Joseph O Deasy

List of Publications by Year
in descending order

272	17,192	24978 57	16605 123
papers	citations	h-index	g-index

293	293	293	13821
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Editorial for â€œDifferences in Radiomics Signatures Between Patients with Early and Advanced Tâ€Stage Nasopharyngeal Carcinoma Facilitate Prognostication†. Journal of Magnetic Resonance Imaging, 2022, 56, 221-222.	1.9	0
2	aWCluster: A Novel Integrative Network-Based Clustering of Multiomics for Subtype Analysis of Cancer Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 1472-1483.	1.9	11
3	Unpaired Cross-Modality Educed Distillation (CMEDL) for Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2022, 41, 1057-1068.	5.4	10
4	Pre-treatment immune status predicts disease control in NSCLCs treated with chemoradiation and durvalumab. Radiotherapy and Oncology, 2022, 167, 158-164.	0.3	10
5	Prospectively-validated deep learning model for segmenting swallowing and chewing structures in CT. Physics in Medicine and Biology, 2022, 67, 024001.	1.6	13
6	Pan-Cancer Prediction of Cell-Line Drug Sensitivity Using Network-Based Methods. International Journal of Molecular Sciences, 2022, 23, 1074.	1.8	7
7	Automated and Clinically Optimal Treatment Planning for Cancer Radiotherapy. INFORMS Journal on Applied Analytics, 2022, 52, 69-89.	0.7	6
8	vWCluster: Vector-valued optimal transport for network based clustering using multi-omics data in breast cancer. PLoS ONE, 2022, 17, e0265150.	1.1	5
9	Nested block selfâ€attention multiple resolution residual network for multiorgan segmentation from CT. Medical Physics, 2022, 49, 5244-5257.	1.6	8
10	Optimizing Lung Cancer Radiotherapy Treatments Using Personalized Dose-Response Curves. Medical Radiology, 2022, , .	0.0	0
11	Stochastic Nortonâ€“Simonâ€“MassaguÃ© Tumor Growth Modeling: Controlled and Mixed-Effect Uncontrolled Analysis. IEEE Transactions on Control Systems Technology, 2021, 29, 704-717.	3.2	3
12	Using Auto-Segmentation to Reduce Contouring and Dose Inconsistency in Clinical Trials: The Simulated Impact on RTOG 0617. International Journal of Radiation Oncology Biology Physics, 2021, 109, 1619-1626.	0.4	30
13	Periodicity Scoring of Time Series Encodes Dynamical Behavior of the Tumor Suppressor p53. IFAC-PapersOnLine, 2021, 54, 488-495.	0.5	1
14	Reproducible and Interpretable Spiculation Quantification for Lung Cancer Screening. Computer Methods and Programs in Biomedicine, 2021, 200, 105839.	2.6	13
15	Solving the volumetric modulated arc therapy (VMAT) problem using a sequential convex programming method. Physics in Medicine and Biology, 2021, 66, 085004.	1.6	3
16	Reproducibility of radiomic features using network analysis and its application in Wasserstein k-means clustering. Journal of Medical Imaging, 2021, 8, 031904.	0.8	1
17	Deep crossâ€modality (MRâ€CT) educed distillation learning for cone beam CT lung tumor segmentation. Medical Physics, 2021, 48, 3702-3713.	1.6	9
18	Clinical implementation of deep learning contour autosegmentation for prostate radiotherapy. Radiotherapy and Oncology, 2021, 159, 1-7.	0.3	56

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19	A platform for continuous learning in oncology. Nature Cancer, 2021, 2, 675-676.	5.7	2
20	In Reply to Sabour. International Journal of Radiation Oncology Biology Physics, 2021, 110, 915-916.	0.4	0
21	PathCNN: interpretable convolutional neural networks for survival prediction and pathway analysis applied to glioblastoma. Bioinformatics, 2021, 37, i443-i450.	1.8	15
22	Radiation-Induced Dyspnea in Lung Cancer Patients Treated with Stereotactic Body Radiation Therapy. Cancers, 2021, 13, 3734.	1.7	7
23	Radiation Pneumonitis in Thoracic Cancer Patients: Multi-Center Voxel-Based Analysis. Cancers, 2021, 13, 3553.	1.7	15
24	Deep learning auto-segmentation and automated treatment planning for trismus risk reduction in head and neck cancer radiotherapy. Physics and Imaging in Radiation Oncology, 2021, 19, 96-101.	1.2	11
25	Early Prediction of Acute Esophagitis for Adaptive Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2021, 110, 883-892.	0.4	10
26	Application of Community Detection Algorithm to Investigate the Correlation between Imaging Biomarkers of Tumor Metabolism, Hypoxia, Cellularity, and Perfusion for Precision Radiotherapy in Head and Neck Squamous Cell Carcinomas. Cancers, 2021, 13, 3908.	1.7	3
27	Automatic segmentation of brain metastases using T1 magnetic resonance and computed tomography images. Physics in Medicine and Biology, 2021, 66, 175014.	1.6	21
28	Geometric network analysis provides prognostic information in patients with high grade serous carcinoma of the ovary treated with immune checkpoint inhibitors. Npj Genomic Medicine, 2021, 6, 99.	1.7	13
29	Patchâ€based generative adversarial neural network models for head and neck MRâ€only planning. Medical Physics, 2020, 47, 626-642.	1.6	67
30	Organoids Reveal That Inherent Radiosensitivity of Small and Large Intestinal Stem Cells Determines Organ Sensitivity. Cancer Research, 2020, 80, 1219-1227.	0.4	30
31	LDeform: Longitudinal deformation analysis for adaptive radiotherapy of lung cancer. Medical Physics, 2020, 47, 132-141.	1.6	5
32	Are unsatisfactory outcomes after concurrent chemoradiotherapy for locally advanced non-small cell lung cancer due to treatment-related immunosuppression?. Radiotherapy and Oncology, 2020, 143, 51-57.	0.3	16
33	Clinical Experience of Automated SBRT Paraspinal and Other Metastatic Tumor Planning With Constrained Hierarchical Optimization. Advances in Radiation Oncology, 2020, 5, 1042-1050.	0.6	5
34	Integrating soft and hard doseâ€volume constraints into hierarchical constrained IMRT optimization. Medical Physics, 2020, 47, 414-421.	1.6	11
35	Prediction of Breast Cancer Treatmentâ€“Induced Fatigue by Machine Learning UsingÂGenome-Wide Association Data. JNCI Cancer Spectrum, 2020, 4, pkaa039.	1.4	9
36	Integrated Multi-Tumor Radio-Genomic Marker of Outcomes in Patients with High Serous Ovarian Carcinoma. Cancers, 2020, 12, 3403.	1.7	24

