

# Lei Xing

## List of Publications by Year in descending order

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416  
papers

17,793  
citations

13087

68  
h-index

22147

113  
g-index

425  
all docs

425  
docs citations

425  
times ranked

14152  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidance document on delivery, treatment planning, and clinical implementation of IMRT: Report of the IMRT subcommittee of the AAPM radiation therapy committee. <i>Medical Physics</i> , 2003, 30, 2089-2115.	1.6	693
2	Stereotactic Body Radiation Therapy in Multiple Organ Sites. <i>Journal of Clinical Oncology</i> , 2007, 25, 947-952.	0.8	401
3	Segmentation of organs at risks in head and neck CT images using convolutional neural networks. <i>Medical Physics</i> , 2017, 44, 547-557.	1.6	398
4	Overview of image-guided radiation therapy. <i>Medical Dosimetry</i> , 2006, 31, 91-112.	0.4	380
5	Deep Generative Adversarial Neural Networks for Compressive Sensing MRI. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 167-179.	5.4	373
6	Transferring Biomarker into Molecular Probe: Melanin Nanoparticle as a Naturally Active Platform for Multimodality Imaging. <i>Journal of the American Chemical Society</i> , 2014, 136, 15185-15194.	6.6	338
7	Evaluation of on-board kV cone beam CT (CBCT)-based dose calculation. <i>Physics in Medicine and Biology</i> , 2007, 52, 685-705.	1.6	270
8	Novel benzo-bis(1,2,5-thiadiazole) fluorophores for in vivo NIR-II imaging of cancer. <i>Chemical Science</i> , 2016, 7, 6203-6207.	3.7	263
9	Modified U-Net (mU-Net) With Incorporation of Object-Dependent High Level Features for Improved Liver and Liver-Tumor Segmentation in CT Images. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 1316-1325.	5.4	252
10	GPU computing in medical physics: A review. <i>Medical Physics</i> , 2011, 38, 2685-2697.	1.6	245
11	Transformation-Consistent Self-Ensembling Model for Semisupervised Medical Image Segmentation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 523-534.	7.2	240
12	Effective anti-thrombotic therapy without stenting: intravascular optical coherence tomography-based management in plaque erosion (the EROSION study). <i>European Heart Journal</i> , 2017, 38, ehw381.	1.0	214
13	Compressed sensing based cone-beam computed tomography reconstruction with a first-order	1.6	212
14	Implementing IMRT in clinical practice: a joint document of the American Society for Therapeutic Radiology and Oncology and the American Association of Physicists in Medicine. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 58, 1616-1634.	0.4	211
15	Synergistic Assembly of Heavy Metal Clusters and Luminescent Organic Bridging Ligands in Metal-Organic Frameworks for Highly Efficient X-ray Scintillation. <i>Journal of the American Chemical Society</i> , 2014, 136, 6171-6174.	6.6	198
16	Nonculprit Plaques in Patients With Acute Coronary Syndromes Have More Vulnerable Features Compared With Those With Non-Acute Coronary Syndromes. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 433-440.	1.3	188
17	Model-based image reconstruction for four-dimensional PET. <i>Medical Physics</i> , 2006, 33, 1288-1298.	1.6	187
18	Intrafractional Motion of the Prostate During Hypofractionated Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 236-246.	0.4	184

#	ARTICLE	IF	CITATIONS
19	Distinct Morphological Features of Ruptured Culprit Plaque for Acute Coronary Events Compared to Those With Silent Rupture and Thin-Cap Fibroatheroma. <i>Journal of the American College of Cardiology</i> , 2014, 63, 2209-2216.	1.2	179
20	Four-dimensional cone-beam computed tomography using an on-board imager. <i>Medical Physics</i> , 2006, 33, 3825-3833.	1.6	176
21	Fully automated quantitative cephalometry using convolutional neural networks. <i>Journal of Medical Imaging</i> , 2017, 4, 014501.	0.8	168
22	Patient-specific reconstruction of volumetric computed tomography images from a single projection view via deep learning. <i>Nature Biomedical Engineering</i> , 2019, 3, 880-888.	11.6	163
23	Iterative image reconstruction for CBCT using edge-preserving prior. <i>Medical Physics</i> , 2009, 36, 252-260.	1.6	162
24	Scatter correction for cone-beam CT in radiation therapy. <i>Medical Physics</i> , 2009, 36, 2258-2268.	1.6	161
25	Machine learning techniques for biomedical image segmentation: An overview of technical aspects and introduction to state-of-art applications. <i>Medical Physics</i> , 2020, 47, e148-e167.	1.6	151
26	X-Ray Luminescence Computed Tomography via Selective Excitation: A Feasibility Study. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1992-1999.	5.4	148
27	Predictors for Neoatherosclerosis. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 660-666.	1.3	143
28	Clinical Significance of Lipid-Rich Plaque Detected by Optical Coherence Tomography. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2502-2513.	1.2	142
29	Synthesis, Characterization, and Biomedical Applications of a Targeted Dual-Modal Near-Infrared-II Fluorescence and Photoacoustic Imaging Nanoprobe. <i>ACS Nano</i> , 2017, 11, 12276-12291.	7.3	137
30	Role of beam orientation optimization in intensity-modulated radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 50, 551-560.	0.4	133
31	Objective assessment of deformable image registration in radiotherapy: A multi-institution study. <i>Medical Physics</i> , 2008, 35, 5944-5953.	1.6	132
32	Metal artifact reduction in x-ray computed tomography (CT) by constrained optimization. <i>Medical Physics</i> , 2011, 38, 701-711.	1.6	130
33	Tomographic molecular imaging of x-ray-excitable nanoparticles. <i>Optics Letters</i> , 2010, 35, 3345.	1.7	129
34	Synthesis and Radioluminescence of PEGylated Eu <sup>3+</sup> -Doped Nanophosphors as Bioimaging Probes. <i>Advanced Materials</i> , 2011, 23, H195-9.	11.1	121
35	PHD Inhibition Mitigates and Protects Against Radiation-Induced Gastrointestinal Toxicity via HIF2. <i>Science Translational Medicine</i> , 2014, 6, 236ra64.	5.8	120
36	X-ray-Induced Shortwave Infrared Biomedical Imaging Using Rare-Earth Nanoprobes. <i>Nano Letters</i> , 2015, 15, 96-102.	4.5	120

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37	Augmented Bladder Tumor Detection Using Deep Learning. <i>European Urology</i> , 2019, 76, 714-718.	0.9	117
38	Incorporating prior knowledge into beam orientation optimization in IMRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 54, 1565-1574.	0.4	113
39	EROSION Study (Effective Anti-Thrombotic Therapy Without Stenting: Intravascular Optical Coherence) <i>Tj ETQq1 1 0.784314 rgBT /O</i> 10, .	1.4	113
40	Dosimetric verification of a commercial inverse treatment planning system. <i>Physics in Medicine and Biology</i> , 1999, 44, 463-478.	1.6	111
41	Intraoperative Imaging of Tumors Using Cerenkov Luminescence Endoscopy: A Feasibility Experimental Study. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1579-1584.	2.8	111
42	A radiomics approach based on support vector machine using MR images for preoperative lymph node status evaluation in intrahepatic cholangiocarcinoma. <i>Theranostics</i> , 2019, 9, 5374-5385.	4.6	108
43	Enhanced 4D cone-beam CT with interphase motion model. <i>Medical Physics</i> , 2007, 34, 3688-3695.	1.6	105
44	Noise suppression in scatter correction for cone-beam CT. <i>Medical Physics</i> , 2009, 36, 741-752.	1.6	104
45	Development of deep neural network for individualized hepatobiliary toxicity prediction after liver SBRT. <i>Medical Physics</i> , 2018, 45, 4763-4774.	1.6	103
46	Synergistically Enhancing the Therapeutic Effect of Radiation Therapy with Radiation Activatable and Reactive Oxygen Species-Releasing Nanostructures. <i>ACS Nano</i> , 2018, 12, 4946-4958.	7.3	101
47	Retrospective IMRT Dose Reconstruction Based on Cone-Beam CT and MLC Log-File. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 634-644.	0.4	99
48	Segment-based dose optimization using a genetic algorithm. <i>Physics in Medicine and Biology</i> , 2003, 48, 2987-2998.	1.6	98
49	Predicting respiratory tumor motion with multi-dimensional adaptive filters and support vector regression. <i>Physics in Medicine and Biology</i> , 2009, 54, 5735-5748.	1.6	98
50	Prostate cancer classification with multiparametric MRI transfer learning model. <i>Medical Physics</i> , 2019, 46, 756-765.	1.6	98
51	Optimizing 4D cone-beam CT acquisition protocol for external beam radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 67, 1211-1219.	0.4	97
52	Strained Cyclooctyne as a Molecular Platform for Construction of Multimodal Imaging Probes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5981-5984.	7.2	97
53	Inverse planning incorporating organ motion. <i>Medical Physics</i> , 2000, 27, 1573-1578.	1.6	96
54	Pseudo beam's-eye view as applied to beam orientation selection in intensity-modulated radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 51, 1361-1370.	0.4	94

