

Eduardo G Moros

List of Publications by Year in descending order

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Version: 2024-02-01

260
papers

6,501
citations

76031

42
h-index

107981

68
g-index

264
all docs

264
docs citations

264
times ranked

7084
citing authors

#	ARTICLE	IF	CITATIONS
1	Maintaining dosimetric quality when switching to a Monte Carlo dose engine for head and neck volumetricâ€modulated arc therapy planning. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13572.	0.8	5
2	Heat-induced SIRT1-mediated H4K16ac deacetylation impairs resection and SMARCAD1 recruitment to double strand breaks. <i>IScience</i> , 2022, 25, 104142.	1.9	8
3	Head and Neck Tumor Control Probability: Radiation Doseâ€Volume Effects in Stereotactic Body Radiation Therapy for Locally Recurrent Previously-Irradiated Head and Neck Cancer: Report of the AAPM Working Group. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 137-146.	0.4	37
4	Responses to the 2018 and 2019 â€œOne Big Discoveryâ€ Question: ASTRO Membershipâ€™s Opinions on the Most Important Research Question Facing Radiation Oncologyâ€ Where Are We Headed?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 38-40.	0.4	4
5	Pretreatment CT and ^{18F} FDG PETâ€based radiomic model predicting pathological complete response and locoâ€regional control following neoadjuvant chemoradiation in oesophageal cancer. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2021, 65, 102-111.	0.9	22
6	Unlocking a closed system: dosimetric commissioning of a ring gantry linear accelerator in a multivendor environment. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 21-34.	0.8	5
7	Pretreatment CT and PET Radiomics Predicting Rectal Cancer Patients in Response to Neoadjuvant Chemoradiotherapy. <i>Reports of Practical Oncology and Radiotherapy</i> , 2021, 26, 29-34.	0.3	9
8	Lipophilicity Determines Routes of Uptake and Clearance, and Toxicity of an Alpha-Particle-Emitting Peptide Receptor Radiotherapy. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 953-965.	2.5	7
9	Magnetic resonance biomarkers in radiation oncology: The report of AAPM Task Group 294. <i>Medical Physics</i> , 2021, 48, e697-e732.	1.6	16
10	AAPM Task Group 241: A medical physicistâ€™s guide to MRIâ€guided focused ultrasound body systems. <i>Medical Physics</i> , 2021, 48, e772-e806.	1.6	9
11	Forecasting Individual Patient Response to Radiation Therapy in Head and Neck Cancer With a Dynamic Carrying Capacity Model. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 693-704.	0.4	31
12	Dynamics-Adapted Radiotherapy Dose (DARD) for Head and Neck Cancer Radiotherapy Dose Personalization. <i>Journal of Personalized Medicine</i> , 2021, 11, 1124.	1.1	16
13	The importance of dead material within a tumour on the dynamics in response to radiotherapy. <i>Physics in Medicine and Biology</i> , 2020, 65, 015007.	1.6	17
14	Biodistribution and Multicompartment Pharmacokinetic Analysis of a Targeted α Particle Therapy. <i>Molecular Pharmaceutics</i> , 2020, 17, 4180-4188.	2.3	4
15	CTâ€based radiomic features to predict pathological response in rectal cancer: A retrospective cohort study. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2020, 64, 444-449.	0.9	20
16	A three phase model to investigate the effects of dead material on the growth of avascular tumours. <i>Mathematical Modelling of Natural Phenomena</i> , 2020, 15, 22.	0.9	15
17	Deep Feature Stability Analysis Using CT Images of a Physical Phantom across Scanner Manufacturers, Cartridges, Pixel Sizes, and Slice Thickness. <i>Tomography</i> , 2020, 6, 250-260.	0.8	6
18	Integrating Mathematical Modeling into the Roadmap for Personalized Adaptive Radiation Therapy. <i>Trends in Cancer</i> , 2019, 5, 467-474.	3.8	43