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37	Enhanced superâ€resolution reconstruction of T1w timeâ€resolved 4DMRI in lowâ€contrast tissue using 2â€step hybrid deformable image registration. Journal of Applied Clinical Medical Physics, 2020, 21, 25-39.	0.8	8
38	PSIGAN: Joint Probabilistic Segmentation and Image Distribution Matching for Unpaired Cross-Modality Adaptation-Based MRI Segmentation. IEEE Transactions on Medical Imaging, 2020, 39, 4071-4084.	5.4	27
39	Predictive Modeling of Thoracic Radiotherapy Toxicity and the Potential Role of Serum Alpha-2-Macroglobulin. Frontiers in Oncology, 2020, 10, 1395.	1.3	6
40	A Vectorial Approach to Unbalanced Optimal Mass Transport. IEEE Access, 2020, 8, 209224-209231.	2.6	0
41	Identification of biological correlates associated with respiratory failure in COVID-19. BMC Medical Genomics, 2020, 13, 186.	0.7	11
42	Non-invasive imaging prediction of tumor hypoxia: A novel developed and externally validated CT and FDG-PET-based radiomic signatures. Radiotherapy and Oncology, 2020, 153, 97-105.	0.3	19
43	Modeling the Impact of Cardiopulmonary Irradiation on Overall Survival in NRG Oncology Trial RTOG 0617. Clinical Cancer Research, 2020, 26, 4643-4650.	3.2	47
44	Radiation pneumonitis in lung cancer patients treated with chemoradiation plus durvalumab. Cancer Medicine, 2020, 9, 4622-4631.	1.3	37
45	Lymphocyte-Sparing Radiotherapy: The Rationale for Protecting Lymphocyte-rich Organs When Combining Radiotherapy With Immunotherapy. Seminars in Radiation Oncology, 2020, 30, 187-193.	1.0	57
46	Library of deep-learning image segmentation and outcomes model-implementations. Physica Medica, 2020, 73, 190-196.	0.4	15
47	A machine learning model that classifies breast cancer pathologic complete response on MRI post-neoadjuvant chemotherapy. Breast Cancer Research, 2020, 22, 57.	2.2	63
48	A novel kernel Wasserstein distance on Gaussian measures: An application of identifying dental artifacts in head and neck computed tomography. Computers in Biology and Medicine, 2020, 120, 103731.	3.9	12
49	A superâ€resolution framework for the reconstruction of T2â€weighted (T2w) timeâ€resolved (TR) 4DMRI using T1w TRâ€4DMRI as the guidance. Medical Physics, 2020, 47, 3091-3102.	1.6	9
50	Automated proton treatment planning with robust optimization using constrained hierarchical optimization. Medical Physics, 2020, 47, 2779-2790.	1.6	8
51	Functional network analysis reveals an immune tolerance mechanism in cancer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16339-16345.	3.3	10
52	Cardio-pulmonary substructure segmentation of radiotherapy computed tomography images using convolutional neural networks for clinical outcomes analysis. Physics and Imaging in Radiation Oncology, 2020, 14, 61-66.	1.2	38
53	Registering Study Analysis Plans (SAPs) Before Dissecting Your Dataâ€"Updating and Standardizing Outcome Modeling. Frontiers in Oncology, 2020, 10, 978.	1.3	4
54	Radiomic analysis identifies tumor subtypes associated with distinct molecular and microenvironmental factors in head and neck squamous cell carcinoma. Oral Oncology, 2020, 110, 104877.	0.8	22

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55	Machine learning on genome-wide association studies to predict the risk of radiation-associated contralateral breast cancer in the WECARE Study. PLoS ONE, 2020, 15, e0226157.	1.1	22
56	Automating proton treatment planning with beam angle selection using Bayesian optimization. Medical Physics, 2020, 47, 3286-3296.	1.6	21
57	Technical Note: A customâ€designed flexible MR coil array for spine radiotherapy treatment planning. Medical Physics, 2020, 47, 3143-3152.	1.6	3
58	The relative biological effectiveness of carbon ion radiation therapy for early stage lung cancer. Radiotherapy and Oncology, 2020, 153, 265-271.	0.3	4
59	Self-derived organ attention for unpaired CT-MRI deep domain adaptation based MRI segmentation. Physics in Medicine and Biology, 2020, 65, 205001.	1.6	9
60	Computational Modeling of Interstitial Fluid Pressure and Velocity in Head and Neck Cancer Based on Dynamic Contrast-Enhanced Magnetic Resonance Imaging: Feasibility Analysis. Tomography, 2020, 6, 129-138.	0.8	14
61	Multiple Resolution Residually Connected Feature Streams for Automatic Lung Tumor Segmentation From CT Images. IEEE Transactions on Medical Imaging, 2019, 38, 134-144.	5.4	176
62	Toward predicting the evolution of lung tumors during radiotherapy observed on a longitudinal MR imaging study via a deep learning algorithm. Medical Physics, 2019, 46, 4699-4707.	1.6	34
63	Toronto Workshop on Late Recurrence in Estrogen Receptor-Positive Breast Cancer: Part 2: Approaches to Predict and Identify Late Recurrence, Research Directions. JNCI Cancer Spectrum, 2019, 3, pkz049.	1.4	11
64	A theoretical investigation of adequate range uncertainty margins in proton treatment planning to preserve tumor control probability. Acta OncolÃ³gica, 2019, 58, 1446-1450.	0.8	4
65	Optimal mass transport kinetic modeling for head and neck DCEâ€MRI: Initial analysis. Magnetic Resonance in Medicine, 2019, 82, 2314-2325.	1.9	3
66	Spatial signature of dose patterns associated with acute radiation-induced lung damage in lung cancer patients treated with stereotactic body radiation therapy. Physics in Medicine and Biology, 2019, 64, 155006.	1.6	19
67	Impact of image preprocessing on the scanner dependence of multi-parametric MRI radiomic features and covariate shift in multi-institutional glioblastoma datasets. Physics in Medicine and Biology, 2019, 64, 165011.	1.6	79
68	Crossâ€modality (CTâ€MRI) prior augmented deep learning for robust lung tumor segmentation from small MR datasets. Medical Physics, 2019, 46, 4392-4404.	1.6	42
69	Dose to the cardio-pulmonary system and treatment-induced electrocardiogram abnormalities in locally advanced non-small cell lung cancer. Clinical and Translational Radiation Oncology, 2019, 19, 96-102.	0.9	16
70	Dynamic multiatlas selectionâ€based consensus segmentation of head and neck structures from CT images. Medical Physics, 2019, 46, 5612-5622.	1.6	10
71	Toronto Workshop on Late Recurrence in Estrogen Receptorâ€“Positive Breast Cancer: Part 1: Late Recurrence: Current Understanding, Clinical Considerations. JNCI Cancer Spectrum, 2019, 3, pkz050.	1.4	15
72	Dualâ€input tracer kinetic modeling of dynamic contrastâ€enhanced MRI in thoracic malignancies. Journal of Applied Clinical Medical Physics, 2019, 20, 169-188.	0.8	4