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55	Iterative methods for inverse treatment planning. <i>Physics in Medicine and Biology</i> , 1996, 41, 2107-2123.	1.6	92
56	Multiobjective evolutionary optimization of the number of beams, their orientations and weights for intensity-modulated radiation therapy. <i>Physics in Medicine and Biology</i> , 2004, 49, 747-770.	1.6	90
57	American Society for Therapeutic Radiology and Oncology (ASTRO) and American College of Radiology (ACR) Practice Guidelines for Image-Guided Radiation Therapy (IGRT). <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 319-325.	0.4	90
58	Prognostic Imaging Biomarkers in Glioblastoma: Development and Independent Validation on the Basis of Multiregion and Quantitative Analysis of MR Images. <i>Radiology</i> , 2016, 278, 546-553.	3.6	90
59	Image interpolation in 4D CT using a BSpline deformable registration model. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 64, 1537-1550.	0.4	89
60	Formulating adaptive radiation therapy (ART) treatment planning into a closed-loop control framework. <i>Physics in Medicine and Biology</i> , 2007, 52, 4137-4153.	1.6	85
61	Dose reduction for kilovoltage cone-beam computed tomography in radiation therapy. <i>Physics in Medicine and Biology</i> , 2008, 53, 2897-2909.	1.6	81
62	Investigation of X-ray Fluorescence Computed Tomography (XFCT) and K-Edge Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 1620-1627.	5.4	81
63	First Demonstration of Multiplexed X-Ray Fluorescence Computed Tomography (XFCT) Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 262-267.	5.4	79
64	A unifying probabilistic Bayesian approach to derive electron density from MRI for radiation therapy treatment planning. <i>Physics in Medicine and Biology</i> , 2014, 59, 6595-6606.	1.6	75
65	Radiomics and radiogenomics for precision radiotherapy. <i>Journal of Radiation Research</i> , 2018, 59, i25-i31.	0.8	74
66	Improved compressed sensing-based cone-beam CT reconstruction using adaptive prior image constraints. <i>Physics in Medicine and Biology</i> , 2012, 57, 2287-2307.	1.6	73
67	Comparison of Intensive Versus Moderate Lipid-Lowering Therapy on Fibrous Cap and Atheroma Volume of Coronary Lipid-Rich Plaque Using Serial Optical Coherence Tomography and Intravascular Ultrasound Imaging. <i>American Journal of Cardiology</i> , 2016, 117, 800-806.	0.7	73
68	Superpixel-based and boundary-sensitive convolutional neural network for automated liver segmentation. <i>Physics in Medicine and Biology</i> , 2018, 63, 095017.	1.6	73
69	Aperture modulated arc therapy. <i>Physics in Medicine and Biology</i> , 2003, 48, 1333-1344.	1.6	69
70	Shifting machine learning for healthcare from development to deployment and from models to data. <i>Nature Biomedical Engineering</i> , 2022, 6, 1330-1345.	11.6	69
71	Significance of intraplaque neovascularisation for vulnerability: optical coherence tomography study. <i>Heart</i> , 2012, 98, 1504-1509.	1.2	68
72	Deep Sinogram Completion With Image Prior for Metal Artifact Reduction in CT Images. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 228-238.	5.4	67

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73	4D cone beam CT via spatiotemporal tensor framelet. <i>Medical Physics</i> , 2012, 39, 6943-6946.	1.6	66
74	Self-Supervised Feature Learning via Exploiting Multi-Modal Data for Retinal Disease Diagnosis. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 4023-4033.	5.4	66
75	Combining deep learning with anatomical analysis for segmentation of the portal vein for liver SBRT planning. <i>Physics in Medicine and Biology</i> , 2017, 62, 8943-8958.	1.6	65
76	Self-attention convolutional neural network for improved MR image reconstruction. <i>Information Sciences</i> , 2019, 490, 317-328.	4.0	65
77	X-ray acoustic computed tomography with pulsed x-ray beam from a medical linear accelerator. <i>Medical Physics</i> , 2013, 40, 010701.	1.6	64
78	Nonculprit Plaque Characteristics in Patients With Acute Coronary Syndrome Caused by Plaque Erosion vs Plaque Rupture. <i>JAMA Cardiology</i> , 2018, 3, 207.	3.0	63
79	Fully automatic segmentation of type B aortic dissection from CTA images enabled by deep learning. <i>European Journal of Radiology</i> , 2019, 121, 108713.	1.2	61
80	Computational Challenges for Image-Guided Radiation Therapy: Framework and Current Research. <i>Seminars in Radiation Oncology</i> , 2007, 17, 245-257.	1.0	58
81	Learning deconvolutional deep neural network for high resolution medical image reconstruction. <i>Information Sciences</i> , 2018, 468, 142-154.	4.0	58
82	Artificial intelligence will soon change the landscape of medical physics research and practice. <i>Medical Physics</i> , 2018, 45, 1791-1793.	1.6	57
83	Optimization approaches to volumetric modulated arc therapy planning. <i>Medical Physics</i> , 2015, 42, 1367-1377.	1.6	56
84	Dose reconstruction for volumetric modulated arc therapy (VMAT) using cone-beam CT and dynamic log files. <i>Physics in Medicine and Biology</i> , 2010, 55, 3597-3610.	1.6	55
85	Projection-domain scatter correction for cone beam computed tomography using a residual convolutional neural network. <i>Medical Physics</i> , 2019, 46, 3142-3155.	1.6	55
86	Using voxel-dependent importance factors for interactive DVH-based dose optimization. <i>Physics in Medicine and Biology</i> , 2002, 47, 1659-1669.	1.6	53
87	X-Ray Luminescence and X-Ray Fluorescence Computed Tomography: New Molecular Imaging Modalities. <i>IEEE Access</i> , 2014, 2, 1051-1061.	2.6	53
88	Wireless Capsule Endoscopy: A New Tool for Cancer Screening in the Colon With Deep-Learning-Based Polyp Recognition. <i>Proceedings of the IEEE</i> , 2020, 108, 178-197.	16.4	53
89	Early Change in Metabolic Tumor Heterogeneity during Chemoradiotherapy and Its Prognostic Value for Patients with Locally Advanced Non-Small Cell Lung Cancer. <i>PLoS ONE</i> , 2016, 11, e0157836.	1.1	53
90	Reducing respiratory motion artifacts in positron emission tomography through retrospective stacking. <i>Medical Physics</i> , 2006, 33, 2632-2641.	1.6	51

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91	Development of a QA phantom and automated analysis tool for geometric quality assurance of on-board MV and kV x-ray imaging systems. <i>Medical Physics</i> , 2008, 35, 1497-1506.	1.6	51
92	Feature-based rectal contour propagation from planning CT to cone beam CT. <i>Medical Physics</i> , 2008, 35, 4450-4459.	1.6	51
93	Inverse planning for functional image-guided intensity-modulated radiation therapy. <i>Physics in Medicine and Biology</i> , 2002, 47, 3567-3578.	1.6	50
94	Using total-variation regularization for intensity modulated radiation therapy inverse planning with field-specific numbers of segments. <i>Physics in Medicine and Biology</i> , 2008, 53, 6653-6672.	1.6	50
95	Auto-propagation of contours for adaptive prostate radiation therapy. <i>Physics in Medicine and Biology</i> , 2008, 53, 4533-4542.	1.6	50
96	Multiscale registration of planning CT and daily cone beam CT images for adaptive radiation therapy. <i>Medical Physics</i> , 2009, 36, 4-11.	1.6	50
97	Radioluminescent nanophosphors enable multiplexed small-animal imaging. <i>Optics Express</i> , 2012, 20, 11598.	1.7	50
98	High Resolution X-ray-Induced Acoustic Tomography. <i>Scientific Reports</i> , 2016, 6, 26118.	1.6	50
99	Markerless Pancreatic Tumor Target Localization Enabled By Deep Learning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 432-439.	0.4	49
100	A fiducial detection algorithm for real-time image guided IMRT based on simultaneous MV and kV imaging. <i>Medical Physics</i> , 2008, 35, 3554-3564.	1.6	48
101	A model-based scatter artifacts correction for cone beam CT. <i>Medical Physics</i> , 2016, 43, 1736-1753.	1.6	48
102	Narrow band deformable registration of prostate magnetic resonance imaging, magnetic resonance spectroscopic imaging, and computed tomography studies. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 62, 595-605.	0.4	47
103	Reduction of Muscle Contractions during Irreversible Electroporation Therapy Using High-Frequency Bursts of Alternating Polarity Pulses: A Laboratory Investigation in an Ex Vivo Swine Model. <i>Journal of Vascular and Interventional Radiology</i> , 2018, 29, 893-898.e4.	0.2	46
104	Evaluation of the deformation and corresponding dosimetric implications in prostate cancer treatment. <i>Physics in Medicine and Biology</i> , 2012, 57, 5361-5379.	1.6	45
105	An adaptive planning strategy for station parameter optimized radiation therapy (SPORT): Segmentally boosted VMAT. <i>Medical Physics</i> , 2013, 40, 050701.	1.6	45
106	Predicting peritoneal recurrence and disease-free survival from CT images in gastric cancer with multitask deep learning: a retrospective study. <i>The Lancet Digital Health</i> , 2022, 4, e340-e350.	5.9	45
107	Independent monitor unit calculation for intensity modulated radiotherapy using the MIMiC multileaf collimator. <i>Medical Physics</i> , 2002, 29, 2041-2051.	1.6	44
108	Association between cholesterol crystals and culprit lesion vulnerability in patients with acute coronary syndrome: An optical coherence tomography study. <i>Atherosclerosis</i> , 2016, 247, 111-117.	0.4	44