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19	Radiomic assessment of the progression of acoustic neuroma after gamma knife stereotactic radiosurgery. <i>Journal of Solid Tumors</i> , 2019, 9, 1.	0.1	2
20	Comprehensive evaluation of the high-resolution diode array for SRS dosimetry. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 13-23.	0.8	35
21	Composite Pretreatment CT and 18F-FDG PET Radiomic-Based Prediction of Pathological Response of Rectal Cancer Patients Treated with Neoadjuvant Chemoradiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, E177.	0.4	1
22	A Monte Carlo Method for Determining the Response Relationship between Two Commonly Used Detectors to Indirectly Measure Alpha Particle Radiation Activity. <i>Molecules</i> , 2019, 24, 3397.	1.7	10
23	A Method to Determine the Coincidence of MRI-Guided Linac Radiation and Magnetic Isocenters. <i>Technology in Cancer Research and Treatment</i> , 2019, 18, 153303381987798.	0.8	14
24	Analysis of the 2017 American Society for Radiation Oncology (ASTRO) Research Portfolio. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 297-304.	0.4	5
25	The 2019 mathematical oncology roadmap. <i>Physical Biology</i> , 2019, 16, 041005.	0.8	147
26	Proliferation saturation index in an adaptive Bayesian approach to predict patient-specific radiotherapy responses. <i>International Journal of Radiation Biology</i> , 2019, 95, 1421-1426.	1.0	24
27	Melanocortin 1 Receptor-Targeted α -Particle Therapy for Metastatic Uveal Melanoma. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1124-1133.	2.8	31
28	The ASTRO Research Portfolio: Where Do We Go From Here?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 308-309.	0.4	1
29	Development of Targeted Alpha Particle Therapy for Solid Tumors. <i>Molecules</i> , 2019, 24, 4314.	1.7	82
30	Investigating multi-radiomic models for enhancing prediction power of cervical cancer treatment outcomes. <i>Physica Medica</i> , 2018, 46, 180-188.	0.4	34
31	The Evolution of Tumour Composition During Fractionated Radiotherapy: Implications for Outcome. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 1207-1235.	0.9	45
32	Predicting Patient-Specific Radiotherapy Protocols Based on Mathematical Model Choice for Proliferation Saturation Index. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 1195-1206.	0.9	28
33	Integral dose based inverse optimization objective function promises lower toxicity in head-and-neck. <i>Physica Medica</i> , 2018, 54, 77-83.	0.4	2
34	Responses to the 2017 "1 Million Gray Question": ASTRO Membership's Opinions on the Most Important Research Question Facing Radiation Oncology. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 249-250.	0.4	1
35	Practical quantification of image registration accuracy following the AAPM TG132 report framework. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 125-133.	0.8	20
36	Immune interconnectivity of anatomically distant tumors as a potential mediator of systemic responses to local therapy. <i>Scientific Reports</i> , 2018, 8, 9474.	1.6	34

