

Xiaofeng Yang

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.

232
papers

3,077
citations

28
h-index

42
g-index

297
ext. papers

4,509
ext. citations

3.4
avg, IF

5.8
L-index

#	Paper	IF	Citations
232	Machine learning for tracking planned versus delivered dose in pancreas SBRT.. <i>Journal of Clinical Oncology</i> , 2022 , 40, 561-561	2.2	
231	Onboard cone-beam CT-based replan evaluation for head and neck proton therapy.. <i>Journal of Applied Clinical Medical Physics</i> , 2022 , e13550	2.3	0
230	Dosimetric Uncertainties in Dominant Intraprostatic Lesion Simultaneous Boost Using Intensity Modulated Proton Therapy. <i>Advances in Radiation Oncology</i> , 2022 , 7, 100826	3.3	0
229	Learning-based synthetic dual energy CT imaging from single energy CT for stopping power ratio calculation in proton radiation therapy. <i>British Journal of Radiology</i> , 2022 , 95, 20210644	3.4	4
228	Artificial intelligence in imaging of coronary artery disease: current applications and future perspective. <i>Chinese Journal of Academic Radiology</i> , 2022 , 5, 10-19	1	
227	Review of Machine Learning in Lung Ultrasound in COVID-19 Pandemic.. <i>Journal of Imaging</i> , 2022 , 8,	3.1	3
226	Longitudinal Changes in U.S. Parameters of Neurovascular Bundles Suggest Mechanism for Radiation-Induced Erectile Dysfunction.. <i>Advances in Radiation Oncology</i> , 2022 , 7, 100946	3.3	0
225	Generative adversarial networks for medical image synthesis 2022 , 105-128		0
224	Prostate and dominant intraprostatic lesion segmentation on PET/CT using cascaded regional-net. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	1
223	Synthetic CT-aided multiorgan segmentation for CBCT-guided adaptive pancreatic radiotherapy. <i>Medical Physics</i> , 2021 , 48, 7063-7073	4.4	0
222	Deep learning-based motion tracking using ultrasound images. <i>Medical Physics</i> , 2021 , 48, 7747	4.4	2
221	Synthetic dual-energy CT for MRI-only based proton therapy treatment planning using label-GAN. <i>Physics in Medicine and Biology</i> , 2021 , 66, 065014	3.8	6
220	Male pelvic CT multi-organ segmentation using synthetic MRI-aided dual pyramid networks. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	3
219	Echocardiographic image multi-structure segmentation using Cardiac-SegNet. <i>Medical Physics</i> , 2021 , 48, 2426-2437	4.4	4
218	Automatic delineation of cardiac substructures using a region-based fully convolutional network. <i>Medical Physics</i> , 2021 , 48, 2867-2876	4.4	7
217	High-frequency Ultrasound in Clinical Dermatology: a review. <i>Ultrasound Journal</i> , 2021 , 13, 24	4.1	8
216	Male pelvic multi-organ segmentation on transrectal ultrasound using anchor-free mask CNN. <i>Medical Physics</i> , 2021 , 48, 3055-3064	4.4	2