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73	Robust and interpretable PAM50 reclassification exhibits survival advantage for myoepithelial and immune phenotypes. Npj Breast Cancer, 2019, 5, 30.	2.3	25
74	Molecular phenotyping using networks, diffusion, and topology: soft tissue sarcoma. Scientific Reports, 2019, 9, 13982.	1.6	5
75	Toward personalized dose-prescription in locally advanced non-small cell lung cancer: Validation of published normal tissue complication probability models. Radiotherapy and Oncology, 2019, 138, 45-51.	0.3	27
76	Automated intensity modulated treatment planning: The expedited constrained hierarchical optimization (ECHO) system. Medical Physics, 2019, 46, 2944-2954.	1.6	33
77	Enhancement of Long-Term Externalâ€“Internal Correlation by Phase-Shift Detection and Correction Based on Concurrent External Bellows and Internal Navigator Signals. Advances in Radiation Oncology, 2019, 4, 377-389.	0.6	6
78	Tolerance doses for late adverse events after hypofractionated radiotherapy for prostate cancer on trial NRG Oncology/RTOG 0415. Radiotherapy and Oncology, 2019, 135, 19-24.	0.3	21
79	Preoperative MRI-radiomics features improve prediction of survival in glioblastoma patients over MGMT methylation status alone. Oncotarget, 2019, 10, 660-672.	0.8	35
80	Daily Fractionation of External Beam Accelerated Partial Breast Irradiation to 40ÂGy Is Well Tolerated and Locally Effective. International Journal of Radiation Oncology Biology Physics, 2019, 104, 859-866.	0.4	17
81	Controlled and Uncontrolled Stochastic Norton-Simon-MassaguÃ© Tumor Growth Models. , 2019, , .		0
82	Deep learning-based auto-segmentation of targets and organs-at-risk for magnetic resonance imaging only planning of prostate radiotherapy. Physics and Imaging in Radiation Oncology, 2019, 12, 80-86.	1.2	82
83	Dosimetric evaluation of an atlasâ€based synthetic <scp>CT</scp> generation approach for <scp>MR</scp>â€only radiotherapy of pelvis anatomy. Journal of Applied Clinical Medical Physics, 2019, 20, 101-109.	0.8	28
84	Diffusionâ€weighted <scp>MRI</scp> of the lung at 3T evaluated using echoâ€planarâ€based and singleâ€shot turbo spinâ€echoâ€based acquisition techniques for radiotherapy applications. Journal of Applied Clinical Medical Physics, 2019, 20, 284-292.	0.8	13
85	An Antitumor Immune Response Is Evoked by Partial-Volume Single-Dose Radiation in 2 Murine Models. International Journal of Radiation Oncology Biology Physics, 2019, 103, 697-708.	0.4	62
86	Cardio-Pulmonary Substructure Segmentation of CT Images Using Convolutional Neural Networks. Lecture Notes in Computer Science, 2019, , 162-169.	1.0	3
87	Radiomics analysis of pulmonary nodules in lowâ€dose <scp>CT</scp> for early detection of lung cancer. Medical Physics, 2018, 45, 1537-1549.	1.6	104
88	Characterizing Cancer Drug Response and Biological Correlates: A Geometric Network Approach. Scientific Reports, 2018, 8, 6402.	1.6	17
89	Machine Learning on a Genome-wide Association Study to Predict Late Genitourinary Toxicity After Prostate Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2018, 101, 128-135.	0.4	73
90	Predicting hypoxia status using a combination of contrast-enhanced computed tomography and [18F]-Fluorodeoxyglucose positron emission tomography radiomics features. Radiotherapy and Oncology, 2018, 127, 36-42.	0.3	55