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37	Voxel size and gray level normalization of CT radiomic features in lung cancer. Scientific Reports, 2018, 8, 10545.	1.6	150
38	A hybrid volumetric dose verification method for single-isocenter multiple-target cranial SRS. Journal of Applied Clinical Medical Physics, 2018, 19, 651-658.	0.8	12
39	Measuring temporal stability of positron emission tomography standardized uptake value bias using long-lived sources in a multicenter network. Journal of Medical Imaging, 2018, 5, 1.	0.8	7
40	Big Data Approaches to Improve Stereotactic Body Radiation Therapy (SBRT) Outcomes. Advances in Medical Diagnosis, Treatment, and Care, 2018, , 94-113.	0.1	0
41	Stability of deep features across CT scanners and field of view using a physical phantom. , 2018, , .		1
42	Advanced Small Animal Conformal Radiation Therapy Device. Technology in Cancer Research and Treatment, 2017, 16, 45-56.	0.8	23
43	Intrinsic dependencies of <sc>CT</sc> radiomic features on voxel size and number of gray levels. Medical Physics, 2017, 44, 1050-1062.	1.6	428
44	Imaging features from pretreatment <sc>CT</sc> scans are associated with clinical outcomes in non-small-cell lung cancer patients treated with stereotactic body radiotherapy. Medical Physics, 2017, 44, 4341-4349.	1.6	53
45	The future of personalised radiotherapy for head and neck cancer. Lancet Oncology, The, 2017, 18, e266-e273.	5.1	168
46	Development and testing of a database of NIH research funding of AAPM members: A report from the AAPM Working Group for the Development of a Research Database (WGDRD). Medical Physics, 2017, 44, 1590-1601.	1.6	13
47	Validation of a <sc>GPU</sc>-Based 3D dose calculator for modulated beams. Journal of Applied Clinical Medical Physics, 2017, 18, 73-82.	0.8	12
48	A genome-based model for adjusting radiotherapy dose (GARD): a retrospective, cohort-based study. Lancet Oncology, The, 2017, 18, 202-211.	5.1	377
49	Study of Image Qualities From 6D Robot-Based CBCT Imaging System of Small Animal Irradiator. Technology in Cancer Research and Treatment, 2017, 16, 811-818.	0.8	4
50	Reproducibility of F18-FDG PET radiomic features for different cervical tumor segmentation methods, gray-level discretization, and reconstruction algorithms. Journal of Applied Clinical Medical Physics, 2017, 18, 32-48.	0.8	85
51	Precision of quantitative computed tomography texture analysis using image filtering. Medicine (United States), 2017, 96, e6993.	0.4	49
52	A method for <i>a priori</i> estimation of best feasible <sc>DVH</sc> for organs-at-risk: Validation for head and neck <sc>VMAT</sc> planning. Medical Physics, 2017, 44, 5486-5497.	1.6	48
53	Sensitivity of Image Features to Noise in Conventional and Respiratory-Gated PET/CT Images of Lung Cancer: Uncorrelated Noise Effects. Technology in Cancer Research and Treatment, 2017, 16, 595-608.	0.8	21
54	Fiducial markers coupled with 3D PET/CT offer more accurate radiation treatment delivery for locally advanced esophageal cancer. Endoscopy International Open, 2017, 05, E496-E504.	0.9	5

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55	CT imaging features associated with recurrence in non-small cell lung cancer patients after stereotactic body radiotherapy. <i>Radiation Oncology</i> , 2017, 12, 158.	1.2	63
56	Ventilation Series Similarity: A Study for Ventilation Calculation Using Deformable Image Registration and 4DCT to Avoid Motion Artifacts. <i>Contrast Media and Molecular Imaging</i> , 2017, 2017, 1-7.	0.4	1
57	On the dose to a moving target in stereotactic ablative body radiotherapy to lung tumors. <i>Journal of Physics: Conference Series</i> , 2017, 777, 012027.	0.3	0
58	Accounting for reconstruction kernel-induced variability in CT radiomic features using noise power spectra. <i>Journal of Medical Imaging</i> , 2017, 5, 1.	0.8	24
59	4DCT-Derived Ventilation Distribution Reproducibility Over Time. <i>Communications in Computer and Information Science</i> , 2017, , 56-66.	0.4	0
60	Multicenter survey of PET/CT protocol parameters that affect standardized uptake values. <i>Journal of Medical Imaging</i> , 2017, 5, 1.	0.8	1
61	Superficial and peripheral dose in compensator-based FFF beam IMRT. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 151-156.	0.8	1
62	Superficial and peripheral dose in compensator-based FFF beam IMRT. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 151-156.	0.8	1
63	Open access journals benefit authors from more affluent institutions. <i>Medical Physics</i> , 2016, 43, 5265-5267.	1.6	2
64	Initial evaluation of automated treatment planning software. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 331-346.	0.8	66
65	Validation of an improved helical diode array and dose reconstruction software using TG244 datasets and stringent dose comparison criteria. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 163-178.	0.8	8
66	Evaluation of the ^{135}Xe 4D CT ventilation calculation method using <i>in vivo</i> xenon CT ventilation data and comparison to other methods. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 550-560.	0.8	11
67	Proliferation Saturation Index Predicts Oropharyngeal Squamous Cell Cancer Gross Tumor Volume Reduction to Prospectively Identify Patients for Adaptive Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 903.	0.4	4
68	Effects of local irradiation combined with sunitinib on early remodeling, mitochondria, and oxidative stress in the rat heart. <i>Radiotherapy and Oncology</i> , 2016, 119, 259-264.	0.3	27
69	Abscopal Benefits of Localized Radiotherapy Depend on Activated T-cell Trafficking and Distribution between Metastatic Lesions. <i>Cancer Research</i> , 2016, 76, 1009-1018.	0.4	103
70	Fiducial markers vs. PET/CT for esophageal cancer GTV delineation for radiotherapy treatment planning using a standard SUV threshold and background uptake method.. <i>Journal of Clinical Oncology</i> , 2016, 34, 70-70.	0.8	1
71	WE-FG-BRA-10: Radiodosimetry of a Novel Alpha Particle Therapy Targeted to Uveal Melanoma: Absorbed Dose to Organs in Mice. <i>Medical Physics</i> , 2016, 43, 3825-3826.	1.6	0
72	Measurement-guided volumetric dose reconstruction for helical tomotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2015, 16, 302-321.	0.8	6