215	A review of deep learning based methods for medical image multi-organ segmentation. <i>Physica Medica</i> , 2021 , 85, 107-122	2.7	15
214	Artificial intelligence in tumor subregion analysis based on medical imaging: A review. <i>Journal of Applied Clinical Medical Physics</i> , 2021 , 22, 10-26	2.3	2
213	Self-supervised learning for accelerated 3D high-resolution ultrasound imaging. <i>Medical Physics</i> , 2021 , 48, 3916-3926	4.4	1
212	Learning-based dose prediction for pancreatic stereotactic body radiation therapy using dual pyramid adversarial network. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	3
211	Knowledge-based radiation treatment planning: A data-driven method survey. <i>Journal of Applied Clinical Medical Physics</i> , 2021 , 22, 16-44	2.3	4
210	Fully automated segmentation of brain tumor from multiparametric MRI using 3D context deep supervised U-Net. <i>Medical Physics</i> , 2021 , 48, 4365-4374	4.4	4
209	Negative Resistance Converter Traction Power System for Reducing Rail Potential and Stray Current in the Urban Rail Transit. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 225-239	7.6	16
208	Biomechanically constrained non-rigid MR-TRUS prostate registration using deep learning based 3D point cloud matching. <i>Medical Image Analysis</i> , 2021 , 67, 101845	15.4	11
207	Deformable MR-CBCT prostate registration using biomechanically constrained deep learning networks. <i>Medical Physics</i> , 2021 , 48, 253-263	4.4	12
206	Dynamic Changes of Brain Networks during Working Memory Tasks in Schizophrenia. <i>Neuroscience</i> , 2021 , 453, 187-205	3.9	1
205	A review on medical imaging synthesis using deep learning and its clinical applications. <i>Journal of Applied Clinical Medical Physics</i> , 2021 , 22, 11-36	2.3	38
204	Automatic quantification of myocardium and pericardial fat from coronary computed tomography angiography: a multicenter study. <i>European Radiology</i> , 2021 , 31, 3826-3836	8	2
203	Breast tumor segmentation in 3D automatic breast ultrasound using Mask scoring R-CNN. <i>Medical Physics</i> , 2021 , 48, 204-214	4.4	16
202	Principal Component Analysis in Projection and Image Domains-Another Form of Spectral Imaging in Photon-Counting CT. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 1074-1083	5	4
201	MRI classification using semantic random forest with auto-context model. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 4753-4766	3.6	
200	Learning-Based Stopping Power Mapping on Dual-Energy CT for Proton Radiation Therapy. <i>International Journal of Particle Therapy</i> , 2021 , 7, 46-60	1.5	1
199	Head-and-neck organs-at-risk auto-delineation using dual pyramid networks for CBCT-guided adaptive radiotherapy. <i>Physics in Medicine and Biology</i> , 2021 , 66, 045021	3.8	8
198	A novel proton counting detector and method for the validation of tissue and implant material maps for Monte Carlo dose calculation. <i>Physics in Medicine and Biology</i> , 2021 , 66, 045003	3.8	2

197	Prostate and tumor segmentation on PET/CT using Dual Mask R-CNN 2021 ,		2
196	High through-plane resolution CT imaging with self-supervised deep learning. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	1
195	RAHC_GAN: A Data Augmentation Method for Tomato Leaf Disease Recognition. <i>Symmetry</i> , 2021 , 13, 1597	2.7	1
194	Artificial Intelligence in Quantitative Ultrasound Imaging: A Survey. <i>Journal of Ultrasound in Medicine</i> , 2021 ,	2.9	1
193	Automated delineation of head and neck organs at risk using synthetic MRI-aided mask scoring regional convolutional neural network. <i>Medical Physics</i> , 2021 , 48, 5862-5873	4.4	3
192	On the Conditioning of Spectral Channelization (Energy Binning) and Its Impact on Multi-Material Decomposition Based Spectral Imaging in Photon-Counting CT. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 2678-2688	5	3
191	Lung tumor segmentation in 4D CT images using motion convolutional neural networks. <i>Medical Physics</i> , 2021 , 48, 7141-7153	4.4	0
190	Catheter position prediction using deep-learning-based multi-atlas registration for high-dose rate prostate brachytherapy. <i>Medical Physics</i> , 2021 , 48, 7261-7270	4.4	0
189	Implementation of a Knowledge-Based Treatment Planning Model for Cardiac-Sparing Lung Radiation Therapy. <i>Advances in Radiation Oncology</i> , 2021 , 6, 100745	3.3	0
188	Numerical analysis of the aerothermodynamic behavior of a Hyperloop in choked flow. <i>Energy</i> , 2021 , 237, 121427	7.9	7
187	Artificial Intelligence in Radiation Therapy. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021 , 1-1	4.2	1
186	. <i>IEEE Transactions on Industry Applications</i> , 2020 , 1-1	4.3	4
185	Automatic multi-catheter detection using deeply supervised convolutional neural network in MRI-guided HDR prostate brachytherapy. <i>Medical Physics</i> , 2020 , 47, 4115-4124	4.4	12
184	Solutions to ramp-hold dynamic oscillation indentation tests for assessing the viscoelasticity of hydrogel by Kelvin-Voigt fractional derivative modeling. <i>Mechanics of Materials</i> , 2020 , 148, 103431	3.3	0
183	Analytical Low-Dose CBCT Reconstruction Using Non-local Total Variation Regularization for Image Guided Radiation Therapy. <i>Frontiers in Oncology</i> , 2020 , 10, 242	5.3	2
182	Automatic segmentation and quantification of epicardial adipose tissue from coronary computed tomography angiography. <i>Physics in Medicine and Biology</i> , 2020 , 65, 095012	3.8	7
181	Multi-needle Localization with Attention U-Net in US-guided HDR Prostate Brachytherapy. <i>Medical Physics</i> , 2020 , 47, 2735-2745	4.4	15
180	CBCT-based synthetic CT generation using deep-attention cycleGAN for pancreatic adaptive radiotherapy. <i>Medical Physics</i> , 2020 , 47, 2472-2483	4.4	36