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91	MRI features predictive of negative surgical margins in patients with HER2 overexpressing breast cancer undergoing breast conservation. Scientific Reports, 2018, 8, 315.	1.6	7
92	Image-guided radiotherapy reduces the risk of under-dosing high-risk prostate cancer extra-capsular disease and improves biochemical control. Radiation Oncology, 2018, 13, 64.	1.2	9
93	Technical Note: Scintillation well counters and particle counting digital autoradiography devices can be used to detect activities associated with genomic profiling adequacy of biopsy specimens obtained after a low activity ¹⁸Fâ€<scp>FDG</scp> injection. Medical Physics, 2018, 45, 2179-2185.	1.6	8
94	Inter-institutional analysis demonstrates the importance of lower than previously anticipated dose regions to prevent late rectal bleeding following prostate radiotherapy. Radiotherapy and Oncology, 2018, 127, 88-95.	0.3	14
95	Appearance Constrained Semi-Automatic Segmentation from DCE-MRI is Reproducible and Feasible for Breast Cancer Radiomics: A Feasibility Study. Scientific Reports, 2018, 8, 4838.	1.6	26
96	Incorporating spatial dose metrics in machine learning-based normal tissue complication probability (NTCP) models of severe acute dysphagia resulting from head and neck radiotherapy. Clinical and Translational Radiation Oncology, 2018, 8, 27-39.	0.9	31
97	A Systematic Post-QUANTEC Review of Tolerance Doses for Late Toxicity After Prostate Cancer Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1514-1532.	0.4	42
98	Introduction of a pseudo demons force to enhance deformation range for robust reconstruction of superâ€resolution timeâ€resolved 4<scp>DMRI</scp>. Medical Physics, 2018, 45, 5197-5207.	1.6	10
99	Quantification of Local Metabolic Tumor Volume Changes by Registering Blended PET-CT Images for Prediction of Pathologic Tumor Response. Lecture Notes in Computer Science, 2018, , 31-41.	1.0	9
100	Robust radiotherapy planning. Physics in Medicine and Biology, 2018, 63, 22TR02.	1.6	156
101	A case-control study using motion-inclusive spatial dose-volume metrics to account for genito-urinary toxicity following high-precision radiotherapy for prostate cancer. Physics and Imaging in Radiation Oncology, 2018, 7, 65-69.	1.2	2
102	Tumor-Aware, Adversarial Domain Adaptation from CT to MRI for Lung Cancer Segmentation. Lecture Notes in Computer Science, 2018, 11071, 777-785.	1.0	104
103	Predictors of acute throat or esophageal patient reported pain during radiation therapy for head and neck cancer. Clinical and Translational Radiation Oncology, 2018, 13, 1-6.	0.9	1
104	Correlation Between Tumor Metabolism and Semiquantitative Perfusion Magnetic Resonance Imaging Metrics in Non-Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2018, 102, 718-726.	0.4	12
105	Parotid gland fat related Magnetic Resonance image biomarkers improve prediction of late radiation-induced xerostomia. Radiotherapy and Oncology, 2018, 128, 459-466.	0.3	69
106	Validating a Predictive Atlas of Tumor Shrinkage for Adaptive Radiotherapy of Locally Advanced Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2018, 102, 978-986.	0.4	16
107	Image-based Data Mining to Probe Dosimetric Correlates of Radiation-induced Trismus. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1330-1338.	0.4	32
108	Technical Note: Extension of CERR for computational radiomics: A comprehensive MATLAB platform for reproducible radiomics research. Medical Physics, 2018, 45, 3713-3720.	1.6	114

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109	Interpretable Spiculation Quantification for Lung Cancer Screening. Lecture Notes in Computer Science, 2018, , 38-48.	1.0	3
110	Big Data Approaches to Improve Stereotactic Body Radiation Therapy (SBRT) Outcomes. Advances in Medical Diagnosis, Treatment, and Care, 2018, , 94-113.	0.1	0
111	Internal and external generalizability of temporal doseâ€“response relationships for xerostomia following IMRT for head and neck cancer. Radiotherapy and Oncology, 2017, 122, 200-206.	0.3	5
112	Independent test of a model to predict severe acute esophagitis. Advances in Radiation Oncology, 2017, 2, 37-43.	0.6	18
113	The role of parotid gland irradiation in the development of severe hyposalivation (xerostomia) after intensity-modulated radiation therapy for head and neck cancer: Temporal patterns, risk factors, and testing the QUANTEC guidelines. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 595-600.	0.7	24
114	Novel Super-Resolution Approach to Time-Resolved Volumetric 4-Dimensional Magnetic Resonance Imaging With High Spatiotemporal Resolution for Multi-Breathing Cycle Motion Assessment. International Journal of Radiation Oncology Biology Physics, 2017, 98, 454-462.	0.4	30
115	Computational methods using genome-wide association studies to predict radiotherapy complications and to identify correlative molecular processes. Scientific Reports, 2017, 7, 43381.	1.6	35
116	A radiobiological model of radiotherapy response and its correlation with prognostic imaging variables. Physics in Medicine and Biology, 2017, 62, 2658-2674.	1.6	9
117	Associations between volume changes and spatial dose metrics for the urinary bladder during local versus pelvic irradiation for prostate cancer. Acta OncolÃ³gica, 2017, 56, 884-890.	0.8	23
118	A magnetic resonance imaging-based approach to quantify radiation-induced normal tissue injuries applied to trismus in head and neck cancer. Physics and Imaging in Radiation Oncology, 2017, 1, 34-40.	1.2	26
119	Multiatlas approach with local registration goodness weighting for MRI-based electron density mapping of head and neck anatomy. Medical Physics, 2017, 44, 3706-3717.	1.6	32
120	Modeling the Cellular Response of Lung Cancer to Radiation Therapy for a Broad Range of Fractionation Schedules. Clinical Cancer Research, 2017, 23, 5469-5479.	3.2	47
121	Predictive modeling of outcomes following definitive chemoradiotherapy for oropharyngeal cancer based on FDG-PET image characteristics. Physics in Medicine and Biology, 2017, 62, 5327-5343.	1.6	51
122	Simulating intrafraction prostate motion with a random walk model. Advances in Radiation Oncology, 2017, 2, 429-436.	0.6	9
123	A novel representation of inter-site tumour heterogeneity from pre-treatment computed tomography textures classifies ovarian cancers by clinical outcome. European Radiology, 2017, 27, 3991-4001.	2.3	92
124	Introducing the Medical Physics Dataset Article. Medical Physics, 2017, 44, 349-350.	1.6	11
125	A geometric atlas to predict lung tumor shrinkage for radiotherapy treatment planning. Physics in Medicine and Biology, 2017, 62, 702-714.	1.6	15
126	Intravoxel incoherent motion diffusionâ€weighted MRI during chemoradiation therapy to characterize and monitor treatment response in human papillomavirus head and neck squamous cell carcinoma. Journal of Magnetic Resonance Imaging, 2017, 45, 1013-1023.	1.9	50