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109	Four-dimensional inverse treatment planning with inclusion of implanted fiducials in IMRT segmented fields. <i>Medical Physics</i> , 2009, 36, 2215-2221.	1.6	43
110	Scatter correction in cone-beam CT via a half beam blocker technique allowing simultaneous acquisition of scatter and image information. <i>Medical Physics</i> , 2012, 39, 2386-2395.	1.6	43
111	Hard X-ray-induced optical luminescence via biomolecule-directed metal clusters. <i>Chemical Communications</i> , 2014, 50, 3549-3551.	2.2	43
112	Cone Beam X-ray Luminescence Computed Tomography Based on Bayesian Method. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 225-235.	5.4	43
113	Multi-Domain Image Completion for Random Missing Input Data. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1113-1122.	5.4	43
114	Computer verification of fluence map for intensity modulated radiation therapy. <i>Medical Physics</i> , 2000, 27, 2084-2092.	1.6	42
115	Feasibility study of beam orientation class-solutions for prostate IMRT. <i>Medical Physics</i> , 2004, 31, 2863-2870.	1.6	42
116	Clinical knowledge-based inverse treatment planning. <i>Physics in Medicine and Biology</i> , 2004, 49, 5101-5117.	1.6	41
117	Toward real-time Monte Carlo simulation using a commercial cloud computing infrastructure. <i>Physics in Medicine and Biology</i> , 2011, 56, N175-N181.	1.6	41
118	Rotation-Oriented Collaborative Self-Supervised Learning for Retinal Disease Diagnosis. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 2284-2294.	5.4	41
119	Asymmetric Waveforms Decrease Lethal Thresholds in High Frequency Irreversible Electroporation Therapies. <i>Scientific Reports</i> , 2017, 7, 40747.	1.6	41
120	Dose verification for respiratory-gated volumetric modulated arc therapy. <i>Physics in Medicine and Biology</i> , 2011, 56, 4827-4838.	1.6	40
121	Segmentation of Pathological Structures by Landmark-Assisted Deformable Models. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1457-1469.	5.4	40
122	Image registration with auto-mapped control volumes. <i>Medical Physics</i> , 2006, 33, 1165-1179.	1.6	39
123	Search for IMRT inverse plans with piecewise constant fluence maps using compressed sensing techniques. <i>Medical Physics</i> , 2009, 36, 1895-1905.	1.6	39
124	Cerenkov Luminescence Endoscopy: Improved Molecular Sensitivity with $\beta^+$ -Emitting Radiotracers. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1905-1909.	2.8	39
125	Deep Learning-Based Spectral Unmixing for Optoacoustic Imaging of Tissue Oxygen Saturation. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3643-3654.	5.4	39
126	A Bayesian approach to real-time 3D tumor localization via monoscopic x-ray imaging during treatment delivery. <i>Medical Physics</i> , 2011, 38, 4205-4214.	1.6	38



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127	A three-source model for the calculation of head scatter factors. <i>Medical Physics</i> , 2002, 29, 2024-2033.	1.6	37
128	IMRT dose shaping with regionally variable penalty scheme. <i>Medical Physics</i> , 2003, 30, 544-551.	1.6	37
129	Inverse treatment planning with adaptively evolving voxel-dependent penalty scheme. <i>Medical Physics</i> , 2004, 31, 2839-2844.	1.6	36
130	NeRP: Implicit Neural Representation Learning With Prior Embedding for Sparsely Sampled Image Reconstruction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2024, 35, 770-782.	7.2	36
131	37, 2351-2358.	1.6	35
132	An end-to-end examination of geometric accuracy of IGRT using a new digital accelerator equipped with onboard imaging system. <i>Physics in Medicine and Biology</i> , 2012, 57, 757-769.	1.6	35
133	Evaluation of the geometric accuracy of surrogate-based gated VMAT using intrafraction kilovoltage x-ray images. <i>Medical Physics</i> , 2012, 39, 2686-2693.	1.6	35
134	Order of Magnitude Sensitivity Increase in X-ray Fluorescence Computed Tomography (XFCT) Imaging With an Optimized Spectro-Spatial Detector Configuration: Theory and Simulation. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 1119-1128.	5.4	35
135	Theoretical detection threshold of the proton-acoustic range verification technique. <i>Medical Physics</i> , 2015, 42, 5735-5744.	1.6	35
136	Using edge-preserving algorithm with non-local mean for significantly improved image-domain material decomposition in dual-energy CT. <i>Physics in Medicine and Biology</i> , 2016, 61, 1332-1351.	1.6	35
137	Low Endothelial Shear Stress Predicts Evolution to High-Risk Coronary Plaque Phenotype in the Future. <i>Circulation: Cardiovascular Interventions</i> , 2017, 10, .	1.4	35
138	Incorporating dosimetric features into the prediction of 3D VMAT dose distributions using deep convolutional neural network. <i>Physics in Medicine and Biology</i> , 2019, 64, 125017.	1.6	35
139	TransCT: Dual-Path Transformer for Low Dose Computed Tomography. <i>Lecture Notes in Computer Science</i> , 2021, , 55-64.	1.0	35
140	Dosimetric features-driven machine learning model for DVH prediction in VMAT treatment planning. <i>Medical Physics</i> , 2019, 46, 857-867.	1.6	34
141	Automatic Polyp Recognition in Colonoscopy Images Using Deep Learning and Two-Stage Pyramidal Feature Prediction. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020, , 1-15.	3.4	34
142	Estimating dual-energy CT imaging from single-energy CT data with material decomposition convolutional neural network. <i>Medical Image Analysis</i> , 2021, 70, 102001.	7.0	34
143	X-ray excitable luminescent polymer dots doped with an iridium(iii) complex. <i>Chemical Communications</i> , 2013, 49, 4319.	2.2	33
144	Development of XFCT imaging strategy for monitoring the spatial distribution of platinum-based chemodrugs: Instrumentation and phantom validation. <i>Medical Physics</i> , 2013, 40, 030701.	1.6	33

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145	Optimized Detector Angular Configuration Increases the Sensitivity of X-ray Fluorescence Computed Tomography (XFCT). IEEE Transactions on Medical Imaging, 2015, 34, 1140-1147.	5.4	33
146	Strategies for prediction and mitigation of radiation-induced liver toxicity. Journal of Radiation Research, 2018, 59, i40-i49.	0.8	33
147	Segmentation of parotid glands from registered CT and MR images. Physica Medica, 2018, 52, 33-41.	0.4	33
148	Ultrafast and scalable cone-beam CT reconstruction using MapReduce in a cloud computing environment. Medical Physics, 2011, 38, 6603-6609.	1.6	32
149	Clinical Implementation of Intrafraction Cone Beam Computed Tomography Imaging During Lung Tumor Stereotactic Ablative Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2013, 87, 917-923.	0.4	32
150	Hybrid multiscale landmark and deformable image registration. Mathematical Biosciences and Engineering, 2007, 4, 711-737.	1.0	32
151	Tissue Feature-Based and Segmented Deformable Image Registration for Improved Modeling of Shear Movement of Lungs. International Journal of Radiation Oncology Biology Physics, 2009, 74, 1256-1265.	0.4	31
152	Multisource modeling of flattening filter free (FFF) beam and the optimization of model parameters. Medical Physics, 2011, 38, 1931-1942.	1.6	31
153	Monte Carlo simulation of photon migration in a cloud computing environment with MapReduce. Journal of Biomedical Optics, 2011, 16, 125003.	1.4	31
154	Multiscale Image Registration. Mathematical Biosciences and Engineering, 2006, 3, 389-418.	1.0	31
155	Dose-volume based ranking of incident beam direction and its utility in facilitating IMRT beam placement. International Journal of Radiation Oncology Biology Physics, 2005, 63, 584-593.	0.4	30
156	Automated Contour Mapping With a Regional Deformable Model. International Journal of Radiation Oncology Biology Physics, 2008, 70, 599-608.	0.4	30
157	Bridging the gap between IMRT and VMAT: Dense angularly sampled and sparse intensity modulated radiation therapy. Medical Physics, 2011, 38, 4912-4919.	1.6	30
158	Development of an autonomous treatment planning strategy for radiation therapy with effective use of population-based prior data. Medical Physics, 2017, 44, 389-396.	1.6	30
159	Deep DoseNet: a deep neural network for accurate dosimetric transformation between different spatial resolutions and/or different dose calculation algorithms for precision radiation therapy. Physics in Medicine and Biology, 2020, 65, 035010.	1.6	30
160	Development and validation of a model to predict survival in colorectal cancer using a gradient-boosted machine. Gut, 2021, 70, 884-889.	6.1	30
161	L-shell x-ray fluorescence computed tomography (XFCT) imaging of Cisplatin. Physics in Medicine and Biology, 2014, 59, 219-232.	1.6	29
162	Incorporating prior knowledge via volumetric deep residual network to optimize the reconstruction of sparsely sampled MRI. Magnetic Resonance Imaging, 2020, 66, 93-103.	1.0	29

