metal artifact removal in dental CT 2009 ,		1
20	Unsupervised Deconvolution Neural Network for High Quality Ultrasound Imaging 2020 ,		1
19	DeepPhaseCut: Deep Relaxation in Phase for Unsupervised Fourier Phase Retrieval.. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	1
18	Reusability report: Feature disentanglement in generating a three-dimensional structure from a two-dimensional slice with sliceGAN. <i>Nature Machine Intelligence</i> , 2021 , 3, 861-863	22.5	1
17	Deep learning-based denoising algorithm in comparison to iterative reconstruction and filtered back projection: a 12-reader phantom study. <i>European Radiology</i> , 2021 , 31, 8755-8764	8	1
16	Unsupervised Deep Learning For Accelerated High Quality Echocardiography 2021 ,		1
15	2021 ,		1
14	Framelet denoising for low-dose CT using deep learning 2018 ,		1
13	Deep learning model for diagnosing gastric mucosal lesions using endoscopic images: development, validation, and method comparison. <i>Gastrointestinal Endoscopy</i> , 2021 ,	5.2	1
12	Switchable and Tunable Deep Beamformer using Adaptive Instance Normalization for Medical Ultrasound. <i>IEEE Transactions on Medical Imaging</i> , 2021 , PP,	11.7	1
11	Missing Cone Artifact Removal in ODT Using Unsupervised Deep Learning in the Projection Domain. <i>IEEE Transactions on Computational Imaging</i> , 2021 , 7, 747-758	4.5	0
10	Deep Learning in Biological Image and Signal Processing [From the Guest Editors]. <i>IEEE Signal Processing Magazine</i> , 2022 , 39, 24-26	9.4	0
9	Unsupervised Resolution-Agnostic Quantitative Susceptibility Mapping using Adaptive Instance Normalization. <i>Medical Image Analysis</i> , 2022 , 102477	15.4	0
8	Convolutional Neural Networks. <i>Mathematics in Industry</i> , 2022 , 113-134	0.2	
7	Geometry of Deep Neural Networks. <i>Mathematics in Industry</i> , 2022 , 195-226	0.2	
6	Generative Models and Unsupervised Learning. <i>Mathematics in Industry</i> , 2022 , 267-313	0.2	

5 Mathematical Foundations of AIM **2021**, 1-18

4 High Resolution Time Resolved Contrast Enhanced MR Angiography Using k-t FOCUSS. *Journal of the Korean Society of Magnetic Resonance in Medicine*, **2010**, 14, 10

3 Improved Time-Resolved MRA Using k-Space Deep Learning. *Lecture Notes in Computer Science*, **2018**, 47-54 0.9

2 Contrast and Resolution Improvement of POCUS Using Self-consistent CycleGAN. *Lecture Notes in Computer Science*, **2021**, 158-167 0.9

1 Mathematical Foundations of AIM **2022**, 37-54