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127	Preconditioned Random Forest Regression. , 2017, , .		0
128	Beyond the margin recipe: the probability of correct target dosage and tumor control in the presence of a dose limiting structure. Physics in Medicine and Biology, 2017, 62, 7874-7888.	1.6	18
129	Spatial rectal dose/volume metrics predict patient-reported gastro-intestinal symptoms after radiotherapy for prostate cancer. Acta OncolÃ³gica, 2017, 56, 1507-1513.	0.8	23
130	Investigating the Robustness Neighborhood Gray Tone Difference Matrix and Gray Level Co-occurrence Matrix Radiomic Features on Clinical Computed Tomography Systems Using Anthropomorphic Phantoms. Journal of Computer Assisted Tomography, 2017, 41, 995-1001.	0.5	15
131	Pediatric Sarcoma Data Forms a Unique Cluster Measured via the Earth Moverâ€™s Distance. Scientific Reports, 2017, 7, 7035.	1.6	19
132	<scp>IMRT QA</scp> using machine learning: A multiâ€institutional validation. Journal of Applied Clinical Medical Physics, 2017, 18, 279-284.	0.8	111
133	A Combination of Radiation and the Hypoxia-Activated Prodrug Evofosfamide (TH-302) is Efficacious against a Human Orthotopic Pancreatic Tumor Model. Translational Oncology, 2017, 10, 760-765.	1.7	33
134	Direct Comparison of Respiration-Correlated Four-Dimensional Magnetic Resonance Imaging Reconstructed Using Concurrent Internal Navigator and External Bellows. International Journal of Radiation Oncology Biology Physics, 2017, 97, 596-605.	0.4	37
135	Identifying radiation-induced survivorship syndromes affecting bowel health in a cohort of gynecological cancer survivors. PLoS ONE, 2017, 12, e0171461.	1.1	30
136	A Factor Analysis Approach for Clustering Patient Reported Outcomes. Methods of Information in Medicine, 2016, 55, 431-439.	0.7	10
137	Breast cancer molecular subtype classifier that incorporates MRI features. Journal of Magnetic Resonance Imaging, 2016, 44, 122-129.	1.9	114
138	Modification and validation of an analytical source model for external beam radiotherapy Monte Carlo dose calculations. Medical Physics, 2016, 43, 4842-4853.	1.6	7
139	Transcriptional responses to ultraviolet and ionizing radiation: An approach based on graph curvature. , 2016, 2016, 1302-1306.		0
140	Urinary bladder doseâ€“response relationships for patient-reported genitourinary morbidity domains following prostate cancer radiotherapy. Radiotherapy and Oncology, 2016, 119, 117-122.	0.3	23
141	Functional Data Analysis Applied to Modeling of Severe Acute Mucositis and Dysphagia Resulting From Head and Neck Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2016, 96, 820-831.	0.4	14
142	Automatic detection and tracking of longitudinal changes of multiple bone metastases from dual energy CT. , 2016, 2016, 168-171.		1
143	Quantitative apparent diffusion coefficient measurement obtained by 3.0Tesla MRI as a potential noninvasive marker of tumor aggressiveness in breast cancer. European Journal of Radiology, 2016, 85, 1651-1658.	1.2	42
144	Multiâ€institutional validation of a novel textural analysis tool for preoperative stratification of suspected thyroid tumors on diffusionâ€weighted MRI. Magnetic Resonance in Medicine, 2016, 75, 1708-1716.	1.9	50

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145	A multiple-image-based method to evaluate the performance of deformable image registration in the pelvis. Physics in Medicine and Biology, 2016, 61, 6172-6180.	1.6	4
146	How Can We Effect Culture Change Toward Data-Driven Medicine?. International Journal of Radiation Oncology Biology Physics, 2016, 95, 916-921.	0.4	13
147	A Voxel-Based Approach to Explore Local Dose Differences Associated With Radiation-Induced Lung Damage. International Journal of Radiation Oncology Biology Physics, 2016, 96, 127-133.	0.4	40
148	Adaptation, Commissioning, and Evaluation of a 3D Treatment Planning System for High-Resolution Small-Animal Irradiation. Technology in Cancer Research and Treatment, 2016, 15, 460-471.	0.8	6
149	Predictors of acute toxicities during definitive chemoradiation using intensity-modulated radiotherapy for anal squamous cell carcinoma. Acta OncolÃ³gica, 2016, 55, 208-216.	0.8	27
150	Dose-volume factors correlating with trismus following chemoradiation for head and neck cancer. Acta OncolÃ³gica, 2016, 55, 99-104.	0.8	36
151	A literature mining-based approach for identification of cellular pathways associated with chemoresistance in cancer. Briefings in Bioinformatics, 2016, 17, 468-478.	3.2	9
152	Treatment planning evaluation and optimization should be biologically and not dose/volume based. Medical Physics, 2015, 42, 2753-2756.	1.6	18
153	Response and Rebuttal to Editorial Comment on â€œRadiation Dose to the Penile Structures and Patient-Reported Sexual Dysfunction in Long-Term Prostate Cancer Survivorsâ€• Journal of Sexual Medicine, 2015, 12, 2400.	0.3	0
154	Breast cancer subtype intertumor heterogeneity: MRIâ€based features predict results of a genomic assay. Journal of Magnetic Resonance Imaging, 2015, 42, 1398-1406.	1.9	119
155	Visual Analysis of the Daily QA Results of Photon and Electron Beams of a Trilogy Linac over a Five-Year Period. International Journal of Medical Physics, Clinical Engineering and Radiation Oncology, 2015, 04, 290-299.	0.3	19
156	Predicting radiation-induced valvular heart damage. Acta OncolÃ³gica, 2015, 54, 1796-1804.	0.8	30
157	Automatic assessment of average diaphragm motion trajectory from 4DCT images through machine learning. Biomedical Physics and Engineering Express, 2015, 1, 045015.	0.6	13
158	Radiation Dose to the Penile Structures and Patient-Reported Sexual Dysfunction in Long-Term Prostate Cancer Survivors. Journal of Sexual Medicine, 2015, 12, 2388-2397.	0.3	10
159	The Prediction of Radiotherapy Toxicity Using Single Nucleotide Polymorphismâ€'Based Models: A Step Toward Prevention. Seminars in Radiation Oncology, 2015, 25, 281-291.	1.0	52
160	Dosimetric Predictors of Radiation-Induced Vaginal Stenosis After Pelvic Radiation Therapy for Rectal and Anal Cancer. International Journal of Radiation Oncology Biology Physics, 2015, 92, 548-554.	0.4	43
161	Using Diffusion-Weighted MRI to Predict Aggressive Histological Features in Papillary Thyroid Carcinoma: A Novel Tool for Pre-Operative Risk Stratification in Thyroid Cancer. Thyroid, 2015, 25, 672-680.	2.4	33
162	A Validated Prediction Model for Overall Survival From Stage III Non-Small Cell Lung Cancer: Toward Survival Prediction for Individual Patients. International Journal of Radiation Oncology Biology Physics, 2015, 92, 935-944.	0.4	83

