

Evangelos Pappas

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

742
citations

566801

15
h-index

552369

26
g-index

32
all docs

32
docs citations

32
times ranked

424
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Brain stereotactic radiosurgery using MR-guided online adaptive planning for daily setup variation: An end-to-end test. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13518. | 0.8 | 7 |
| 2 | End to end comparison of surface-guided imaging versus stereoscopic X-rays for the SRS treatment of multiple metastases with a single isocenter using 3D anthropomorphic gel phantoms. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13576. | 0.8 | 11 |
| 3 | Polymer-Gel Radiation Dosimetry of Laser-Based Relativistic Electron Sources for Biomedical Applications: First Qualitative Results and Experimental Challenges. <i>Frontiers in Physics</i> , 2022, 10, . | 1.0 | 2 |
| 4 | MRI diffusion phantoms: ADC and relaxometric measurement comparisons between polyacrylamide and agarose gels. <i>European Journal of Radiology</i> , 2021, 139, 109696. | 1.2 | 6 |
| 5 | Robustness of single-isocenter multiple-metastasis stereotactic radiosurgery end-to-end testing across institutions. <i>Journal of Radiosurgery and SBRT</i> , 2021, 7, 223-232. | 0.2 | 0 |
| 6 | Validation of PTV margin for Gamma Knife Icon frameless treatment using a PseudoPatient® Prime anthropomorphic phantom. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 278-285. | 0.8 | 7 |
| 7 | Polymer gel 3D dosimetry in radiotherapy. <i>Zeitschrift Fur Medizinische Physik</i> , 2020, 30, 171-172. | 0.6 | 6 |
| 8 | Dosimetric performance of the Elekta Unity MR-linac system: 2D and 3D dosimetry in anthropomorphic inhomogeneous geometry. <i>Physics in Medicine and Biology</i> , 2019, 64, 225009. | 1.6 | 35 |
| 9 | Overall Spatial Uncertainty in Single-Isocenter Multi-Focal SRS for Multiple Brain Metastases: End-to-End QA Results Related to 208 Targets. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, E769-E770. | 0.4 | 0 |
| 10 | Characterization of a novel 3D printed patient specific phantom for quality assurance in cranial stereotactic radiosurgery applications. <i>Physics in Medicine and Biology</i> , 2019, 64, 105009. | 1.6 | 20 |
| 11 | Gel dosimetry for three dimensional proton range measurements in anthropomorphic geometries. <i>Zeitschrift Fur Medizinische Physik</i> , 2019, 29, 162-172. | 0.6 | 22 |
| 12 | Dosimetric and localization accuracy of Elekta high definition dynamic radiosurgery. <i>Physica Medica</i> , 2018, 54, 146-151. | 0.4 | 13 |
| 13 | A Systematic Analysis of 2 Monoisocentric Techniques for the Treatment of Multiple Brain Metastases. <i>Technology in Cancer Research and Treatment</i> , 2017, 16, 639-644. | 0.8 | 21 |
| 14 | Dosimetric validation for an automatic brain metastases planning software using single-isocenter dynamic conformal arcs. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 142-156. | 0.8 | 11 |
| 15 | A Pseudo-In Vivo Evaluation of Dose Delivered in Spine Stereotactic Body Radiation Therapy: Dosimetric and Clinical Implications. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, E119. | 0.4 | 0 |
| 16 | MO-FG-CAMPUS-TeP1-04: Pseudo-In-Vivo Dose Verification of a New Mono-Isocentric Technique for the Treatment of Multiple Brain Metastases. <i>Medical Physics</i> , 2016, 43, 3719-3719. | 1.6 | 0 |
| 17 | Polymer gel dosimetry utilizing a 2D (SE) and a 2D (HASTE) multiple echo sequences. <i>Journal of Physics: Conference Series</i> , 2013, 444, 012088. | 0.3 | 2 |
| 18 | Dosimetric characteristics of a new polymer gel and their dependence on post-preparation and post-irradiation time: Effect on X-ray beam profile measurements. <i>Physica Medica</i> , 2013, 29, 453-460. | 0.4 | 31 |

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|----|---|-----|-----------|
| 19 | Dosimetric characteristics of N-vinylpyrrolidone based polymer gels: utilization depending on dose range. <i>Journal of Physics: Conference Series</i> , 2013, 444, 012068. | 0.3 | 4 |
| 20 | SU-E-T-546: On the Evaluation of GATE Monte Carlo Toolkit Performance for the Dosimetry of Ir-192 and I-125 Brachytherapy Sources. <i>Medical Physics</i> , 2013, 40, 331-331. | 1.6 | 0 |
| 21 | SU-E-T-97: A Methodology for Using Gafchromic EBT2-Films for Accurate Relative 2D-Dosimetry Without the Need of An Accurate Calibration Curve. <i>Medical Physics</i> , 2013, 40, 225-226. | 1.6 | 0 |
| 22 | Small SRS photon field profile dosimetry performed using a PinPoint air ion chamber, a diamond detector, a novel silicon diode array (DOSI), and polymer gel dosimetry. Analysis and intercomparison. <i>Medical Physics</i> , 2008, 35, 4640-4648. | 1.6 | 83 |
| 23 | An evaluation of the dosimetric performance characteristics of N-vinylpyrrolidone-based polymer gels. <i>Physics in Medicine and Biology</i> , 2007, 52, 5069-5083. | 1.6 | 40 |
| 24 | Experimental determination of the effect of detector size on profile measurements in narrow photon beams. <i>Medical Physics</i> , 2006, 33, 3700-3710. | 1.6 | 64 |
| 25 | Relative output factor measurements of a 5 mm diameter radiosurgical photon beam using polymer gel dosimetry. <i>Medical Physics</i> , 2005, 32, 1513-1520. | 1.6 | 35 |
| 26 | Evaluation of the performance of VIPAR polymer gels using a variety of x-ray and electron beams. <i>Physics in Medicine and Biology</i> , 2003, 48, N65-N73. | 1.6 | 15 |
| 27 | Polymer gel dosimetry using a three-dimensional MRI acquisition technique. <i>Medical Physics</i> , 2002, 29, 2506-2516. | 1.6 | 27 |
| 28 | Wide dynamic dose range of VIPAR polymer gel dosimetry. <i>Physics in Medicine and Biology</i> , 2001, 46, 2143-2159. | 1.6 | 46 |
| 29 | Narrow stereotactic beam profile measurements using N-vinylpyrrolidone based polymer gels and magnetic resonance imaging. <i>Physics in Medicine and Biology</i> , 2001, 46, 783-797. | 1.6 | 63 |
| 30 | Dosimetry close to an ¹⁹² Ir HDR source using N-vinylpyrrolidone based polymer gels and magnetic resonance imaging. <i>Medical Physics</i> , 2001, 28, 1416-1426. | 1.6 | 38 |
| 31 | A new polymer gel for magnetic resonance imaging (MRI) radiation dosimetry. <i>Physics in Medicine and Biology</i> , 1999, 44, 2677-2684. | 1.6 | 131 |
| 32 | Indoor Radiation Measurements in Greece. <i>Radiation Protection Dosimetry</i> , 1999, 82, 307-312. | 0.4 | 2 |