179	DC Autotransformer-Based Traction Power Supply for Urban Transit Rail Potential and Stray Current Mitigation. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 762-773	7.6	19
178	Deep learning in medical image registration: a review. <i>Physics in Medicine and Biology</i> , 2020 , 65, 20TR01	3.8	102
177	Cone-beam CT-derived relative stopping power map generation via deep learning for proton radiotherapy. <i>Medical Physics</i> , 2020 , 47, 4416-4427	4.4	9
176	4D-CT deformable image registration using multiscale unsupervised deep learning. <i>Physics in Medicine and Biology</i> , 2020 , 65, 085003	3.8	22
175	Multi-Needle Detection in 3D Ultrasound Images Using Unsupervised Order-Graph Regularized Sparse Dictionary Learning. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2302-2315	11.7	13
174	LungRegNet: An unsupervised deformable image registration method for 4D-CT lung. <i>Medical Physics</i> , 2020 , 47, 1763-1774	4.4	29
173	A preliminary study on a multiresolution-level inverse planning approach for Gamma Knife radiosurgery. <i>Medical Physics</i> , 2020 , 47, 1523-1532	4.4	8
172	Label-driven magnetic resonance imaging (MRI)-transrectal ultrasound (TRUS) registration using weakly supervised learning for MRI-guided prostate radiotherapy. <i>Physics in Medicine and Biology</i> , 2020 , 65, 135002	3.8	16
171	Pelvic multi-organ segmentation on cone-beam CT for prostate adaptive radiotherapy. <i>Medical Physics</i> , 2020 , 47, 3415-3422	4.4	16
170	PET attenuation correction (AC) using non-AC PET-based synthetic CT 2020 ,		2
169	Synthetic CT-aided MRI-CT image registration for head and neck radiotherapy 2020 ,		2
168	Deep learning-based breast tumor detection and segmentation in 3D ultrasound image 2020 ,		3
167	Low dose PET imaging with CT-aided cycle-consistent adversarial networks 2020 ,		2
166	Deep attentional GAN-based high-resolution ultrasound imaging 2020 ,		4
165	Optimization of basis material selection and energy binning in three material decomposition for spectral imaging without contrast agents in photon-counting CT 2020 ,		3
164	Organ-at-Risk (OAR) segmentation in head and neck CT using U-RCNN 2020 ,		3
163	Multiparametric MRI-guided high-dose-rate prostate brachytherapy with focal dose boost to dominant intraprostatic lesions 2020 ,		2
162	Automated coronary artery segmentation in Coronary Computed Tomography Angiography (CCTA) using deep learning neural networks 2020 ,		3