#	ARTICLE	IF	CITATIONS
163	Pancoronary Plaque Characteristics in STEMI Caused by Culprit Plaque Erosion Versus Rupture. JACC: Cardiovascular Imaging, 2021, 14, 1235-1245.	2.3	29
164	Selection of external beam radiotherapy approaches for precise and accurate cancer treatment. Journal of Radiation Research, 2018, 59, i2-i10.	0.8	28
165	Incorporating imaging information from deep neural network layers into image guided radiation therapy (IGRT). Radiotherapy and Oncology, 2019, 140, 167-174.	0.3	28
166	Difficulty-Aware Meta-learning for Rare Disease Diagnosis. Lecture Notes in Computer Science, 2020, , 357-366.	1.0	28
167	A three-dimensional algorithm for optimizing beam weights and wedge filters. Medical Physics, 1998, 25, 1858-1865.	1.6	27
168	Image-Guided Radiotherapy in Near Real Time With Intensity-Modulated Radiotherapy Megavoltage Treatment Beam Imaging. International Journal of Radiation Oncology Biology Physics, 2009, 75, 603-610.	0.4	27
169	37, 5627-5633.	1.6	27
170	Inverse planning for IMRT with nonuniform beam profiles using total variation regularization (TVR). Medical Physics, 2011, 38, 57-66.	1.6	27
171	Intrafraction Verification of Gated RapidArc by Using Beam-Level Kilovoltage X-Ray Images. International Journal of Radiation Oncology Biology Physics, 2012, 83, e709-e715.	0.4	27
172	Dose distribution prediction in isodose feature-preserving voxelization domain using deep convolutional neural network. Medical Physics, 2019, 46, 2978-2987.	1.6	27
173	Plug pattern optimization for gamma knife radiosurgery treatment planning. International Journal of Radiation Oncology Biology Physics, 2003, 55, 420-427.	0.4	26
174	In vivo prostate magnetic resonance spectroscopic imaging using two-dimensional J-resolved PRESS at 3 T. Magnetic Resonance in Medicine, 2005, 53, 1177-1182.	1.9	26
175	Burst and continuous high frequency irreversible electroporation protocols evaluated in a 3D tumor model. Physics in Medicine and Biology, 2018, 63, 135022.	1.6	26
176	Densely Connected Neural Network With Unbalanced Discriminant and Category Sensitive Constraints for Polyp Recognition. IEEE Transactions on Automation Science and Engineering, 2020, 17, 574-583.	3.4	26
177	Multicellular Spheroids as In Vitro Models of Oxygen Depletion During FLASH Irradiation. International Journal of Radiation Oncology Biology Physics, 2021, 110, 833-844.	0.4	26
178	Neural Networks for Deep Radiotherapy Dose Analysis and Prediction of Liver SBRT Outcomes. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1821-1833.	3.9	25
179	Automatic intraprostatic lesion segmentation in multiparametric magnetic resonance images with proposed multiple branch UNet. Medical Physics, 2020, 47, 6421-6429.	1.6	25
180	Individualized gating windows based on four-dimensional CT information for respiration-gated radiotherapy. Physics in Medicine and Biology, 2008, 53, 165-175.	1.6	24

#	ARTICLE	IF	CITATIONS
181	Assessing the Dosimetric Impact of Real-Time Prostate Motion During Volumetric Modulated Arc Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 1167-1174.	0.4	24
182	Four-Dimensional Image Registration for Image-Guided Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 578-586.	0.4	23
183	The use of EPID-measured leaf sequence files for IMRT dose reconstruction in adaptive radiation therapy. <i>Medical Physics</i> , 2008, 35, 5019-5029.	1.6	23
184	Automatic Prostate Tracking and Motion Assessment in Volumetric Modulated Arc Therapy With an Electronic Portal Imaging Device. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 86, 762-768.	0.4	23
185	Development and clinical evaluation of automatic fiducial detection for tumor tracking in cine megavoltage images during volumetric modulated arc therapy. <i>Medical Physics</i> , 2013, 40, 031708.	1.6	23
186	Efficient Radioisotope Energy Transfer by Gold Nanoclusters for Molecular Imaging. <i>Small</i> , 2015, 11, 4002-4008.	5.2	23
187	Optimization of a single insertion electrode array for the creation of clinically relevant ablations using high-frequency irreversible electroporation. <i>Computers in Biology and Medicine</i> , 2018, 95, 107-117.	3.9	23
188	Hybrid adversarial-discriminative network for leukocyte classification in leukemia. <i>Medical Physics</i> , 2020, 47, 3732-3744.	1.6	23
189	Matching photon and electron fields with dynamic intensity modulation. <i>Medical Physics</i> , 1999, 26, 2379-2384.	1.6	22
190	An assessment of PTV margin based on actual accumulated dose for prostate cancer radiotherapy. <i>Physics in Medicine and Biology</i> , 2013, 58, 7733-7744.	1.6	22
191	Monitoring external beam radiotherapy using real-time beam visualization. <i>Medical Physics</i> , 2015, 42, 5-13.	1.6	22
192	Attention-aware fully convolutional neural network with convolutional long short-term memory network for ultrasound-based motion tracking. <i>Medical Physics</i> , 2019, 46, 2275-2285.	1.6	22
193	Deep learning for identification of critical regions associated with toxicities after liver stereotactic body radiation therapy. <i>Medical Physics</i> , 2020, 47, 3721-3731.	1.6	22
194	Data-driven dose calculation algorithm based on deep U-Net. <i>Physics in Medicine and Biology</i> , 2020, 65, 245035.	1.6	22
195	Multiscale deformable registration of noisy medical images. <i>Mathematical Biosciences and Engineering</i> , 2008, 5, 125-144.	1.0	22
196	Quantitation of the prior dosimetric capabilities of spatial points in inverse planning and its significant implication in defining IMRT solution space. <i>Physics in Medicine and Biology</i> , 2005, 50, 1469-1482.	1.6	21
197	Facile Synthesis of Amine-Functionalized Eu <sup>3+</sup> -Doped La(OH) <sub>3</sub> Nanophosphors for Bioimaging. <i>Nanoscale Research Letters</i> , 2011, 6, 24.	3.1	21
198	Experimental validation of L-shell x-ray fluorescence computed tomography imaging: phantom study. <i>Journal of Medical Imaging</i> , 2015, 2, 043501.	0.8	21

#	ARTICLE	IF	CITATIONS
199	Segmentation-free x-ray energy spectrum estimation for computed tomography using dual-energy material decomposition. <i>Journal of Medical Imaging</i> , 2017, 4, 023506.	0.8	21
200	Culprit lesion morphology in young patients with ST-segment elevated myocardial infarction: A clinical, angiographic and optical coherence tomography study. <i>Atherosclerosis</i> , 2019, 289, 94-100.	0.4	21
201	Simulation studies of time reversal-based protoacoustic reconstruction for range and dose verification in proton therapy. <i>Medical Physics</i> , 2019, 46, 3649-3662.	1.6	21
202	Temperature Dependence of High Frequency Irreversible Electroporation Evaluated in a 3D Tumor Model. <i>Annals of Biomedical Engineering</i> , 2020, 48, 2233-2246.	1.3	21
203	A deep learning framework for prostate localization in cone beam CT-guided radiotherapy. <i>Medical Physics</i> , 2020, 47, 4233-4240.	1.6	21
204	Production of Spherical Ablations Using Nonthermal Irreversible Electroporation: A Laboratory Investigation Using a Single Electrode and Grounding Pad. <i>Journal of Vascular and Interventional Radiology</i> , 2016, 27, 1432-1440.e3.	0.2	20
205	Augmenting atlas-based liver segmentation for radiotherapy treatment planning by incorporating image features proximal to the atlas contours. <i>Physics in Medicine and Biology</i> , 2017, 62, 272-288.	1.6	20
206	Frequency, Predictors, Distribution, and Morphological Characteristics of Layered Culprit and Nonculprit Plaques of Patients With Acute Myocardial Infarction. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e009125.	1.4	20
207	A data-driven dimensionality-reduction algorithm for the exploration of patterns in biomedical data. <i>Nature Biomedical Engineering</i> , 2021, 5, 624-635.	11.6	20
208	Automated contour propagation of the prostate from pCT to CBCT images via deep unsupervised learning. <i>Medical Physics</i> , 2021, 48, 1764-1770.	1.6	20
209	Incorporating leaf transmission and head scatter corrections into step-and-shoot leaf sequences for IMRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 55, 1121-1134.	0.4	19
210	Volumetric modulated arc therapy planning method for supine craniospinal irradiation. <i>Journal of Radiation Oncology</i> , 2012, 1, 291-297.	0.7	19
211	Optimization of normalized prescription isodose selection for stereotactic body radiation therapy: Conventional vs robotic linac. <i>Medical Physics</i> , 2013, 40, 051705.	1.6	19
212	Feasibility study of Compton cameras for x-ray fluorescence computed tomography with humans. <i>Physics in Medicine and Biology</i> , 2016, 61, 8521-8540.	1.6	19
213	A unified material decomposition framework for quantitative dual- and triple-energy CT imaging. <i>Medical Physics</i> , 2018, 45, 2964-2977.	1.6	19
214	Generalized Adaptive Gaussian Markov Random Field for X-Ray Luminescence Computed Tomography. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 2130-2133.	2.5	19
215	Range and dose verification in proton therapy using proton-induced positron emitters and recurrent neural networks (RNNs). <i>Physics in Medicine and Biology</i> , 2019, 64, 175009.	1.6	19
216	Deep Neural Network With Consistency Regularization of Multi-Output Channels for Improved Tumor Detection and Delineation. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3369-3378.	5.4	19