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163	Sparing the region of the salivary gland containing stem cells preserves saliva production after radiotherapy for head and neck cancer. Science Translational Medicine, 2015, 7, 305ra147.	5.8	165
164	Simultaneous segmentation and iterative registration method for computing ADC with reduced artifacts from DWâ€MRI. Medical Physics, 2015, 42, 2249-2260.	1.6	10
165	Feasibility of In Situ, High-Resolution Correlation of Tracer Uptake with Histopathology by Quantitative Autoradiography of Biopsy Specimens Obtained Under ¹⁸F-FDG PET/CT Guidance. Journal of Nuclear Medicine, 2015, 56, 538-544.	2.8	28
166	Relationships between dose to the gastro-intestinal tract and patient-reported symptom domains after radiotherapy for localized prostate cancer. Acta OncolÃ³gica, 2015, 54, 1326-1334.	0.8	32
167	Automatic classification of prostate cancer Gleason scores from multiparametric magnetic resonance images. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6265-73.	3.3	322
168	Reverse-Contrast Imaging and Targeted Radiation Therapy of Advanced Pancreatic Cancer Models. International Journal of Radiation Oncology Biology Physics, 2015, 93, 444-453.	0.4	12
169	Qualitative Evaluation of Fiducial Markers for Radiotherapy Imaging. Technology in Cancer Research and Treatment, 2015, 14, 298-304.	0.8	48
170	Repeatability Investigation of Reduced Field-of-View Diffusion-Weighted Magnetic Resonance Imaging on Thyroid Glands. Journal of Computer Assisted Tomography, 2015, 39, 1.	0.5	26
171	Advancing our quantitative understanding of radiotherapy normal tissue morbidity. Acta OncolÃ³gica, 2014, 53, 577-579.	0.8	8
172	Clinical and dosimetric predictors of acute hematologic toxicity in rectal cancer patients undergoing chemoradiotherapy. Radiotherapy and Oncology, 2014, 113, 29-34.	0.3	47
173	Modeling the Relationship between Fluorodeoxyglucose Uptake and Tumor Radioresistance as a Function of the Tumor Microenvironment. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-7.	0.7	6
174	Predictive Treatment Management: Incorporating a Predictive Tumor Response Model Into Robust Prospective Treatment Planning for Non-Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2014, 88, 446-452.	0.4	30
175	Estimate of the impact of FDG-avidity on the dose required for head and neck radiotherapy local control. Radiotherapy and Oncology, 2014, 111, 340-347.	0.3	38
176	Improvement in toxicity in high risk prostate cancer patients treated with image-guided intensity-modulated radiotherapy compared to 3D conformal radiotherapy without daily image guidance. Radiation Oncology, 2014, 9, 44.	1.2	93
177	Modeling positioning uncertainties of prostate cancer external beam radiation therapy using pre-treatment data. Radiotherapy and Oncology, 2014, 110, 251-255.	0.3	10
178	The distance discordance metricâ€"a novel approach to quantifying spatial uncertainties in intra- and inter-patient deformable image registration. Physics in Medicine and Biology, 2014, 59, 733-746.	1.6	30
179	SITDEM: A simulation tool for disease/endpoint models of association studies based on single nucleotide polymorphism genotypes. Computers in Biology and Medicine, 2014, 45, 136-142.	3.9	1
180	STROGAR â€“ STrengthening the Reporting Of Genetic Association studies in Radiogenomics. Radiotherapy and Oncology, 2014, 110, 182-188.	0.3	59

#	Article	IF	Citations
181	Intravoxel incoherent motion diffusionâ€weighted MRI at 3.0 T differentiates malignant breast lesions from benign lesions and breast parenchyma. Journal of Magnetic Resonance Imaging, 2014, 40, 813-823.	1.9	95
182	Inference of radio-responsive gene regulatory networks using the graphical lasso algorithm. BMC Bioinformatics, 2014, 15, S5.	1.2	15
183	Impact of Dose to the Bladder Trigone on Long-Term Urinary Function After High-Dose Intensity Modulated Radiation Therapy for Localized Prostate Cancer. International Journal of Radiation Oncology Biology Physics, 2014, 88, 339-344.	0.4	122
184	In Regard to Brown etÂal. International Journal of Radiation Oncology Biology Physics, 2014, 89, 692-693.	0.4	10
185	Complication Probability Models for Radiation-Induced Heart Valvular Dysfunction: Do Heart-Lung Interactions Play a Role?. PLoS ONE, 2014, 9, e111753.	1.1	39
186	Dose/volumeâ€“response relations for rectal morbidity using planned and simulated motion-inclusive dose distributions. Radiotherapy and Oncology, 2013, 109, 388-393.	0.3	24
187	Improved Long-Term Outcomes With IMRT: Is It Better Technology or Better Physics?. International Journal of Radiation Oncology Biology Physics, 2013, 87, 867-868.	0.4	2
188	Patterns and Predictors of Amelioration of Genitourinary Toxicity After High-dose Intensity-modulated Radiation Therapy for Localized Prostate Cancer: Implications for Defining Postradiotherapy Urinary Toxicity. European Urology, 2013, 64, 931-938.	0.9	38
189	Statistical simulations to estimate motion-inclusive dose-volume histograms for prediction of rectal morbidity following radiotherapy. Acta OncolÃ³gica, 2013, 52, 666-675.	0.8	18
190	Comparing Primary Tumors and Metastatic Nodes in Head and Neck Cancer Using Intravoxel Incoherent Motion Imaging. Journal of Computer Assisted Tomography, 2013, 37, 346-352.	0.5	42
191	SU-E-J-87: Improvements to the Computational Environment for Radiotherapy Research. Medical Physics, 2013, 40, 170-170.	1.6	0
192	The use and QA of biologically related models for treatment planning: Short report of the TG-166 of the therapy physics committee of the AAPM. Medical Physics, 2012, 39, 1386-1409.	1.6	203
193	Modeling the Risk of Radiation-Induced Acute Esophagitis for Combined Washington University and RTOG Trial 93-11 Lung Cancer Patients. International Journal of Radiation Oncology Biology Physics, 2012, 82, 1674-1679.	0.4	57
194	Treatment Planning Constraints to Avoid Xerostomia in Head-and-Neck Radiotherapy: An Independent Test of QUANTEC Criteria Using a Prospectively Collected Dataset. International Journal of Radiation Oncology Biology Physics, 2012, 82, 1108-1114.	0.4	55
195	A Research Agenda for Radiation Oncology: Results of the Radiation Oncology Instituteâ€™s Comprehensive Research Needs Assessment. International Journal of Radiation Oncology Biology Physics, 2012, 84, 318-322.	0.4	23
196	Survival Among Men With Clinically Localized Prostate Cancer Treated With Radical Prostatectomy or Radiation Therapy in the Prostate Specific Antigen Era. Journal of Urology, 2012, 187, 1259-1265.	0.2	119
197	Motion Correction of Multi-b-value Diffusion-weighted Imaging in the Liver. Academic Radiology, 2012, 19, 1573-1580.	1.3	33
198	A Bioinformatics Filtering Strategy for Identifying Radiation Response Biomarker Candidates. PLoS ONE, 2012, 7, e38870.	1.1	17