161	Breast cancer patient reported outcomes, depression, and objective measures of breast cosmesis.. <i>Journal of Clinical Oncology</i> , 2020 , 38, 569-569	2.2	1
160	Negative Impedance Converter for Reducing Rail Potential in Urban Rail Transit. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 569-577	0.2	
159	Performance Evaluations of DCAT Position for the Floating DCAT System in DC Railways. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 557-567	0.2	1
158	Automatic multi-needle localization in ultrasound images using large margin mask RCNN for ultrasound-guided prostate brachytherapy. <i>Physics in Medicine and Biology</i> , 2020 , 65, 205003	3.8	5
157	Intensity non-uniformity correction in MR imaging using residual cycle generative adversarial network. <i>Physics in Medicine and Biology</i> , 2020 , 65, 215025	3.8	8
156	Deep learning-based real-time volumetric imaging for lung stereotactic body radiation therapy: a proof of concept study. <i>Physics in Medicine and Biology</i> , 2020 , 65, 235003	3.8	5
155	High quality proton portal imaging using deep learning for proton radiation therapy: a phantom study. <i>Biomedical Physics and Engineering Express</i> , 2020 , 6, 035029	1.5	3
154	A planning study of focal dose escalations to multiparametric MRI-defined dominant intraprostatic lesions in prostate proton radiation therapy. <i>British Journal of Radiology</i> , 2020 , 93, 20190845	3.4	7
153	Deep learning-based attenuation correction in the absence of structural information for whole-body positron emission tomography imaging. <i>Physics in Medicine and Biology</i> , 2020 , 65, 055011	3.8	49
152	Male pelvic multi-organ segmentation aided by CBCT-based synthetic MRI. <i>Physics in Medicine and Biology</i> , 2020 , 65, 035013	3.8	32
151	Impact of Regional Nodal Irradiation and Hypofractionated Whole-Breast Radiation on Long-Term Breast Retraction and Poor Cosmetic Outcome in Breast Cancer Survivors. <i>Clinical Breast Cancer</i> , 2020 , 20, e75-e81	3	3
150	Recognizing Image Semantic Information Through Multi-Feature Fusion and SSAE-Based Deep Network. <i>Journal of Medical Systems</i> , 2020 , 44, 46	5.1	4
149	CT prostate segmentation based on synthetic MRI-aided deep attention fully convolution network. <i>Medical Physics</i> , 2020 , 47, 530-540	4.4	34
148	Multimodal MRI synthesis using unified generative adversarial networks. <i>Medical Physics</i> , 2020 , 47, 6343-6354	4.4	14
147	Ultrasound Elastography for Lung Disease Assessment. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 2249-2257	3.2	10
146	A Passive Soft-Switching Snubber With Energy Active Recovery Circuit for PWM Inverters. <i>IEEE Access</i> , 2020 , 8, 100031-100043	3.5	4
145	. <i>IEEE Access</i> , 2020 , 8, 120146-120159	3.5	0
144	Brain tumor segmentation using 3D Mask R-CNN for dynamic susceptibility contrast enhanced perfusion imaging. <i>Physics in Medicine and Biology</i> , 2020 , 65, 185009	3.8	11

143	Automated left ventricular myocardium segmentation using 3D deeply supervised attention U-net for coronary computed tomography angiography; CT myocardium segmentation. <i>Medical Physics</i> , 2020 , 47, 1775-1785	4.4	11
142	Head and neck multi-organ auto-segmentation on CT images aided by synthetic MRI. <i>Medical Physics</i> , 2020 , 47, 4294-4302	4.4	10
141	CT-based multi-organ segmentation using a 3D self-attention U-net network for pancreatic radiotherapy. <i>Medical Physics</i> , 2020 , 47, 4316-4324	4.4	16
140	Machine learning in quantitative PET: A review of attenuation correction and low-count image reconstruction methods. <i>Physica Medica</i> , 2020 , 76, 294-306	2.7	26
139	A learning-based automatic segmentation and quantification method on left ventricle in gated myocardial perfusion SPECT imaging: A feasibility study. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 976-987 ^{2.1}		46
138	Strain elastography as an early predictor of long-term prognosis in patients with locally advanced cervical cancers treated with concurrent chemoradiotherapy. <i>European Radiology</i> , 2020 , 30, 471-481	8	5
137	Radiomics analysis using contrast-enhanced CT for preoperative prediction of occult peritoneal metastasis in advanced gastric cancer. <i>European Radiology</i> , 2020 , 30, 239-246	8	26
136	Thyroid gland delineation in noncontrast-enhanced CT using deep convolutional neural networks. <i>Physics in Medicine and Biology</i> , 2020 ,	3.8	1
135	Evaluation of a deep learning-based pelvic synthetic CT generation technique for MRI-based prostate proton treatment planning. <i>Physics in Medicine and Biology</i> , 2019 , 64, 205022	3.8	23
134	Synthetic CT generation from non-attenuation corrected PET images for whole-body PET imaging. <i>Physics in Medicine and Biology</i> , 2019 , 64, 215016	3.8	34
133	Optimal virtual monoenergetic image in "TwinBeam" dual-energy CT for organs-at-risk delineation based on contrast-noise-ratio in head-and-neck radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2019 , 20, 121-128	2.3	15
132	MRI-only based synthetic CT generation using dense cycle consistent generative adversarial networks. <i>Medical Physics</i> , 2019 , 46, 3565-3581	4.4	95
131	Paired cycle-GAN-based image correction for quantitative cone-beam computed tomography. <i>Medical Physics</i> , 2019 , 46, 3998-4009	4.4	74
130	Revealing hemodynamic heterogeneity of gliomas based on signal profile features of dynamic susceptibility contrast-enhanced MRI. <i>NeuroImage: Clinical</i> , 2019 , 23, 101864	5.3	5
129	MRI-based treatment planning for proton radiotherapy: dosimetric validation of a deep learning-based liver synthetic CT generation method. <i>Physics in Medicine and Biology</i> , 2019 , 64, 145015	3.8	37
128	Learning-based automatic segmentation of arteriovenous malformations on contrast CT images in brain stereotactic radiosurgery. <i>Medical Physics</i> , 2019 , 46, 3133-3141	4.4	23
127	Ultrasound prostate segmentation based on multidirectional deeply supervised V-Net. <i>Medical Physics</i> , 2019 , 46, 3194-3206	4.4	52
126	Dosimetric study on learning-based cone-beam CT correction in adaptive radiation therapy. <i>Medical Dosimetry</i> , 2019 , 44, e71-e79	1.3	15