#	ARTICLE	IF	CITATIONS
217	Beam's-Eye-View Dosimetricsâ€“Guided Inverse Planning for Aperture-Modulated Arc Therapy. International Journal of Radiation Oncology Biology Physics, 2009, 75, 1587-1595.	0.4	18
218	Optimized Hybrid Megavoltage-Kilovoltage Imaging Protocol for Volumetric Prostate Arc Therapy. International Journal of Radiation Oncology Biology Physics, 2010, 78, 595-604.	0.4	18
219	Sequentially reweighted TV minimization for CT metal artifact reduction. Medical Physics, 2013, 40, 071907.	1.6	18
220	First study of onâ€“treatment volumetric imaging during respiratory gated VMAT. Medical Physics, 2013, 40, 040701.	1.6	18
221	A depthâ€“sensing technique on 3Dâ€“printed compensator for total body irradiation patient measurement and treatment planning. Medical Physics, 2016, 43, 6137-6144.	1.6	18
222	Coded-Aperture Compressed Sensing X-Ray Luminescence Tomography. IEEE Transactions on Biomedical Engineering, 2018, 65, 1892-1895.	2.5	18
223	Prostate Segmentation with Encoder-Decoder Densely Connected Convolutional Network (Ed-Densenet). , 2019, , .		18
224	Optimization of relative weights and wedge angles in treatment planning. Medical Physics, 1997, 24, 215-221.	1.6	17
225	Noise Reduction in Low-Dose X-Ray Fluoroscopy for Image-Guided Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2009, 74, 637-643.	0.4	17
226	A binary image reconstruction technique for accurate determination of the shape and location of metal objects in x-ray computed tomography. Journal of X-Ray Science and Technology, 2010, 18, 403-414.	0.7	17
227	Analysis of Long-Term 4-Dimensional Computed Tomography Regional Ventilation After Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2015, 92, 683-690.	0.4	17
228	Treatment of Cancer In Vitro Using Radiation and High-Frequency Bursts of Submicrosecond Electrical Pulses. IEEE Transactions on Biomedical Engineering, 2018, 65, 928-935.	2.5	17
229	Tracking the motion trajectories of junction structures in 4D CT images of the lung. Physics in Medicine and Biology, 2012, 57, 4905-4930.	1.6	16
230	Protonâ€“induced xâ€“ray fluorescence CT imaging. Medical Physics, 2015, 42, 900-907.	1.6	16
231	Optimizing efficiency and safety in external beam radiotherapy using automated plan check (APC) tool and six sigma methodology. Journal of Applied Clinical Medical Physics, 2019, 20, 56-64.	0.8	16
232	Controlled Nanoâ€“Bio Interface of Functional Nanoprobes for in Vivo Monitoring Enzyme Activity in Tumors. ACS Nano, 2019, 13, 1153-1167.	7.3	16
233	Pulmonary Ventilation Maps Generated with Free-breathing Proton MRI and a Deep Convolutional Neural Network. Radiology, 2021, 298, 427-438.	3.6	16
234	Closing the Gap Between Deep Neural Network Modeling and Biomedical Decision-Making Metrics in Segmentation via Adaptive Loss Functions. IEEE Transactions on Medical Imaging, 2021, 40, 585-593.	5.4	16

#	ARTICLE	IF	CITATIONS
235	Metal artifact reduction in 2D CT images with self-supervised cross-domain learning. <i>Physics in Medicine and Biology</i> , 2021, 66, 175003.	1.6	16
236	Initial application of a geometric QA tool for integrated MV and kV imaging systems on three image guided radiotherapy systems. <i>Medical Physics</i> , 2011, 38, 2335-2341.	1.6	15
237	Simultaneous beam sampling and aperture shape optimization for SPORT. <i>Medical Physics</i> , 2015, 42, 1012-1022.	1.6	15
238	High-Frequency Irreversible Electroporation Using 5,000-V Waveforms to Create Reproducible 2- and 4-cm Ablation Zones—A Laboratory Investigation Using Mechanically Perfused Liver. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 162-168.e7.	0.2	15
239	Accelerating quantitative MR imaging with the incorporation of B1 compensation using deep learning. <i>Magnetic Resonance Imaging</i> , 2020, 72, 78-86.	1.0	15
240	Increased Vulnerability and Distinct Layered Phenotype at Culprit and Nonculprit Lesions in STEMI Versus NSTEMI. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 672-681.	2.3	15
241	Pixel response-based $\langle \text{scp} \rangle$ EPID $\langle \text{scp} \rangle$ dosimetry for patient specific $\langle \text{scp} \rangle$ QA $\langle \text{scp} \rangle$ . <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 9-17.	0.8	15
242	Attention-guided deep learning for gestational age prediction using fetal brain MRI. <i>Scientific Reports</i> , 2022, 12, 1408.	1.6	15
243	The value of PET/CT is being over-sold as a clinical tool in radiation oncology. <i>Medical Physics</i> , 2005, 32, 1457-1459.	1.6	14
244	Automated contour mapping using sparse volume sampling for 4D radiation therapy. <i>Medical Physics</i> , 2007, 34, 4023-4029.	1.6	14
245	Clinical development of a failure detection-based online repositioning strategy for prostate IMRT—Experiments, simulation, and dosimetry study. <i>Medical Physics</i> , 2010, 37, 5287-5297.	1.6	14
246	A Failure Detection Strategy for Intrafraction Prostate Motion Monitoring With On-Board Imagers for Fixed-Gantry IMRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 78, 904-911.	0.4	14
247	Tissue feature-based intra-fractional motion tracking for stereoscopic x-ray image guided radiotherapy. <i>Physics in Medicine and Biology</i> , 2013, 58, 3615-3630.	1.6	14
248	Single-scan patient-specific scatter correction in computed tomography using peripheral detection of scatter and compressed sensing scatter retrieval. <i>Medical Physics</i> , 2013, 40, 011907.	1.6	14
249	Quality control procedures for dynamic treatment delivery techniques involving couch motion. <i>Medical Physics</i> , 2014, 41, 081712.	1.6	14
250	Accuracy of surface registration compared to conventional volumetric registration in patient positioning for head and neck radiotherapy: A simulation study using patient data. <i>Medical Physics</i> , 2014, 41, 121701.	1.6	14
251	$\hat{\gamma}^2$ -Radioluminescence Imaging: A Comparative Evaluation with Cerenkov Luminescence Imaging. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1458-1464.	2.8	14
252	Technical Note: Machine learning approaches for range and dose verification in proton therapy using proton-induced positron emitters. <i>Medical Physics</i> , 2019, 46, 5748-5757.	1.6	14