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73	Impact of dose on lung ventilation change calculated from 4D-CT using deformable image registration in lung cancer patients treated with SBRT. <i>Journal of Radiation Oncology</i> , 2015, 4, 265-270.	0.7	12
74	A proliferation saturation index to predict radiation response and personalize radiotherapy fractionation. <i>Radiation Oncology</i> , 2015, 10, 159.	1.2	93
75	Technical Note: Motionâ€”perturbation method applied to dosimetry of dynamic MLC target trackingâ€”A proofâ€”ofâ€”concept. <i>Medical Physics</i> , 2015, 42, 6147-6151.	1.6	2
76	Role of the bradykinin B2 receptor in a rat model of local heart irradiation. <i>International Journal of Radiation Biology</i> , 2015, 91, 634-642.	1.0	2
77	Variability of Image Features Computed from Conventional and Respiratory-Gated PET/CT Images of Lung Cancer. <i>Translational Oncology</i> , 2015, 8, 524-534.	1.7	110
78	Dose-mass inverse optimization for minimally moving thoracic lesions. <i>Physics in Medicine and Biology</i> , 2015, 60, 3927-3937.	1.6	3
79	A Tocotrienol-Enriched Formulation Protects against Radiation-Induced Changes in Cardiac Mitochondria without Modifying Late Cardiac Function or Structure. <i>Radiation Research</i> , 2015, 183, 357.	0.7	28
80	A robust power deposition scheme for tumors with large counter-current blood vessels during hyperthermia treatment. <i>Applied Thermal Engineering</i> , 2015, 89, 897-907.	3.0	7
81	A dosimetric comparison of volumetric modulated arc therapy with step-and-shoot intensity modulated radiation therapy for prostate cancer. <i>Practical Radiation Oncology</i> , 2015, 5, 11-15.	1.1	24
82	Abstract A18: A systems biology approach to predict immunotherapy augmented abscopal effects. , 2015, , .		0
83	Abstract A19: Systems biology approach predicts the diagnostic value of T effector: T regulatory cell ratio in clinical response to combined radiation/immunotherapy of high-risk soft tissue sarcoma. , 2015, , .		0
84	A Novel Technique for Image-Guided Local Heart Irradiation in the Rat. <i>TCRT Express</i> , 2014, 13, 593-603.	1.5	13
85	Mathematical Formulation of DMH-Based Inverse Optimization. <i>Frontiers in Oncology</i> , 2014, 4, 331.	1.3	2
86	Components of a hyperthermia clinic: Recommendations for staffing, equipment, and treatment monitoring. <i>International Journal of Hyperthermia</i> , 2014, 30, 1-5.	1.1	26
87	Motion as perturbation. II. Development of the method for dosimetric analysis of motion effects with fixed-gantry IMRT. <i>Medical Physics</i> , 2014, 41, 061704.	1.6	2
88	Cross-validation of two commercial methods for volumetric high-resolution dose reconstruction on a phantom for non-coplanar VMAT beams. <i>Radiotherapy and Oncology</i> , 2014, 110, 558-561.	0.3	17
89	Radiation-Induced Alterations in Mitochondria of the Rat Heart. <i>Radiation Research</i> , 2014, 181, 324.	0.7	48
90	Study of 201 Non-Small Cell Lung Cancer Patients Given Stereotactic Ablative Radiation Therapy Shows Local Control Dependence on Dose Calculation Algorithm. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 1108-1113.	0.4	61