125	Dose evaluation of MRI-based synthetic CT generated using a machine learning method for prostate cancer radiotherapy. <i>Medical Dosimetry</i> , 2019 , 44, e64-e70	1.3	21
124	MRI-based synthetic CT generation using semantic random forest with iterative refinement. <i>Physics in Medicine and Biology</i> , 2019 , 64, 085001	3.8	19
123	Multiparametric MRI-guided dose boost to dominant intraprostatic lesions in CT-based High-dose-rate prostate brachytherapy. <i>British Journal of Radiology</i> , 2019 , 92, 20190089	3.4	13
122	Deeply supervised 3D fully convolutional networks with group dilated convolution for automatic MRI prostate segmentation. <i>Medical Physics</i> , 2019 , 46, 1707-1718	4.4	90
121	Automatic multiorgan segmentation in thorax CT images using U-net-GAN. <i>Medical Physics</i> , 2019 , 46, 2157-2168	4.4	128
120	MRI-based treatment planning for brain stereotactic radiosurgery: Dosimetric validation of a learning-based pseudo-CT generation method. <i>Medical Dosimetry</i> , 2019 , 44, 199-204	1.3	34
119	Virtual Impedance Sliding Mode Control-Based MMC Circulating Current Suppressing Strategy. <i>IEEE Access</i> , 2019 , 7, 26229-26240	3.5	7
118	MRI-based treatment planning for liver stereotactic body radiotherapy: validation of a deep learning-based synthetic CT generation method. <i>British Journal of Radiology</i> , 2019 , 92, 20190067	3.4	31
117	Machine-learning based classification of glioblastoma using delta-radiomic features derived from dynamic susceptibility contrast enhanced magnetic resonance images: Introduction. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 1201-1213	3.6	18
116	Deep morphology aided diagnosis network for segmentation of carotid artery vessel wall and diagnosis of carotid atherosclerosis on black-blood vessel wall MRI. <i>Medical Physics</i> , 2019 , 46, 5544-5561	4.4	14
115	Machine Learning Assisted MRI Characterization for Diagnosis of Neonatal Acute Bilirubin Encephalopathy. <i>Frontiers in Neurology</i> , 2019 , 10, 1018	4.1	10
114	Whole-body PET estimation from low count statistics using cycle-consistent generative adversarial networks. <i>Physics in Medicine and Biology</i> , 2019 , 64, 215017	3.8	35
113	Full axillary lymph node dissection and increased breast epidermal thickness 1 year after radiation therapy for breast cancer. <i>Journal of Surgical Oncology</i> , 2019 , 120, 1397-1403	2.8	0
112	Synthetic MRI-aided multi-organ segmentation on male pelvic CT using cycle consistent deep attention network. <i>Radiotherapy and Oncology</i> , 2019 , 141, 192-199	5.3	55
111	Deep learning-based image quality improvement for low-dose computed tomography simulation in radiation therapy. <i>Journal of Medical Imaging</i> , 2019 , 6, 043504	2.6	12
110	Image quality improvement in cone-beam CT using deep learning 2019 ,		5
109	Automated prostate segmentation of volumetric CT images using 3D deeply supervised dilated FCN 2019 ,		9
108	MRI-based synthetic CT generation using deep convolutional neural network 2019 ,		4