#	Article	IF	Citations
199	SUâ€Eâ€Jâ€92: CERR: New Tools to Analyze Image Registration Precision. Medical Physics, 2012, 39, 3673-3673.	1.6	1
200	Technical Note: <scp>DIRART</scp> â€“ A software suite for deformable image registration and adaptive radiotherapy research. Medical Physics, 2011, 38, 67-77.	1.6	82
201	A Bioinformatics Approach for Biomarker Identification in Radiation-Induced Lung Inflammation from Limited Proteomics Data. Journal of Proteome Research, 2011, 10, 1406-1415.	1.8	46
202	Advanced Technologies in the Radiotherapy Clinic: System Fundamentals. Frontiers of Radiation Therapy and Oncology, 2011, 43, 29-59.	1.4	2
203	A Bayesian network approach for modeling local failure in lung cancer. Physics in Medicine and Biology, 2011, 56, 1635-1651.	1.6	54
204	Heart irradiation as a risk factor for radiation pneumonitis. Acta OncolÃ³gica, 2011, 50, 51-60.	0.8	125
205	Technical Note: Deformable image registration on partially matched images for radiotherapy applications. Medical Physics, 2010, 37, 141-145.	1.6	15
206	Predicting Local Failure in Lung Cancer Using Bayesian Networks. , 2010, , .		1
207	Radiation Doseâ€“Volume Effects and the Penile Bulb. International Journal of Radiation Oncology Biology Physics, 2010, 76, S130-S134.	0.4	131
208	Improving Normal Tissue Complication Probability Models: The Need to Adopt a â€œData-Poolingâ€• Culture. International Journal of Radiation Oncology Biology Physics, 2010, 76, S151-S154.	0.4	101
209	Modeling radiation-induced lung injury risk with an ensemble of support vector machines. Neurocomputing, 2010, 73, 1861-1867.	3.5	11
210	Radiation Doseâ€“Volume Effects in Radiation-Induced Rectal Injury. International Journal of Radiation Oncology Biology Physics, 2010, 76, S123-S129.	0.4	621
211	Radiation Dose-Volume Effects in the Esophagus. International Journal of Radiation Oncology Biology Physics, 2010, 76, S86-S93.	0.4	231
212	Radiotherapy Doseâ€“Volume Effects on Salivary Gland Function. International Journal of Radiation Oncology Biology Physics, 2010, 76, S58-S63.	0.4	462
213	Radiation Doseâ€“Volume Effects in the Lung. International Journal of Radiation Oncology Biology Physics, 2010, 76, S70-S76.	0.4	878
214	Accurate Accumulation of Dose for Improved Understanding of Radiation Effects in Normal Tissue. International Journal of Radiation Oncology Biology Physics, 2010, 76, S135-S139.	0.4	139
215	Use of Normal Tissue Complication Probability Models in the Clinic. International Journal of Radiation Oncology Biology Physics, 2010, 76, S10-S19.	0.4	1,376
216	The Lessons of QUANTEC: Recommendations for Reporting and Gathering Data on Doseâ€“Volume Dependencies of Treatment Outcome. International Journal of Radiation Oncology Biology Physics, 2010, 76, S155-S160.	0.4	171

#	Article	IF	Citations
217	Biomarkers and Surrogate Endpoints for Normal-Tissue Effects of Radiation Therapy: The Importance of Doseâ€“Volume Effects. International Journal of Radiation Oncology Biology Physics, 2010, 76, S145-S150.	0.4	69
218	Quantitative Analyses of Normal Tissue Effects in the Clinic (QUANTEC): An Introduction to the Scientific Issues. International Journal of Radiation Oncology Biology Physics, 2010, 76, S3-S9.	0.4	879
219	Datamining approaches for modeling tumor control probability. Acta OncolÃ³gica, 2010, 49, 1363-1373.	0.8	48
220	A MicroRNA Expression Signature for Cervical Cancer Prognosis. Cancer Research, 2010, 70, 1441-1448.	0.4	294
221	Development, external validation and clinical usefulness of a practical prediction model for radiation-induced dysphagia in lung cancer patients. Radiotherapy and Oncology, 2010, 97, 455-461.	0.3	70
222	Normal Tissue Complication Probability (NTCP) modeling of late rectal bleeding following external beam radiotherapy for prostate cancer: A Test of the QUANTEC-recommended NTCP model. Acta OncolÃ³gica, 2010, 49, 1040-1044.	0.8	52
223	Bioinformatics Methods for Learning Radiation-Induced Lung Inflammation from Heterogeneous Retrospective and Prospective Data. Journal of Biomedicine and Biotechnology, 2009, 2009, 1-14.	3.0	17
224	Improving Clinical Relevance in Ensemble Support Vector Machine Models of Radiation Pneumonitis Risk. , 2009, , .		1
225	Predicting radiotherapy outcomes using statistical learning techniques. Physics in Medicine and Biology, 2009, 54, S9-S30.	1.6	70
226	Exploring feature-based approaches in PET images for predicting cancer treatment outcomes. Pattern Recognition, 2009, 42, 1162-1171.	5.1	424
227	Deformable registration of abdominal kilovoltage treatment planning CT and tomotherapy daily megavoltage CT for treatment adaptation. Medical Physics, 2009, 36, 329-338.	1.6	42
228	4Dâ€CT motion estimation using deformable image registration and 5D respiratory motion modeling. Medical Physics, 2008, 35, 4577-4590.	1.6	88
229	A fast inverse consistent deformable image registration method based on symmetric optical flow computation. Physics in Medicine and Biology, 2008, 53, 6143-6165.	1.6	91
230	Current role of PET in oncology: Potentials and challenges in the management of non-small cell lung cancer. , 2008, , .		1
231	Geometric interpretation of the dose distribution comparison technique: Interpolationâ€free calculation. Medical Physics, 2008, 35, 879-887.	1.6	61
232	Image-Based Modeling of Normal Tissue Complication Probability for Radiation Therapy. Cancer Treatment and Research, 2008, , 211-252.	0.2	13
233	Nonlinear Kernel-Based Approaches for Predicting Normal Tissue Toxicities. , 2008, , .		10
234	Feasibility of small animal cranial irradiation with the microRT system. Medical Physics, 2008, 35, 4735-4743.	1.6	33

