

Eduardo G Moros

List of Publications by Year in descending order

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Version: 2024-02-01

260
papers

6,501
citations

66343
42
h-index

95266
68
g-index

264
all docs

264
docs citations

264
times ranked

6497
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. Journal of Applied Clinical Medical Physics, 2022, 23, e13572. | 1.9 | 5 |
| 2 | Heat-induced SIRT1-mediated H4K16ac deacetylation impairs resection and SMARCD1 recruitment to double strand breaks. IScience, 2022, 25, 104142. | 4.1 | 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. International Journal of Radiation Oncology Biology Physics, 2021, 110, 137-146. | 0.8 | 37 |
| 4 | Responses to the 2018 and 2019 â€One Big Discoveryâ€ Question: ASTRO Membershipâ€™s Opinions on the Most Important Research Question Facing Radiation Oncologyâ€ Where Are We Headed?. International Journal of Radiation Oncology Biology Physics, 2021, 109, 38-40. | 0.8 | 4 |
| 5 | Pretreatment CT and ¹⁸ Fâ€FDG PETâ€based radiomic model predicting pathological complete response and locoâ€regional control following neoadjuvant chemoradiation in oesophageal cancer. Journal of Medical Imaging and Radiation Oncology, 2021, 65, 102-111. | 1.8 | 22 |
| 6 | Unlocking a closed system: dosimetric commissioning of a ring gantry linear accelerator in a multivendor environment. Journal of Applied Clinical Medical Physics, 2021, 22, 21-34. | 1.9 | 5 |
| 7 | Pretreatment CT and PET Radiomics Predicting Rectal Cancer Patients in Response to Neoadjuvant Chemoradiotherapy. Reports of Practical Oncology and Radiotherapy, 2021, 26, 29-34. | 0.6 | 9 |
| 8 | Lipophilicity Determines Routes of Uptake and Clearance, and Toxicity of an Alpha-Particle-Emitting Peptide Receptor Radiotherapy. ACS Pharmacology and Translational Science, 2021, 4, 953-965. | 4.9 | 7 |
| 9 | Magnetic resonance biomarkers in radiation oncology: The report of AAPM Task Group 294. Medical Physics, 2021, 48, e697-e732. | 3.0 | 16 |
| 10 | AAPM Task Group 241: A medical physicistâ€™s guide to MRIâ€guided focused ultrasound body systems. Medical Physics, 2021, 48, e772-e806. | 3.0 | 9 |
| 11 | Forecasting Individual Patient Response to Radiation Therapy in Head and Neck Cancer With a Dynamic Carrying Capacity Model. International Journal of Radiation Oncology Biology Physics, 2021, 111, 693-704. | 0.8 | 31 |
| 12 | Dynamics-Adapted Radiotherapy Dose (DARD) for Head and Neck Cancer Radiotherapy Dose Personalization. Journal of Personalized Medicine, 2021, 11, 1124. | 2.5 | 16 |
| 13 | The importance of dead material within a tumour on the dynamics in response to radiotherapy. Physics in Medicine and Biology, 2020, 65, 015007. | 3.0 | 17 |
| 14 | Biodistribution and Multicompartment Pharmacokinetic Analysis of a Targeted Î± Particle Therapy. Molecular Pharmaceutics, 2020, 17, 4180-4188. | 4.6 | 4 |
| 15 | CTâ€based radiomic features to predict pathological response in rectal cancer: A retrospective cohort study. Journal of Medical Imaging and Radiation Oncology, 2020, 64, 444-449. | 1.8 | 20 |
| 16 | A three phase model to investigate the effects of dead material on the growth of avascular tumours. Mathematical Modelling of Natural Phenomena, 2020, 15, 22. | 2.4 | 15 |
| 17 | Deep Feature Stability Analysis Using CT Images of a Physical Phantom across Scanner Manufacturers, Cartridges, Pixel Sizes, and Slice Thickness. Tomography, 2020, 6, 250-260. | 1.8 | 6 |
| 18 | Integrating Mathematical Modeling into the Roadmap for Personalized Adaptive Radiation Therapy. Trends in Cancer, 2019, 5, 467-474. | 7.4 | 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. | 1.9 | 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. | 0.8 | 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. | 3.8 | 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. | 1.9 | 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. | 0.8 | 5 |
| 25 | The 2019 mathematical oncology roadmap. <i>Physical Biology</i> , 2019, 16, 041005. | 1.8 | 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. | 1.8 | 24 |
| 27 | Melanocortin 1 Receptor-Targeted α -Particle Therapy for Metastatic Uveal Melanoma. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1124-1133. | 5.0 | 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. | 0.8 | 1 |
| 29 | Development of Targeted Alpha Particle Therapy for Solid Tumors. <i>Molecules</i> , 2019, 24, 4314. | 3.8 | 82 |