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91	Roles of Sensory Nerves in the Regulation of Radiation-Induced Structural and Functional Changes in the Heart. International Journal of Radiation Oncology Biology Physics, 2014, 88, 167-174.	0.4	17
92	Monte Carlo comparison of superficial dose between flattening filter free and flattened beams. Physica Medica, 2014, 30, 503-508.	0.4	28
93	Monte Carlo Study of Radiation Dose Enhancement by Gadolinium in Megavoltage and High Dose Rate Radiotherapy. PLoS ONE, 2014, 9, e109389.	1.1	24
94	Fiducial-based image-guided radiotherapy for whole breast irradiation. Journal of Radiation Oncology, 2013, 2, 185-190.	0.7	3
95	Assessment of intact cervix motion using implanted fiducials in patients treated with helical tomotherapy with daily MVCT positioning. Journal of Radiation Oncology, 2013, 2, 323-329.	0.7	2
96	Effects of radiation on the epidermal growth factor receptor pathway in the heart. International Journal of Radiation Biology, 2013, 89, 539-547.	1.0	21
97	Effects of quantum noise in 4D-CT on deformable image registration and derived ventilation data. Physics in Medicine and Biology, 2013, 58, 7661-7672.	1.6	15
98	X-RAY COLLIMATOR DESIGN USING MONTE CARLO SIMULATIONS. Biomedical Engineering - Applications, Basis and Communications, 2013, 25, 1350054.	0.3	0
99	Experimentally studied dynamic dose interplay does not meaningfully affect target dose in VMAT SBRT lung treatments. Medical Physics, 2013, 40, 091710.	1.6	74
100	Is wax equivalent to tissue in electron conformal therapy planning? A Monte Carlo study of material approximation introduced dose difference. Journal of Applied Clinical Medical Physics, 2013, 14, 92-101.	0.8	7
101	Normalization of Ventilation Data from 4D-CT to Facilitate Comparison between Datasets Acquired at Different Times. PLoS ONE, 2013, 8, e84083.	1.1	7
102	Effects of Late Administration of Pentoxifylline and Tocotrienols in an Image-Guided Rat Model of Localized Heart Irradiation. PLoS ONE, 2013, 8, e68762.	1.1	29
103	TH-C-137-12: Comparison of Dose-Volume and Dose-Mass Inverse Optimization in NSCLC. Medical Physics, 2013, 40, 535-535.	1.6	0
104	SU-E-T-239: Implementation of QA Procedures and Their Effect On the Radiation Treatment Delivery Error Rate Over a 12 Year Period. Medical Physics, 2013, 40, 259-259.	1.6	0
105	SU-E-J-69: Normalization of Ventilation Data From 4D-CT for Comparison Before and After Treatment. Medical Physics, 2013, 40, 165-165.	1.6	0
106	SU-E-J-203: Texture Analysis of 3D and 4D PET/CT Images of Lung Cancer. Medical Physics, 2013, 40, 198-198.	1.6	0
107	TH-A-137-07: Local Control Differences for SBRT Lung Patients Planned with Pencil Beam Vs. Collapsed Cone Convolution Algorithms. Medical Physics, 2013, 40, 518-518.	1.6	0
108	SU-E-J-66: Effects of Noise in 4D-CT On Deformable Image Registration and Derived Ventilation Data. Medical Physics, 2013, 40, 165-165.	1.6	0