#	ARTICLE	IF	CITATIONS
253	Beam data modeling of linear accelerators (linacs) through machine learning and its potential applications in fast and robust linac commissioning and quality assurance. <i>Radiotherapy and Oncology</i> , 2020, 153, 122-129.	0.3	14
254	Incorporating model parameter uncertainty into inverse treatment planning. <i>Medical Physics</i> , 2004, 31, 2711-2720.	1.6	13
255	Toward Truly Optimal IMRT Dose Distribution: Inverse Planning with Voxel-specific Penalty. <i>Technology in Cancer Research and Treatment</i> , 2010, 9, 629-636.	0.8	13
256	Sinogram preprocessing and binary reconstruction for determination of the shape and location of metal objects in computed tomography (CT). <i>Medical Physics</i> , 2010, 37, 5867-5875.	1.6	13
257	A Fourier-based compressed sensing technique for accelerated CT image reconstruction using first-order methods. <i>Physics in Medicine and Biology</i> , 2014, 59, 3097-3119.	1.6	13
258	Low-dose 4D cone-beam CT via joint spatiotemporal regularization of tensor framelet and nonlocal total variation. <i>Physics in Medicine and Biology</i> , 2017, 62, 6408-6427.	1.6	13
259	Polarized x-ray excitation for scatter reduction in x-ray fluorescence computed tomography. <i>Medical Physics</i> , 2018, 45, 3741-3748.	1.6	13
260	Monte Carlo tree search -based non-coplanar trajectory design for station parameter optimized radiation therapy (SPORT). <i>Physics in Medicine and Biology</i> , 2018, 63, 135014.	1.6	13
261	Task Group 174 Report: Utilization of [ <sup>18</sup> F]Fluorodeoxyglucose Positron Emission Tomography ([ <sup>18</sup> F]FDG) PET/CT. <i>Medical Physics</i> , 2016, 43, 078431.	1.6	13
262	Relationship between elevated plasma ceramides and plaque rupture in patients with ST-segment elevation myocardial infarction. <i>Atherosclerosis</i> , 2020, 302, 8-14.	0.4	13
263	Verification of the machine delivery parameters of a treatment plan via deep learning. <i>Physics in Medicine and Biology</i> , 2020, 65, 195007.	1.6	13
264	MR to ultrasound image registration with segmentation-based learning for HDR prostate brachytherapy. <i>Medical Physics</i> , 2021, 48, 3074-3083.	1.6	13
265	Superpixel Region Merging Based on Deep Network for Medical Image Segmentation. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2020, 11, 1-22.	2.9	13
266	A geometry-informed deep learning framework for ultra-sparse 3D tomographic image reconstruction. <i>Computers in Biology and Medicine</i> , 2022, 148, 105710.	3.9	13
267	Beam's-eye-view dosimetrics (BEVD) guided rotational station parameter optimized radiation therapy (SPORT) planning based on reweighted total-variation minimization. <i>Physics in Medicine and Biology</i> , 2015, 60, N71-N82.	1.6	12
268	Automating quality assurance of digital linear accelerators using a radioluminescent phosphor coated phantom and optical imaging. <i>Physics in Medicine and Biology</i> , 2016, 61, L29-L37.	1.6	12
269	Coronary Plaque Characteristics Associated With Reduced TIMI (Thrombolysis in Myocardial) Flow. <i>Cardiovascular Interventions</i> , 2016, 9, .	1.4	12
270	Binary moving-blocker-based scatter correction in cone-beam computed tomography with width-truncated projections: proof of concept. <i>Physics in Medicine and Biology</i> , 2017, 62, 2176-2193.	1.6	12



#	ARTICLE	IF	CITATIONS
271	RIS-DenseNet: Rotation-Invariant and Image Similarity Constrained Densely Connected Convolutional Network for Polyp Detection. Lecture Notes in Computer Science, 2018, , 620-628.	1.0	12
272	Noise2Context: Context-assisted learning 3D thin-layer for low-dose CT. Medical Physics, 2021, 48, 5794-5803.	1.6	12
273	A dose-volume histogram based optimization algorithm for ultrasound guided prostate implants. Medical Physics, 2000, 27, 2286-2292.	1.6	11
274	Quality Assurance of Positron Emission Tomography/Computed Tomography for Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2008, 71, S38-S42.	0.4	11
275	Dose optimization with first-order total variation minimization for dense angularly sampled and sparse intensity modulated radiation therapy (DASSIM-RT). Medical Physics, 2012, 39, 4316-4327.	1.6	11
276	Toward a web-based real-time radiation treatment planning system in a cloud computing environment. Physics in Medicine and Biology, 2013, 58, 6525-6540.	1.6	11
277	Automatic multiorgan segmentation in CT images of the male pelvis using region-specific hierarchical appearance cluster models. Medical Physics, 2016, 43, 5426-5436.	1.6	11
278	Application programming in C# environment with recorded user software interactions and its application in autopilot of VMAT/IMRT treatment planning. Journal of Applied Clinical Medical Physics, 2016, 17, 189-203.	0.8	11
279	Robust Estimation of Electron Density From Anatomic Magnetic Resonance Imaging of the Brain Using a Unifying Multi-Atlas Approach. International Journal of Radiation Oncology Biology Physics, 2017, 97, 849-857.	0.4	11
280	Deep learning applications in automatic needle segmentation in ultrasound-guided prostate brachytherapy. Medical Physics, 2020, 47, 3797-3805.	1.6	11
281	Screening for chronic obstructive pulmonary disease with artificial intelligence. The Lancet Digital Health, 2020, 2, e216-e217.	5.9	11
282	A deep learning approach for dual-energy CT imaging using a single-energy CT data. , 2019, , .		11
283	Kilovoltage imaging is more suitable than megavoltage imaging for guiding radiation therapy. Medical Physics, 2007, 34, 4563-4566.	1.6	10
284	Conceptual formulation on four-dimensional inverse planning for intensity modulated radiation therapy. Physics in Medicine and Biology, 2009, 54, N255-N266.	1.6	10
285	An introduction to molecular imaging in radiation oncology: A report by the AAPM Working Group on Molecular Imaging in Radiation Oncology (WGMIR). Medical Physics, 2013, 40, 101501.	1.6	10
286	Fiber-Optic System for Dual-Modality Imaging of Glucose Probes 18F-FDG and 6-NBDG in Atherosclerotic Plaques. PLoS ONE, 2014, 9, e108108.	1.1	10
287	Independent calculation of monitor units for VMAT and SPORT. Medical Physics, 2015, 42, 918-924.	1.6	10
288	A new sparse optimization scheme for simultaneous beam angle and fluence map optimization in radiotherapy planning. Physics in Medicine and Biology, 2017, 62, 6428-6445.	1.6	10

#	ARTICLE	IF	CITATIONS
289	Rare-Earth-Doped Nanoparticles for Short-Wave Infrared Fluorescence Bioimaging and Molecular Targeting of $\beta$ - $\gamma$ -Expressing Tumors. <i>Molecular Imaging</i> , 2018, 17, 153601211879913.	0.7	10
290	Obtaining dual-energy computed tomography (CT) information from a single-energy CT image for quantitative imaging analysis of living subjects by using deep learning. , 2019, , .		10
291	A convex optimization approach to radiation treatment planning with dose constraints. <i>Optimization and Engineering</i> , 2019, 20, 277-300.	1.3	10
292	Modified fast adaptive scatter kernel superposition (mfASKS) correction and its dosimetric impact on CBCT-based proton therapy dose calculation. <i>Medical Physics</i> , 2020, 47, 190-200.	1.6	10
293	Restarted primal-dual Newton conjugate gradient method for enhanced spatial resolution of reconstructed cone-beam x-ray luminescence computed tomography images. <i>Physics in Medicine and Biology</i> , 2020, 65, 135008.	1.6	10
294	A Patient Set-up Protocol Based on Partially Blocked Cone-beam CT. <i>Technology in Cancer Research and Treatment</i> , 2010, 9, 191-198.	0.8	9
295	Nonisocentric Treatment Strategy for Breast Radiation Therapy: A Proof of Concept Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 920-926.	0.4	9
296	Using a handheld stereo depth camera to overcome limited field-of-view in simulation imaging for radiation therapy treatment planning. <i>Medical Physics</i> , 2017, 44, 1857-1864.	1.6	9
297	A novel range-verification method using ionoacoustic wave generated from spherical gold markers for particle-beam therapy: a simulation study. <i>Scientific Reports</i> , 2019, 9, 4011.	1.6	9
298	X-ray-induced shortwave infrared luminescence computed tomography. <i>Optics Letters</i> , 2019, 44, 4769.	1.7	9
299	Treatment planning system commissioning of the first clinical biology-guided radiotherapy machine. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, .	0.8	9
300	CT image registration in sinogram space. <i>Medical Physics</i> , 2007, 34, 3596-3602.	1.6	8
301	Efficient IMRT inverse planning with a new L1-solver: template for first-order conic solver. <i>Physics in Medicine and Biology</i> , 2012, 57, 4139-4153.	1.6	8
302	Practical implementation of a collapsed cone convolution algorithm for a radiation treatment planning system. <i>Journal of the Korean Physical Society</i> , 2012, 61, 2073-2083.	0.3	8
303	DASSIM-RT is likely to become the method of choice over conventional IMRT and VMAT for delivery of highly conformal radiotherapy. <i>Medical Physics</i> , 2013, 40, 020601.	1.6	8
304	Automatic liver contouring for radiotherapy treatment planning. <i>Physics in Medicine and Biology</i> , 2015, 60, 7461-7483.	1.6	8
305	A Dual-Modality Hybrid Imaging System Harnesses Radioluminescence and Sound to Reveal Molecular Pathology of Atherosclerotic Plaques. <i>Scientific Reports</i> , 2018, 8, 8992.	1.6	8
306	Potential of Gd-EOB-DTPA as an imaging biomarker for liver injury estimation after radiation therapy. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2019, 18, 354-359.	0.6	8