| 30 | Investigating multi-radiomic models for enhancing prediction power of cervical cancer treatment outcomes. <i>Physica Medica</i> , 2018, 46, 180-188. | 0.7 | 34 |
| 31 | The Evolution of Tumour Composition During Fractionated Radiotherapy: Implications for Outcome. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 1207-1235. | 1.9 | 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. | 1.9 | 28 |
| 33 | Integral dose based inverse optimization objective function promises lower toxicity in head-and-neck. <i>Physica Medica</i> , 2018, 54, 77-83. | 0.7 | 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. | 0.8 | 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. | 1.9 | 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. | 3.3 | 34 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Voxel size and gray level normalization of CT radiomic features in lung cancer. Scientific Reports, 2018, 8, 10545. | 3.3 | 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. | 1.9 | 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. | 1.5 | 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. | 1.9 | 23 |
| 43 | Intrinsic dependencies of <sc>CT</sc> radiomic features on voxel size and number of gray levels. Medical Physics, 2017, 44, 1050-1062. | 3.0 | 428 |
| 44 | Imaging features from pretreatment <sc>CT</sc> scans are associated with clinical outcomes in nonsmall-cell lung cancer patients treated with stereotactic body radiotherapy. Medical Physics, 2017, 44, 4341-4349. | 3.0 | 53 |
| 45 | The future of personalised radiotherapy for head and neck cancer. Lancet Oncology, The, 2017, 18, e266-e273. | 10.7 | 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. | 3.0 | 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. | 1.9 | 12 |
| 48 | A genome-based model for adjusting radiotherapy dose (GARD): a retrospective, cohort-based study. Lancet Oncology, The, 2017, 18, 202-211. | 10.7 | 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. | 1.9 | 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. | 1.9 | 85 |
| 51 | Precision of quantitative computed tomography texture analysis using image filtering. Medicine (United States), 2017, 96, e6993. | 1.0 | 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. | 3.0 | 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. | 1.9 | 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. | 1.8 | 5 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | CT imaging features associated with recurrence in non-small cell lung cancer patients after stereotactic body radiotherapy. Radiation Oncology, 2017, 12, 158. | 2.7 | 63 |
| 56 | Ventilation Series Similarity: A Study for Ventilation Calculation Using Deformable Image Registration and 4DCT to Avoid Motion Artifacts. Contrast Media and Molecular Imaging, 2017, 2017, 1-7. | 0.8 | 1 |
| 57 | On the dose to a moving target in stereotactic ablative body radiotherapy to lung tumors. Journal of Physics: Conference Series, 2017, 777, 012027. | 0.4 | 0 |
| 58 | Accounting for reconstruction kernel-induced variability in CT radiomic features using noise power spectra. Journal of Medical Imaging, 2017, 5, 1. | 1.5 | 24 |
| 59 | 4DCT-Derived Ventilation Distribution Reproducibility Over Time. Communications in Computer and Information Science, 2017, , 56-66. | 0.5 | 0 |
| 60 | Multicenter survey of PET/CT protocol parameters that affect standardized uptake values. Journal of Medical Imaging, 2017, 5, 1. | 1.5 | 1 |
| 61 | Superficial and peripheral dose in compensator-based FFF beam IMRT. Journal of Applied Clinical Medical Physics, 2017, 18, 151-156. | 1.9 | 1 |
| 62 | Superficial and peripheral dose in compensator-based FFF beam IMRT. Journal of Applied Clinical Medical Physics, 2017, 18, 151-156. | 1.9 | 1 |
| 63 | Open access journals benefit authors from more affluent institutions. Medical Physics, 2016, 43, 5265-5267. | 3.0 | 2 |
| 64 | Initial evaluation of automated treatment planning software. Journal of Applied Clinical Medical Physics, 2016, 17, 331-346. | 1.9 | 66 |
| 65 | Validation of an improved helical diode array and dose reconstruction software using TG244 datasets and stringent dose comparison criteria. Journal of Applied Clinical Medical Physics, 2016, 17, 163-178. | 1.9 | 8 |
| 66 | Evaluation of the \hat{V} 4D CT ventilation calculation method using <i>in vivo</i> xenon CT ventilation data and comparison to other methods. Journal of Applied Clinical Medical Physics, 2016, 17, 550-560. | 1.9 | 11 |