107	Automatic MRI prostate segmentation using 3D deeply supervised FCN with concatenated atrous convolution 2019 ,		4
106	Learning-based automatic segmentation on arteriovenous malformations from contrast-enhanced CT images 2019 ,		1
105	Ultrasound prostate segmentation based on 3D V-Net with deep supervision 2019 ,		5
104	Machine-learning-based classification of Glioblastoma using MRI-based radiomic features 2019 ,		1
103	MRI-Based Proton Treatment Planning for Base of Skull Tumors. <i>International Journal of Particle Therapy</i> , 2019 , 6, 12-25	1.5	11
102	CBCT-Based Synthetic MRI Generation for CBCT-Guided Adaptive Radiotherapy. <i>Lecture Notes in Computer Science</i> , 2019 , 154-161	0.9	2
101	4D-CT Deformable Image Registration Using an Unsupervised Deep Convolutional Neural Network. <i>Lecture Notes in Computer Science</i> , 2019 , 26-33	0.9	7
100	Analysis and Control of Improved MMC With Symmetrical Super Capacitor Energy Storage System in EER Application 2019 ,		2
99	Operation and Control of a Seven-Level V-Clamp Multilevel Converter. <i>Energies</i> , 2019 , 12, 4761	3.1	3
98	Backflow Power Optimization of DAB with Gradient Descent Algorithm Based Extended-Phase-Shift Control in EER Application 2019 ,		1
97	Improved Modular Multilevel Converter with Symmetrical Integrated Super Capacitor Energy Storage System for Electrical Energy Router Application 2019 ,		1
96	Analysis of Hybrid SiC IGBT Based Resonant Switched Capacitor Converter with Circuit Parasitics Consideration 2019 ,		1
95	Learning-based CBCT correction using alternating random forest based on auto-context model. <i>Medical Physics</i> , 2019 , 46, 601-618	4.4	25
94	MRI-based attenuation correction for brain PET/MRI based on anatomic signature and machine learning. <i>Physics in Medicine and Biology</i> , 2019 , 64, 025001	3.8	23
93	Surface Chemical Effects on Hypersonic Nonequilibrium Aeroheating in Dissociated Carbon-Dioxide Mixture. <i>Journal of Spacecraft and Rockets</i> , 2018 , 55, 687-697	1.5	5
92	Surface thermochemical effects on TPS-coupled aerothermodynamics in hypersonic Martian gas flow. <i>Acta Astronautica</i> , 2018 , 147, 445-453	2.9	10
91	Ultrasonic histogram assessment of early response to concurrent chemo-radiotherapy in patients with locally advanced cervical cancer: a feasibility study. <i>Clinical Imaging</i> , 2018 , 49, 144-149	2.7	5
90	Early evaluation of radiation-induced parotid damage with diffusion kurtosis imaging: a preliminary study. <i>Acta Radiologica</i> , 2018 , 59, 212-220	2	3