#	ARTICLE	IF	CITATIONS
307	Electro-thermal therapy: Microsecond duration pulsed electric field tissue ablation with dynamic temperature control algorithms. <i>Computers in Biology and Medicine</i> , 2020, 121, 103807.	3.9	8
308	Fast spot-scanning proton dose calculation method with uncertainty quantification using a three-dimensional convolutional neural network. <i>Physics in Medicine and Biology</i> , 2020, 65, 215007.	1.6	8
309	Development and Validation of an Interpretable Artificial Intelligence Model to Predict 10-Year Prostate Cancer Mortality. <i>Cancers</i> , 2021, 13, 3064.	1.7	8
310	Geometry and statistics-preserving manifold embedding for nonlinear dimensionality reduction. <i>Pattern Recognition Letters</i> , 2021, 151, 155-162.	2.6	8
311	Beam commissioning of the first clinical biology-guided radiotherapy system. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13607.	0.8	8
312	Linear algebraic methods applied to intensity modulated radiation therapy. <i>Physics in Medicine and Biology</i> , 2001, 46, 2587-2606.	1.6	7
313	Therapeutic treatment plan optimization with probability density-based dose prescription. <i>Medical Physics</i> , 2003, 30, 655-666.	1.6	7
314	Dual-gated volumetric modulated arc therapy. <i>Radiation Oncology</i> , 2014, 9, 209.	1.2	7
315	Optimization of rotational arc station parameter optimized radiation therapy. <i>Medical Physics</i> , 2016, 43, 4973-4982.	1.6	7
316	Flexible radioluminescence imaging for FDG-guided surgery. <i>Medical Physics</i> , 2016, 43, 5298-5306.	1.6	7
317	Automatic deformable surface registration for medical applications by radial basis function-based robust point-matching. <i>Computers in Biology and Medicine</i> , 2016, 77, 173-181.	3.9	7
318	Lipid-lowering therapy stabilizes the complexity of non-culprit plaques in human coronary artery: a quantitative assessment using OCT bright spot algorithm. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 453-461.	0.7	7
319	Reduced acquisition time for shell-ray fluorescence computed tomography using polycapillary-ray optics. <i>Medical Physics</i> , 2019, 46, 5696-5702.	1.6	7
320	Morphological Characteristics of Eroded Plaques with Noncritical Coronary Stenosis: An Optical Coherence Tomography Study. <i>Journal of Atherosclerosis and Thrombosis</i> , 2022, 29, 126-140.	0.9	7
321	Independent verification of brachytherapy treatment plan by using deep learning inference modeling. <i>Physics in Medicine and Biology</i> , 2021, 66, 125014.	1.6	7
322	Automated multi-parameter high-dose-rate brachytherapy quality assurance via radioluminescence imaging. <i>Physics in Medicine and Biology</i> , 2020, 65, 225005.	1.6	7
323	Deep learning-enhanced LED-based photoacoustic imaging. , 2020, , .		7
324	Small-field measurement and Monte Carlo model validation of a novel image-guided radiotherapy system. <i>Medical Physics</i> , 2021, 48, 7450-7460.	1.6	7

#	ARTICLE	IF	CITATIONS
325	Implicit neural representation for radiation therapy dose distribution. <i>Physics in Medicine and Biology</i> , 2022, 67, 125014.	1.6	7
326	IMRT and SBRT Treatment Planning Study for the First Clinical Biology-Guided Radiotherapy System. <i>Technology in Cancer Research and Treatment</i> , 2022, 21, 153303382211002.	0.8	7
327	A unified framework for 3D radiation therapy and IMRT planning: plan optimization in the beamlet domain by constraining or regularizing the fluence map variations. <i>Physics in Medicine and Biology</i> , 2010, 55, N521-N531.	1.6	6
328	Total-Variation Regularization Based Inverse Planning for Intensity Modulated Arc Therapy. <i>Technology in Cancer Research and Treatment</i> , 2012, 11, 149-162.	0.8	6
329	Cone beam CT imaging with limited angle of projections and prior knowledge for volumetric verification of non-coplanar beam radiation therapy: a proof of concept study. <i>Physics in Medicine and Biology</i> , 2013, 58, 7777-7789.	1.6	6
330	Improving IMRT delivery efficiency with reweighted L1 $\epsilon$ -minimization for inverse planning. <i>Medical Physics</i> , 2013, 40, 071719.	1.6	6
331	Inverse planning in the age of digital LINACs: station parameter optimized radiation therapy (SPORT). <i>Journal of Physics: Conference Series</i> , 2014, 489, 012065.	0.3	6
332	Localization of in-stent neoatherosclerosis in relation to curvatures and bifurcations after stenting. <i>Journal of Thoracic Disease</i> , 2016, 8, 3530-3536.	0.6	6
333	SYNTAX Score and Pre- and Poststent Optical Coherence Tomography Findings in the Left Anterior Descending Coronary Artery in Patients With Stable Angina Pectoris. <i>American Journal of Cardiology</i> , 2017, 120, 898-903.	0.7	6
334	Automated hepatobiliary toxicity prediction after liver stereotactic body radiation therapy with deep learning-based portal vein segmentation. <i>Neurocomputing</i> , 2020, 392, 181-188.	3.5	6
335	Design and Preliminary Experience of a Tele-Radiotherapy System for a Medical Alliance in China. <i>Telemedicine Journal and E-Health</i> , 2020, 26, 235-243.	1.6	6
336	Artificial intelligence should be part of medical physics graduate program curriculum. <i>Medical Physics</i> , 2021, 48, 1457-1460.	1.6	6
337	Obtaining dual-energy computed tomography (CT) information from a single-energy CT image for quantitative imaging analysis of living subjects by using deep learning. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2020, 25, 139-148.	0.7	6
338	Response to "Comment on "Bridging the gap between IMRT and VMAT: Dense angularly sampled and sparse intensity modulated radiation therapy" [Med. Phys. 38, 4912-4919 (2011)]. <i>Medical Physics</i> , 2012, 39, 1676-1676.	1.6	5
339	X-ray induced photoacoustic tomography. <i>Proceedings of SPIE</i> , 2013, , .	0.8	5
340	Serial Optical Coherence Tomography and Intravascular Ultrasound Analysis of Gender Difference in Changes of Plaque Phenotype in Response to Lipid-Lowering Therapy. <i>American Journal of Cardiology</i> , 2016, 117, 1890-1895.	0.7	5
341	Cumulative dose of radiation therapy of hepatocellular carcinoma patients and its deterministic relation to radiation-induced liver disease. <i>Medical Dosimetry</i> , 2018, 43, 258-266.	0.4	5
342	Differences in coronary plaque morphology between East Asian and Western White patients. <i>Coronary Artery Disease</i> , 2018, 29, 597-602.	0.3	5

#	ARTICLE	IF	CITATIONS
343	Editorial: Machine Learning With Radiation Oncology Big Data. <i>Frontiers in Oncology</i> , 2018, 8, 416.	1.3	5
344	Real-Time Radiation Treatment Planning with Optimality Guarantees via Cluster and Bound Methods. <i>INFORMS Journal on Computing</i> , 2019, 31, 544-558.	1.0	5
345	Factor 10 Expedience of Monthly Linac Quality Assurance via an Ion Chamber Array and Automation Scripts. <i>Technology in Cancer Research and Treatment</i> , 2019, 18, 153303381987689.	0.8	5
346	Systemic and local factors associated with reduced thrombolysis in myocardial infarction flow in ST-segment elevation myocardial infarction patients with plaque erosion detected by intravascular optical coherence tomography. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 399-409.	0.7	5
347	Fully automated noncoplanar radiation therapy treatment planning. <i>Medical Physics</i> , 2021, 48, 7439-7449.	1.6	5
348	Harnessing the power of deep learning for volumetric CT imaging with single or limited number of projections. , 2019, , .		5
349	Investigation of using a power function as a cost function in inverse planning optimization. <i>Medical Physics</i> , 2005, 32, 920-927.	1.6	4
350	Development of an accurate EPID-based output measurement and dosimetric verification tool for electron beam therapy. <i>Medical Physics</i> , 2015, 42, 4190-4198.	1.6	4
351	Scintillating Balloon-Enabled Fiber-Optic System for Radionuclide Imaging of Atherosclerotic Plaques. <i>Journal of Nuclear Medicine</i> , 2015, 56, 771-777.	2.8	4
352	Differences in coronary plaque characteristics between patients with and those without peripheral arterial disease. <i>Coronary Artery Disease</i> , 2017, 28, 658-663.	0.3	4
353	Isodose feature-preserving voxelization (IFPV) for radiation therapy treatment planning. <i>Medical Physics</i> , 2018, 45, 3321-3329.	1.6	4
354	Deep Learning Prediction of Cancer Prevalence from Satellite Imagery. <i>Cancers</i> , 2020, 12, 3844.	1.7	4
355	Modularized data-driven reconstruction framework for nonideal focal spot effect elimination in computed tomography. <i>Medical Physics</i> , 2021, 48, 2245-2257.	1.6	4
356	Deep learning-augmented radioluminescence imaging for radiotherapy dose verification. <i>Medical Physics</i> , 2021, 48, 6820-6831.	1.6	4
357	Deep learning-enabled EPID-based 3D dosimetry for dose verification of step-and-shoot radiotherapy. <i>Medical Physics</i> , 2021, 48, 6810-6819.	1.6	4
358	Pareto Optimal Projection Search (POPS): Automated Radiation Therapy Treatment Planning by Direct Search of the Pareto Surface. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 2907-2917.	2.5	4
359	High-speed X-ray-induced luminescence computed tomography. <i>Journal of Biophotonics</i> , 2020, 13, e202000066.	1.1	4
360	Meta-optimization for fully automated radiation therapy treatment planning. <i>Physics in Medicine and Biology</i> , 2022, 67, 055011.	1.6	4