| 67 | Proliferation Saturation Index Predicts Oropharyngeal Squamous Cell Cancer Gross Tumor Volume Reduction to Prospectively Identify Patients for Adaptive Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2016, 94, 903. | 0.8 | 4 |
| 68 | Effects of local irradiation combined with sunitinib on early remodeling, mitochondria, and oxidative stress in the rat heart. Radiotherapy and Oncology, 2016, 119, 259-264. | 0.6 | 27 |
| 69 | Abscopal Benefits of Localized Radiotherapy Depend on Activated T-cell Trafficking and Distribution between Metastatic Lesions. Cancer Research, 2016, 76, 1009-1018. | 0.9 | 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.. Journal of Clinical Oncology, 2016, 34, 70-70. | 1.6 | 1 |
| 71 | WE-FG-BRA-10: Radiodosimetry of a Novel Alpha Particle Therapy Targeted to Uveal Melanoma: Absorbed Dose to Organs in Mice. Medical Physics, 2016, 43, 3825-3826. | 3.0 | 0 |
| 72 | Measurement-guided volumetric dose reconstruction for helical tomotherapy. Journal of Applied Clinical Medical Physics, 2015, 16, 302-321. | 1.9 | 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. | 2.7 | 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. | 3.0 | 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. | 1.8 | 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. | 3.7 | 110 |
| 78 | Dose-mass inverse optimization for minimally moving thoracic lesions. <i>Physics in Medicine and Biology</i> , 2015, 60, 3927-3937. | 3.0 | 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. | 1.5 | 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. | 6.0 | 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. | 2.1 | 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. | 2.8 | 2 |
| 86 | Components of a hyperthermia clinic: Recommendations for staffing, equipment, and treatment monitoring. <i>International Journal of Hyperthermia</i> , 2014, 30, 1-5. | 2.5 | 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. | 3.0 | 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. | 0.6 | 17 |
| 89 | Radiation-Induced Alterations in Mitochondria of the Rat Heart. <i>Radiation Research</i> , 2014, 181, 324. | 1.5 | 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. | 0.8 | 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. | 0.8 | 17 |
| 92 | Monte Carlo comparison of superficial dose between flattening filter free and flattened beams. Physica Medica, 2014, 30, 503-508. | 0.7 | 28 |
| 93 | Monte Carlo Study of Radiation Dose Enhancement by Gadolinium in Megavoltage and High Dose Rate Radiotherapy. PLoS ONE, 2014, 9, e109389. | 2.5 | 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. | 1.8 | 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. | 3.0 | 15 |
| 98 | X-RAY COLLIMATOR DESIGN USING MONTE CARLO SIMULATIONS. Biomedical Engineering - Applications, Basis and Communications, 2013, 25, 1350054. | 0.6 | 0 |
| 99 | Experimentally studied dynamic dose interplay does not meaningfully affect target dose in VMAT SBRT lung treatments. Medical Physics, 2013, 40, 091710. | 3.0 | 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. | 1.9 | 7 |
| 101 | Normalization of Ventilation Data from 4D-CT to Facilitate Comparison between Datasets Acquired at Different Times. PLoS ONE, 2013, 8, e84083. | 2.5 | 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. | 2.5 | 29 |
| 103 | TH-C-137-12: Comparison of Dose-Volume and Dose-Mass Inverse Optimization in NSCLC. Medical Physics, 2013, 40, 535-535. | 3.0 | 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. | 3.0 | 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. | 3.0 | 0 |
| 106 | SU-E-J-203: Texture Analysis of 3D and 4D PET/CT Images of Lung Cancer. Medical Physics, 2013, 40, 198-198. | 3.0 | 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. | 3.0 | 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. | 3.0 | 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. International Journal of Hyperthermia, 2012, 28, 583-590. | 2.5 | 29 |
| 110 | Spatially Fractionated Radiation Induces Cytotoxicity and Changes in Gene Expression in Bystander and Radiation Adjacent Murine Carcinoma Cells. Radiation Research, 2012, 177, 751-765. | 1.5 | 64 |
| 111 | Cardiac Inflammation after Local Irradiation Is Influenced by the Kallikrein-Kinin System. Cancer Research, 2012, 72, 4984-4992. | 0.9 | 30 |