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109	Simultaneous radiotherapy and superficial hyperthermia for high-risk breast carcinoma: A randomised comparison of treatment sequelae in heated versus non-heated sectors of the chest wall hyperthermia. <i>International Journal of Hyperthermia</i> , 2012, 28, 583-590.	1.1	29
110	Spatially Fractionated Radiation Induces Cytotoxicity and Changes in Gene Expression in Bystander and Radiation Adjacent Murine Carcinoma Cells. <i>Radiation Research</i> , 2012, 177, 751-765.	0.7	64
111	Cardiac Inflammation after Local Irradiation Is Influenced by the Kallikrein-Kinin System. <i>Cancer Research</i> , 2012, 72, 4984-4992.	0.4	30
112	Biological Optimization in Volumetric Modulated Arc Radiotherapy for Prostate Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, 1292-1298.	0.4	11
113	Voxel-Based Dose Reconstruction for Total Body Irradiation With Helical TomoTherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, 1575-1583.	0.4	10
114	SonoKnife for ablation of neck tissue: In vivo verification of a computer layered medium model. <i>International Journal of Hyperthermia</i> , 2012, 28, 698-705.	1.1	0
115	Microbeam Radiation Therapy Alters Vascular Architecture and Tumor Oxygenation and is Enhanced by a Galectin-1 Targeted Anti-Angiogenic Peptide. <i>Radiation Research</i> , 2012, 177, 804-812.	0.7	54
116	VMAT QA: Measurement-guided 4D dose reconstruction on a patient. <i>Medical Physics</i> , 2012, 39, 4228-4238.	1.6	96
117	Static jaw collimation settings to minimize radiation dose to normal brain tissue during stereotactic radiosurgery. <i>Medical Dosimetry</i> , 2012, 37, 391-395.	0.4	2
118	SU-E-J-167: Optimal Number of Respiratory Phases in 4D PET for Radiotherapy Planning: Motion-Simulated Phantom Study. <i>Medical Physics</i> , 2012, 39, 3691-3691.	1.6	0
119	SU-E-J-187: Evaluation of the Effects of Dose on 4DCT-Calculated Lung Ventilation. <i>Medical Physics</i> , 2012, 39, 3695-3696.	1.6	1
120	SU-E-T-553: Dose-Mass Vs. Dose-Volume Optimization: A Phantom Study. <i>Medical Physics</i> , 2012, 39, 3832-3833.	1.6	0
121	SU-E-T-479: Skin Dose from Flattening Filter Free Beams: A Monte Carlo Investigation. <i>Medical Physics</i> , 2012, 39, 3815-3815.	1.6	1
122	Modelling millimetre wave propagation and absorption in a high resolution skin model: the effect of sweat glands. <i>Physics in Medicine and Biology</i> , 2011, 56, 1329-1339.	1.6	36
123	An alternating focused ultrasound system for thermal therapy studies in small animals. <i>Medical Physics</i> , 2011, 38, 1877-1887.	1.6	6
124	Thermal treatment planning for SonoKnife focused-ultrasound thermal treatment of head and neck cancers. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
125	Dual thermal ablation modality of solid tumors in a mouse model. , 2011, , .		0
126	Experimental characterization of a SonoKnife applicator. , 2011, , .		0