89	An enhanced reverse blocking MMC with DC fault handling capability for HVDC applications. <i>Electric Power Systems Research</i> , 2018 , 163, 706-714	3.5	16
88	Texture Analysis as Imaging Biomarker for recurrence in advanced cervical cancer treated with CCRT. <i>Scientific Reports</i> , 2018 , 8, 11399	4.9	24
87	Early evaluation of radiation-induced parotid damage in patients with nasopharyngeal carcinoma by T2 mapping and mDIXON Quant imaging: initial findings. <i>Radiation Oncology</i> , 2018 , 13, 22	4.2	11
86	Magnetic resonance imaging-based pseudo computed tomography using anatomic signature and joint dictionary learning. <i>Journal of Medical Imaging</i> , 2018 , 5, 034001	2.6	15
85	MRI-based pseudo CT synthesis using anatomical signature and alternating random forest with iterative refinement model. <i>Journal of Medical Imaging</i> , 2018 , 5, 043504	2.6	18
84	Automated delineation of organs-at-risk in head and neck CT images using multi-output support vector regression 2018 ,		13
83	Improving Image Quality of Cone-Beam CT Using Alternating Regression Forest. <i>Proceedings of SPIE</i> , 2018 , 10573,	1.7	6
82	High-resolution CT Image Retrieval Using Sparse Convolutional Neural Network. <i>Proceedings of SPIE</i> , 2018 , 10573,	1.7	2
81	A Denoising Algorithm for CT Image Using Low-rank Sparse Coding. <i>Proceedings of SPIE</i> , 2018 , 10574,	1.7	3
80	Pseudo CT Estimation using Patch-based Joint Dictionary Learning. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 5150-5153	0.9	6
79	Comprehensive understanding of DC pole-to-pole fault and its protection for modular multilevel converters. <i>High Voltage</i> , 2018 , 3, 246-254	4.1	7
78	High-resolution, ultrasound-guided, high-dose-rate, surface brachytherapy for basal cell carcinoma of the skin: A case report. <i>Advances in Radiation Oncology</i> , 2018 , 3, 591-594	3.3	
77	Content-oriented sparse representation (COSR) for CT denoising with preservation of texture and edge. <i>Medical Physics</i> , 2018 , 45, 4942-4954	4.4	4
76	Three-dimensional power Doppler ultrasound in the early assessment of response to concurrent chemo-radiotherapy for advanced cervical cancer. <i>Acta Radiologica</i> , 2017 , 58, 1147-1154	2	3
75	Histogram analysis of apparent diffusion coefficient for monitoring early response in patients with advanced cervical cancers undergoing concurrent chemo-radiotherapy. <i>Acta Radiologica</i> , 2017 , 58, 1400-1408	2	13
74	A Patch-based CBCT Scatter Artifact Correction Using Prior CT. <i>Proceedings of SPIE</i> , 2017 , 10132,	1.7	4
73	Image-based Metal Artifact Reduction in X-ray Computed Tomography utilizing Local Anatomical Similarity. <i>Proceedings of SPIE</i> , 2017 , 10132,	1.7	1
72	Pseudo CT Estimation from MRI Using Patch-based Random Forest. <i>Proceedings of SPIE</i> , 2017 , 10133,	1.7	18

71	Predicting and Early Monitoring Treatment Efficiency of Cervical Cancer Under Concurrent Chemoradiotherapy by Intravoxel Incoherent Motion Magnetic Resonance Imaging. <i>Journal of Computer Assisted Tomography</i> , 2017 , 41, 422-429	2.2	12
70	Early Changes of Irradiated Parotid Glands Evaluated by T1rho-Weighted Imaging: A Pilot Study. <i>Journal of Computer Assisted Tomography</i> , 2017 , 41, 472-476	2.2	7
69	Ultrasound 2D strain measurement for arm lymphedema using deformable registration: A feasibility study. <i>PLoS ONE</i> , 2017 , 12, e0181250	3.7	3
68	Predictive and prognostic value of intravoxel incoherent motion (IVIM) MR imaging in patients with advanced cervical cancers undergoing concurrent chemo-radiotherapy. <i>Scientific Reports</i> , 2017 , 7, 11635	4.9	20
67	Novel modular multilevel converter against DC faults for HVDC applications. <i>CSEE Journal of Power and Energy Systems</i> , 2017 , 3, 140-149	2.3	8
66	Strain elastography imaging for early detection and prediction of tumor response to concurrent chemo-radiotherapy in locally advanced cervical cancer: feasibility study. <i>BMC Cancer</i> , 2017 , 17, 427	4.8	6
65	Reverse-blocking modular multilevel converter for battery energy storage systems. <i>Journal of Modern Power Systems and Clean Energy</i> , 2017 , 5, 652-662	4	6
64	Assessment of histological differentiation in gastric cancers using whole-volume histogram analysis of apparent diffusion coefficient maps. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 45, 440-449	5.6	29
63	Super Capacitor Energy Storage Based MMC for Energy Harvesting in Mine Hoist Application. <i>Energies</i> , 2017 , 10, 1428	3.1	7
62	Apparent diffusion coefficient histogram analysis can evaluate radiation-induced parotid damage and predict late xerostomia degree in nasopharyngeal carcinoma. <i>Oncotarget</i> , 2017 , 8, 70226-70238	3.3	6
61	Whole-lesion ADC histogram and texture analysis in predicting recurrence of cervical cancer treated with CCRT. <i>Oncotarget</i> , 2017 , 8, 92442-92453	3.3	18
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