# Csaba Pinter

List of Publications by Year
in descending order

| 34 papers | 845 citations | 10 h-index 933447 | 23 g-index 642732 |
|---|---|---|---|
| 36 all docs | 36 docs citations | 36 times ranked | 1189 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | PLUS: Open-Source Toolkit for Ultrasound-Guided Intervention Systems. IEEE Transactions on Biomedical Engineering, 2014, 61, 2527-2537. | 4.2 | 302 |
| 2 | SlicerRT: Radiation therapy research toolkit for 3D Slicer. Medical Physics, 2012, 39, 6332-6338. | 3.0 | 194 |
| 3 | Increasing the impact of medical image computing using community-based open-access hackathons: The NA-MIC and 3D Slicer experience. Medical Image Analysis, 2016, 33, 176-180. | 11.6 | 58 |
| 4 | Perk Tutor: An Open-Source Training Platform for Ultrasound-Guided Needle Insertions. IEEE Transactions on Biomedical Engineering, 2012, 59, 3475-3481. | 4.2 | 55 |
| 5 | Polymorph segmentation representation for medical image computing. Computer Methods and Programs in Biomedicine, 2019, 171, 19-26. | 4.7 | 44 |
| 6 | <i>dcmqi</i>: An Open Source Library for Standardized Communication of Quantitative Image Analysis Results Using DICOM. Cancer Research, 2017, 77, e87-e90. | 0.9 | 31 |
| 7 | SlicerVR for Medical Intervention Training and Planning in Immersive Virtual Reality. IEEE Transactions on Medical Robotics and Bionics, 2020, 2, 108-117. | 3.2 | 25 |
| 8 | Validation of MRI to TRUS registration for high-dose-rate prostate brachytherapy. Brachytherapy, 2018, 17, 283-290. | 0.5 | 17 |
| 9 | Interaction with Volume-Rendered Three-Dimensional Echocardiographic Images in Virtual Reality. Journal of the American Society of Echocardiography, 2018, 31, 1158-1160. | 2.8 | 16 |
| 10 | Open-source surface mesh-based ultrasound-guided spinal intervention simulator. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 1043-1051. | 2.8 | 14 |
| 11 | Implementation of the PLUS open-source toolkit for translational research of ultrasound-guided intervention systems. , 2012, , . | | 13 |
| 12 | Modeling Tool for Rapid Virtual Planning of the Intracardiac Baffle in Double-Outlet Right Ventricle. Annals of Thoracic Surgery, 2021, 111, 2078-2083. | 1.3 | 12 |
| 13 | Quantitative Imaging Informatics for Cancer Research. JCO Clinical Cancer Informatics, 2020, 4, 444-453. | 2.1 | 11 |
| 14 | Implementation of an efficient workflow process for gel dosimetry using 3D Slicer. Journal of Physics: Conference Series, 2015, 573, 012042. | 0.4 | 8 |
| 15 | Streamlined open-source gel dosimetry analysis in 3D slicer. Biomedical Physics and Engineering Express, 2018, 4, 045041. | 1.2 | 8 |
| 16 | Evaluation of 3D slicer as a medical virtual reality visualization platform. , 2019, , . | | 7 |
| 17 | Reconstruction of surfaces from planar contours through contour interpolation. , 2015, , . | | 5 |
| 18 | Automated intraoperative calibration for prostate cancer brachytherapy. Medical Physics, 2011, 38, 6285-6299. | 3.0 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Validation of MRI to US Registration for Focal HDR Prostate Brachytherapy. Brachytherapy, 2017, 16, S56-S57. | 0.5 | 4 |
| 20 | Open-source software for collision detection in external beam radiation therapy. Proceedings of SPIE, 2017, , . | 0.8 | 4 |
| 21 | 3D Slicer Gel Dosimetry Analysis: Validation of the Calibration Process. IFMBE Proceedings, 2015, , 521-524. | 0.3 | 3 |
| 22 | Simulation of Delivery of Clip-Based Therapies Within Multimodality Images to Facilitate Preprocedural Planning. Journal of the American Society of Echocardiography, 2021, 34, 1111-1114. | 2.8 | 3 |
| 23 | Effects of voxelization on dose volume histogram accuracy. Proceedings of SPIE, 2016, , . | 0.8 | 2 |
| 24 | Improved Temporal Calibration of Tracked Ultrasound: An Open-Source Solution. Journal of Medical Robotics Research, 2017, 02, 1750008. | 1.2 | 1 |
| 25 | SUâ€Eâ€Tâ€231: Crossâ€Validation of 3D Gamma Comparison Tools. Medical Physics, 2015, 42, 3385-3385. | 3.0 | 1 |
| 26 | A tool for intraoperative visualization of registration results. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 27 | Development of 3D Slicer based film dosimetry analysis. Journal of Physics: Conference Series, 2017, 847, 012061. | 0.4 | 0 |
| 28 | Affordable Medical Ultrasound Navigation Training. , 2019, , . | | 0 |
| 29 | Using fuzzy logics to determine optimal oversampling factor for voxelizing 3D surfaces in radiation therapy. Soft Computing, 2020, 24, 18959-18970. | 3.6 | 0 |
| 30 | SU-E-J-42: Customized Deformable Image Registration Using Open-Source Software SlicerRT. Medical Physics, 2014, 41, 164-164. | 3.0 | 0 |
| 31 | Fractional labelmaps for computing accurate dose volume histograms. Proceedings of SPIE, 2017, , . | 0.8 | 0 |
| 32 | Real-time transverse process detection in ultrasound. , 2018, , . | | 0 |
| 33 | Improvements in SlicerRT, the radiation therapy research toolkit for 3D Slicer. , 2014, , . | | 0 |
| 34 | CBCT subtraction analysis of 3D changes following alveolar ridge preservation: a case series of 10 patients with 6-months follow-up. International Journal of Computerized Dentistry, 2021, 24, 241-251. | 0.2 | 0 |