#	ARTICLE	IF	CITATIONS
361	Metal artifact reduction in computed tomography by constrained optimization. , 2010, , .		3
362	Fast and accurate marker-based projective registration method for uncalibrated transmission electron microscope tilt series. Physics in Medicine and Biology, 2010, 55, 3417-3440.	1.6	3
363	Development of a fast and feasible spectrum modeling technique for flattening filter free beams. Medical Physics, 2013, 40, 041721.	1.6	3
364	Impact of Age on Stent Strut Coverage and Neointimal Remodeling as Assessed by Optical Coherence Tomography. Medicine (United States), 2015, 94, e2246.	0.4	3
365	Using measurable dosimetric quantities to characterize the inter-structural tradeoff in inverse planning. Physics in Medicine and Biology, 2017, 62, 6804-6821.	1.6	3
366	A computation study on an integrated alternating direction method of multipliers for large scale optimization. Optimization Letters, 2018, 12, 3-15.	0.9	3
367	Calibrated uncertainty estimation for interpretable proton computed tomography image correction using Bayesian deep learning. Physics in Medicine and Biology, 2021, 66, 065029.	1.6	3
368	A robotically assisted 3D printed quality assurance lung phantom for Calypso. Physics in Medicine and Biology, 2021, 66, 074005.	1.6	3
369	Deciphering tissue relaxation parameters from a single MR image using deep learning. , 2020, , .		3
370	Novel-view X-ray projection synthesis through geometry-integrated deep learning. Medical Image Analysis, 2022, 77, 102372.	7.0	3
371	Noise correlation in CBCT projection data and its application for noise reduction in low-dose CBCT. Proceedings of SPIE, 2009, , .	0.8	2
372	Registration of on-board X-ray images with 4DCT: A proposed method of phase and setup verification for gated radiotherapy. Physica Medica, 2010, 26, 117-125.	0.4	2
373	Accurate determination of the shape and location of metal objects in x-ray computed tomography. Proceedings of SPIE, 2010, , .	0.8	2
374	Comparison of a large area CZT detector to a spectroscopic CdTe detector for X-ray fluorescence computed tomography. , 2016, , .		2
375	Fabrication of a customized bone scaffold using a homemade medical 3D printer for comminuted fractures. Journal of the Korean Physical Society, 2016, 69, 852-857.	0.3	2
376	Dynamic neointimal pattern after drug-eluting stent implantation defined by optical coherence tomography. Coronary Artery Disease, 2017, 28, 557-563.	0.3	2
377	Line-Enhanced Deformable Registration of Pulmonary Computed Tomography Images Before and After Radiation Therapy With Radiation-Induced Fibrosis. Technology in Cancer Research and Treatment, 2018, 17, 153303461774941.	0.8	2
378	Tensor framelet based iterative image reconstruction algorithm for low-dose multislice helical CT. PLoS ONE, 2019, 14, e0210410.	1.1	2

#	ARTICLE	IF	CITATIONS
379	In Vivo Translation of the CIRPI System: Revealing Molecular Pathology of Rabbit Aortic Atherosclerotic Plaques. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1308-1316.	2.8	2
380	Upconversion Luminescence Imaging of Tumors with EGFR-Affibody Conjugated Nanophosphors. <i>MRS Advances</i> , 2019, 4, 2461-2470.	0.5	2
381	Technical Note: Evaluation of audiovisual biofeedback smartphone application for respiratory monitoring in radiation oncology. <i>Medical Physics</i> , 2020, 47, 5496-5504.	1.6	2
382	Deep learning-augmented radiotherapy visualization with a cylindrical radioluminescence system. <i>Physics in Medicine and Biology</i> , 2021, 66, 045014.	1.6	2
383	Prior-image-based CT reconstruction using attenuation-mismatched priors. <i>Physics in Medicine and Biology</i> , 2021, 66, 064007.	1.6	2
384	Dose Prediction for Cervical Cancer Brachytherapy Using 3-D Deep Convolutional Neural Network. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2022, 6, 214-221.	2.7	2
385	Image-Guided Adaptive Radiotherapy. , 2010, , 213-223.		2
386	Mechanoporation enables rapid and efficient radiolabeling of stem cells for PET imaging. <i>Scientific Reports</i> , 2022, 12, 2955.	1.6	2
387	Deriving new soft tissue contrasts from conventional MR images using deep learning. <i>Magnetic Resonance Imaging</i> , 2020, 74, 121-127.	1.0	1
388	Outlook of the future landscape of artificial intelligence in medicine and new challenges. , 2021, , 503-526.		1
389	Molecular/Functional Image-guided Intensity Modulated Radiation Therapy. , 2006, , 187-198.		1
390	Imaging cellular pharmacokinetics of 18F-FDG and 6-NBDG uptake by inflammatory and stem cells. <i>PLoS ONE</i> , 2018, 13, e0192662.	1.1	1
391	High spatial resolution x-ray luminescence computed tomography and x-ray fluorescence computed tomography. , 2019, , .		1
392	Human-level comparable control volume mapping with a deep unsupervised-learning model for image-guided radiation therapy. <i>Computers in Biology and Medicine</i> , 2022, 141, 105139.	3.9	1
393	Operator splitting for adaptive radiation therapy with nonlinear health dynamics. <i>Optimization Methods and Software</i> , 2022, 37, 2300-2323.	1.6	1
394	Monitor unit calculation for intensity modulated photon field. , 0, , .		0
395	Inverse planning incorporating organ motion. , 0, , .		0
396	Pseudo-biologic plan scoring for treatment plan evaluation. , 0, , .		0

#	ARTICLE	IF	CITATIONS
397	Implementation of a Clarkson summation algorithm for dose verification in MLC-based IMRT. , 0, , .		0
398	Medical Imaging Modalities in Radiotherapy. Medical Radiology, 0, , 625-639.	0.0	0
399	3D Bayesian Tracking with a Single Imager for Real-Time Image Guidance in Prostate Radiation Therapy. , 2011, , .		0
400	Iterative prescription refinement in fully discretized inverse problems of radiation therapy planning. Inverse Problems in Science and Engineering, 2011, 19, 1125-1137.	1.2	0
401	Linac-Based Image Guided Intensity Modulated Radiation Therapy. Medical Radiology, 2011, , 275-312.	0.0	0
402	Development of a Beam Source Modeling Technique for a Flattening Filter Free (FFF) Beam. , 2011, , .		0
403	X-ray fluorescence computed tomography with a compton camera for a clinical application. , 2016, , .		0
404	Dosimetric analysis of isocentrically shielded volumetric modulated arc therapy for locally recurrent nasopharyngeal cancer. Scientific Reports, 2016, 6, 25959.	1.6	0
405	Feasibility of optimizing intensityâ€modulated radiation therapy plans based on measured mucosal dose adjacent to dental fillings and toxicity outcomes. Journal of Applied Clinical Medical Physics, 2018, 19, 444-452.	0.8	0
406	Detection of Carotid Artery Stenosis with Intraplaque Hemorrhage and Neovascularization Using a Scanning Interferometer. Nano Letters, 2021, 21, 5714-5721.	4.5	0
407	Three-Dimensional Conformal Radiotherapy and Intensity-Modulated Radiotherapy. , 2010, , 170-192.		0
408	Poster - Thur Eve - 38: Feasibility of a Table-Top Total Body Irradiation Technique using Robotic Couch Motion. Medical Physics, 2014, 41, 15-15.	1.6	0
409	SUâ€Eâ€Câ€130: Automating Liver Segmentation Via Combined Global and Local Optimization. Medical Physics, 2015, 42, 3294-3294.	1.6	0
410	SUâ€Eâ€Câ€131: Augmenting Atlasâ€Based Segmentation by Incorporating Image Features Proximal to the Atlas Contours. Medical Physics, 2015, 42, 3294-3295.	1.6	0
411	Automatic marker-free target positioning and tracking for image-guided radiotherapy and interventions. , 2019, , .		0
412	Second window near-infrared dosimeter (NIR2D) system for radiation dosimetry. Physics in Medicine and Biology, 2020, 65, 175013.	1.6	0
413	Food based contrast agents for photoacoustic imaging. , 2020, , .		0
414	Minimizing normal tissue dose spillage via broad-range optimization of hundreds of intensity modulated beams for treating multiple brain targets. Journal of Radiosurgery and SBRT, 2016, 4, 107-115.	0.2	0



#	ARTICLE	IF	CITATIONS
415	Relationship between non-culprit lesion plaque characteristics changes and in-stent neoatherosclerosis formation: 1-year follow-up optical coherence tomography study. <i>Reviews in Cardiovascular Medicine</i> , 2021, 22, 1693.	0.5	0
416	Relationship of Microchannels and Plaque Erosion in Patients with ST-Segment Elevation Myocardial Infarction: An Optical Coherence Tomography Study. <i>Cardiology Discovery</i> , 2022, 2, 83-88.	0.6	0