| 112 | Biological Optimization in Volumetric Modulated Arc Radiotherapy for Prostate Carcinoma. International Journal of Radiation Oncology Biology Physics, 2012, 82, 1292-1298. | 0.8 | 11 |
| 113 | Voxel-Based Dose Reconstruction for Total Body Irradiation With Helical TomoTherapy. International Journal of Radiation Oncology Biology Physics, 2012, 82, 1575-1583. | 0.8 | 10 |
| 114 | SonoKnife for ablation of neck tissue: In vivo verification of a computer layered medium model. International Journal of Hyperthermia, 2012, 28, 698-705. | 2.5 | 0 |
| 115 | Microbeam Radiation Therapy Alters Vascular Architecture and Tumor Oxygenation and is Enhanced by a Galectin-1 Targeted Anti-Angiogenic Peptide. Radiation Research, 2012, 177, 804-812. | 1.5 | 54 |
| 116 | VMAT QA: Measurement-guided 4D dose reconstruction on a patient. Medical Physics, 2012, 39, 4228-4238. | 3.0 | 96 |
| 117 | Static jaw collimation settings to minimize radiation dose to normal brain tissue during stereotactic radiosurgery. Medical Dosimetry, 2012, 37, 391-395. | 0.9 | 2 |
| 118 | SU-E-J-167: Optimal Number of Respiratory Phases in 4D PET for Radiotherapy Planning: Motion-Simulated Phantom Study. Medical Physics, 2012, 39, 3691-3691. | 3.0 | 0 |
| 119 | SU-E-J-187: Evaluation of the Effects of Dose on 4DCT-Calculated Lung Ventilation. Medical Physics, 2012, 39, 3695-3696. | 3.0 | 1 |
| 120 | SU-E-T-553: Dose-Mass Vs. Dose-Volume Optimization: A Phantom Study. Medical Physics, 2012, 39, 3832-3833. | 3.0 | 0 |
| 121 | SU-E-T-479: Skin Dose from Flattening Filter Free Beams: A Monte Carlo Investigation. Medical Physics, 2012, 39, 3815-3815. | 3.0 | 1 |
| 122 | Modelling millimetre wave propagation and absorption in a high resolution skin model: the effect of sweat glands. Physics in Medicine and Biology, 2011, 56, 1329-1339. | 3.0 | 36 |
| 123 | An alternating focused ultrasound system for thermal therapy studies in small animals. Medical Physics, 2011, 38, 1877-1887. | 3.0 | 6 |
| 124 | Thermal treatment planning for SonoKnife focused-ultrasound thermal treatment of head and neck cancers. Proceedings of SPIE, 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. | 3.0 | 6 |
| 129 | Clinical feasibility of TBI with helical tomotherapy. Bone Marrow Transplantation, 2011, 46, 929-935. | 2.4 | 61 |
| 130 | SU-C-BRB-01: Spatially Fractionated Radiation Therapy (GRID) Using a TomoTherapy Unit. Medical Physics, 2011, 38, 3369-3369. | 3.0 | 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. | 3.0 | 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. | 3.0 | 0 |
| 134 | SU-E-T-318: Using Monte Carlo in the Design of Small Animal Irradiator Collimators. Medical Physics, 2011, 38, 3560-3561. | 3.0 | 0 |
| 135 | WE-E-220-03: SonoKnife: Development, Testing and Treatment Planning. Medical Physics, 2011, 38, 3824-3824. | 3.0 | 0 |
| 136 | SU-E-I-15: CBCT Using a Robotic-Arm Based Small Animal Irradiation System. Medical Physics, 2011, 38, 3398-3399. | 3.0 | 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. | 3.0 | 0 |
| 138 | SU-E-T-848: Dose Mass - Based IMRT Inverse Planning for Radiotherapy of Thoracic Cancer. Medical Physics, 2011, 38, 3686-3686. | 3.0 | 0 |
| 139 | SU-E-T-312: Development of a Rat Model of Radiation-Induced Heart Disease Using SACRTD. Medical Physics, 2011, 38, 3559-3559. | 3.0 | 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. | 3.0 | 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. | 1.6 | 3 |
| 142 | 37, 2351-2358. | 3.0 | 35 |
| 143 | Dosimetric Comparison of Helical Tomotherapy and Linac-IMRT Treatment Plans for Head and Neck Cancer Patients. Medical Dosimetry, 2010, 35, 264-268. | 0.9 | 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. | 0.8 | 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. | 0.8 | 6 |
| 146 | Doppler signals observed during high temperature thermal ablation are the result of boiling. International Journal of Hyperthermia, 2010, 26, 586-593. | 2.5 | 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. | 2.5 | 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. | 3.0 | 36 |
| 149 | Present and future technology for simultaneous superficial thermoradiotherapy of breast cancer. International Journal of Hyperthermia, 2010, 26, 699-709. | 2.5 | 33 |
| 150 | SU-GG-I-178: Numerical Simulations of the SonoKnife's Acoustic Edge. Medical Physics, 2010, 37, 3142-3142. | 3.0 | 0 |
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