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127	Computed effects of sweat gland ducts on the propagation of 94 GHz waves in skin. Proceedings of SPIE, 2011, , .	0.8	0
128	SonoKnife: Feasibility of a lineâ€focussed ultrasound device for thermal ablation therapy. Medical Physics, 2011, 38, 4372-4385.	1.6	6
129	Clinical feasibility of TBI with helical tomotherapy. Bone Marrow Transplantation, 2011, 46, 929-935.	1.3	61
130	SU-C-BRB-01: Spatially Fractionated Radiation Therapy (GRID) Using a TomoTherapy Unit. Medical Physics, 2011, 38, 3369-3369.	1.6	2
131	WE-E-220-04: Focused Ultrasound Ablation of Tumour Hypoxic Tissue of Small Animals under PET and MRI Guidance. Medical Physics, 2011, 38, 3824-3824.	1.6	1
132	Abstract 1570: Thermal ablation improves oxygenation in remaining viable tumor. , 2011, , .		0
133	SU-E-T-537: A Dosimetric Study of Gafchromic EBT2 Film for Small Field Size Stereotactic Radiosurgery QA. Medical Physics, 2011, 38, 3612-3612.	1.6	0
134	SU-E-T-318: Using Monte Carlo in the Design of Small Animal Irradiator Collimators. Medical Physics, 2011, 38, 3560-3561.	1.6	0
135	WE-E-220-03: SonoKnife: Development, Testing and Treatment Planning. Medical Physics, 2011, 38, 3824-3824.	1.6	0
136	SU-E-I-15: CBCT Using a Robotic-Arm Based Small Animal Irradiation System. Medical Physics, 2011, 38, 3398-3399.	1.6	0
137	SU-E-T-802: Dosimetric Examination and Verification of Megavoltage Computed Tomography (MVCT) Based IMRT Treatment Planning with Helical TomoTherapy. Medical Physics, 2011, 38, 3675-3675.	1.6	0
138	SU-E-T-848: Dose Mass - Based IMRT Inverse Planning for Radiotherapy of Thoracic Cancer. Medical Physics, 2011, 38, 3686-3686.	1.6	0
139	SU-E-T-312: Development of a Rat Model of Radiation-Induced Heart Disease Using SACRTD. Medical Physics, 2011, 38, 3559-3559.	1.6	0
140	SU-E-T-572: Dose Mass Histogram (DMH) versus Dose Volume Histogram (DVH) for SBRT and Craniospinal Patients: What Can We Learn?. Medical Physics, 2011, 38, 3621-3621.	1.6	0
141	Electromagnetic and thermal evaluation of an applicator specialized to permit highâ€resolution nonâ€perturbing optical evaluation of cells being irradiated in the Wâ€band. Bioelectromagnetics, 2010, 31, 140-149.	0.9	3
142	37, 2351-2358.	1.6	35
143	Dosimetric Comparison of Helical Tomotherapy and Linac-IMRT Treatment Plans for Head and Neck Cancer Patients. Medical Dosimetry, 2010, 35, 264-268.	0.4	12
144	Evaluation of Spatially Fractionated Radiotherapy (GRID) and Definitive Chemoradiotherapy With Curative Intent for Locally Advanced Squamous Cell Carcinoma of the Head and Neck: Initial Response Rates and Toxicity. International Journal of Radiation Oncology Biology Physics, 2010, 76, 1369-1375.	0.4	78

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145	Lung Dose for Minimally Moving Thoracic Lesions Treated With Respiration Gating. International Journal of Radiation Oncology Biology Physics, 2010, 77, 285-291.	0.4	6
146	Doppler signals observed during high temperature thermal ablation are the result of boiling. International Journal of Hyperthermia, 2010, 26, 586-593.	1.1	10
147	Severe, short-duration (0â€“3 min) heat shocks (50â€“52Â°C) inhibit the repair of DNA damage. International Journal of Hyperthermia, 2010, 26, 67-78.	1.1	15
148	3-D in vitro estimation of temperature using the change in backscattered ultrasonic energy. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1724-1733.	1.7	36
149	Present and future technology for simultaneous superficial thermoradiotherapy of breast cancer. International Journal of Hyperthermia, 2010, 26, 699-709.	1.1	33
150	SU-GG-I-178: Numerical Simulations of the SonoKnife's Acoustic Edge. Medical Physics, 2010, 37, 3142-3142.	1.6	0
151	SUâ€“GGâ€“Tâ€“294: Quality Assurance for Small SRS Photon Field Using LUCY Phantom on BrainLab Iplan. Medical Physics, 2010, 37, 3253-3253.	1.6	0
152	WEâ€“Dâ€“201Câ€“04: SonoKnife â€” Feasibility of Lineâ€“Focused Ultrasound for Thermal Ablation. Medical Physics, 2010, 37, 3432-3432.	1.6	0
153	SUâ€“GGâ€“Tâ€“534: The Impact of Linac Static Jaw Setting on Dose Output from Small Field SRS/SRT Using an Addâ€“On Microâ€“Multileaf Collimator. Medical Physics, 2010, 37, 3310-3310.	1.6	0
154	SUâ€“GGâ€“Tâ€“299: A Digital QA Solution Using 2D Ion Chamber Array. Medical Physics, 2010, 37, 3254-3254.	1.6	0
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