#	Article	IF	Citations
235	Decision Fusion of Machine Learning Models to Predict Radiotherapy-Induced Lung Pneumonitis. , 2008, , .		5
236	A fast inverse consistent deformable image registration method based on symmetric optical flow computation. , 2008, , .		3
237	Combining multiple models to generate consensus: Application to radiationâ€induced pneumonitis prediction. Medical Physics, 2008, 35, 5098-5109.	1.6	42
238	Image-based modeling of normal tissue complication probability for radiation therapy. Cancer Treatment and Research, 2008, 139, 215-56.	0.2	16
239	Level set motion assisted non-rigid 3D image registration. , 2007, , .		2
240	Automated Estimation of the Biophysical Target for Radiotherapy Treatment Planning using Multimodality Image Analysis. , 2007, , .		1
241	Concurrent multimodality image segmentation by active contours for radiotherapy treatment	1.6	107
242	IMRT treatment planning based on prioritizing prescription goals. Physics in Medicine and Biology, 2007, 52, 1675-1692.	1.6	71
243	Obstacles and Advances in Intensity-Modulated Radiation Therapy Treatment Planning. , 2007, 40, 42-58.		11
244	A Nomogram to Predict Radiation Pneumonitis, Derived From a Combined Analysis of RTOG 9311 and Institutional Data. International Journal of Radiation Oncology Biology Physics, 2007, 69, 985-992.	0.4	157
245	A prospective study of differences in duodenum compared to remaining small bowel motion between radiation treatments: Implications for radiation dose escalation in carcinoma of the pancreas. Radiation Oncology, 2006, 1, 33.	1.2	26
246	Multivariable modeling of radiotherapy outcomes, including doseâ€“volume and clinical factors. International Journal of Radiation Oncology Biology Physics, 2006, 64, 1275-1286.	0.4	152
247	Modeling radiation pneumonitis risk with clinical, dosimetric, and spatial parameters. International Journal of Radiation Oncology Biology Physics, 2006, 65, 112-124.	0.4	186
248	Optimization of the temporal pattern of radiation: An IMRT based study. International Journal of Radiation Oncology Biology Physics, 2006, 66, 898-905.	0.4	24
249	Retrospective Monte Carlo dose calculations with limited beam weight information. Medical Physics, 2006, 34, 334-346.	1.6	17
250	Deblurring of breathing motion artifacts in thoracic PET images by deconvolution methods. Medical Physics, 2006, 33, 3587-3600.	1.6	57
251	Progress toward a microradiation therapy small animal conformal irradiator. Medical Physics, 2006, 33, 3834-3845.	1.6	49
252	Doseâ€“volume modeling of salivary function in patients with head-and-neck cancer receiving radiotherapy. International Journal of Radiation Oncology Biology Physics, 2005, 62, 1055-1069.	0.4	242

#	Article	IF	Citations
253	Intensity-modulated radiation therapy for oropharyngeal carcinoma: impact of tumor volume. International Journal of Radiation Oncology Biology Physics, 2004, 59, 43-50.	0.4	227
254	Dosimetric correlates for acute esophagitis in patients treated with radiotherapy for lung carcinoma. International Journal of Radiation Oncology Biology Physics, 2004, 58, 1106-1113.	0.4	139
255	A treatment planning study comparing HDR and AGIMRT for cervical cancer. Medical Physics, 2004, 31, 734-743.	1.6	35
256	Beamlet dose distribution compression and reconstruction using wavelets for intensity modulated treatment planning. Medical Physics, 2004, 31, 368-375.	1.6	15
257	Automated 4D lung computed tomography reconstruction during free breathing for conformal radiation therapy. , 2004, , .		4
258	Operations research applied to radiotherapy, an NCI-NSFâ€“sponsored workshop February 7â€“9, 2002. International Journal of Radiation Oncology Biology Physics, 2003, 57, 762-768.	0.4	28
259	CERR: A computational environment for radiotherapy research. Medical Physics, 2003, 30, 979-985.	1.6	719
260	Absence of multiple local minima effects in intensity modulated optimization with doseÂvolume constraints. Physics in Medicine and Biology, 2003, 48, 183-210.	1.6	57
261	Beyond bixels: Generalizing the optimization parameters for intensity modulated radiation therapy. Medical Physics, 2002, 29, 2298-2304.	1.6	12
262	Methodological issues in radiation dose-volume outcome analyses: Summary of a joint AAPM/NIH workshop. Medical Physics, 2002, 29, 2109-2127.	1.6	56
263	The generalized equivalent uniform dose function as a basis for intensity-modulated treatment planning. Physics in Medicine and Biology, 2002, 47, 3579-3589.	1.6	92
264	Accelerating Monte Carlo simulations of radiation therapy dose distributions using wavelet threshold de-noising. Medical Physics, 2002, 29, 2366-2373.	1.6	28
265	A prospective study of salivary function sparing in patients with head-and-neck cancers receiving intensity-modulated or three-dimensional radiation therapy: initial results. International Journal of Radiation Oncology Biology Physics, 2001, 49, 907-916.	0.4	549
266	Partial tumor boosts: even more attractive than theory predicts?. International Journal of Radiation Oncology Biology Physics, 2001, 51, 279-280.	0.4	22
267	Uncertainties in model-based outcome predictions for treatment planning. International Journal of Radiation Oncology Biology Physics, 2001, 51, 1389-1399.	0.4	32
268	Comments. International Journal of Radiation Oncology Biology Physics, 2000, 47, 1458-1459.	0.4	27
269	Denoising of electron beam Monte Carlo dose distributions using digital filtering techniques. Physics in Medicine and Biology, 2000, 45, 1765-1779.	1.6	24
270	An investigation of tomotherapy beam delivery. Medical Physics, 1997, 24, 425-436.	1.6	121

#	Article	IF	Citations
271	Multiple local minima in radiotherapy optimization problems with dose-volume constraints. Medical Physics, 1997, 24, 1157-1161.	1.6	124
272	Tomotherapy: A new concept for the delivery of dynamic conformal radiotherapy. Medical Physics, 1993, 20, 1709-1719.	1.6	931