

# Csaba Pinter

## List of Publications by Year in descending order

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34  
papers

845  
citations

933447

10  
h-index

642732

23  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Tool for Rapid Virtual Planning of the Intracardiac Baffle in Double-Outlet Right Ventricle. <i>Annals of Thoracic Surgery</i> , 2021, 111, 2078-2083.	1.3	12
2	Simulation of Delivery of Clip-Based Therapies Within Multimodality Images to Facilitate Preprocedural Planning. <i>Journal of the American Society of Echocardiography</i> , 2021, 34, 1111-1114.	2.8	3
3	CBCT subtraction analysis of 3D changes following alveolar ridge preservation: a case series of 10 patients with 6-months follow-up. <i>International Journal of Computerized Dentistry</i> , 2021, 24, 241-251.	0.2	0
4	Quantitative Imaging Informatics for Cancer Research. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 444-453.	2.1	11
5	SlicerVR for Medical Intervention Training and Planning in Immersive Virtual Reality. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2020, 2, 108-117.	3.2	25
6	Using fuzzy logics to determine optimal oversampling factor for voxelizing 3D surfaces in radiation therapy. <i>Soft Computing</i> , 2020, 24, 18959-18970.	3.6	0
7	Polymorph segmentation representation for medical image computing. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 171, 19-26.	4.7	44
8	Affordable Medical Ultrasound Navigation Training. , 2019, , .		0
9	Evaluation of 3D slicer as a medical virtual reality visualization platform. , 2019, , .		7
10	Validation of MRI to TRUS registration for high-dose-rate prostate brachytherapy. <i>Brachytherapy</i> , 2018, 17, 283-290.	0.5	17
11	Streamlined open-source gel dosimetry analysis in 3D slicer. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 045041.	1.2	8
12	Interaction with Volume-Rendered Three-Dimensional Echocardiographic Images in Virtual Reality. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 1158-1160.	2.8	16
13	Real-time transverse process detection in ultrasound. , 2018, , .		0
14	Validation of MRI to US Registration for Focal HDR Prostate Brachytherapy. <i>Brachytherapy</i> , 2017, 16, S56-S57.	0.5	4
15	<i>dicomqi</i> : An Open Source Library for Standardized Communication of Quantitative Image Analysis Results Using DICOM. <i>Cancer Research</i> , 2017, 77, e87-e90.	0.9	31
16	Development of 3D Slicer based film dosimetry analysis. <i>Journal of Physics: Conference Series</i> , 2017, 847, 012061.	0.4	0
17	Improved Temporal Calibration of Tracked Ultrasound: An Open-Source Solution. <i>Journal of Medical Robotics Research</i> , 2017, 02, 1750008.	1.2	1
18	Open-source software for collision detection in external beam radiation therapy. <i>Proceedings of SPIE</i> , 2017, , .	0.8	4

#	ARTICLE	IF	CITATIONS
19	Fractional labelmaps for computing accurate dose volume histograms. Proceedings of SPIE, 2017, , .	0.8	0
20	Effects of voxelization on dose volume histogram accuracy. Proceedings of SPIE, 2016, , .	0.8	2
21	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
22	Implementation of an efficient workflow process for gel dosimetry using 3D Slicer. Journal of Physics: Conference Series, 2015, 573, 012042.	0.4	8
23	Reconstruction of surfaces from planar contours through contour interpolation. , 2015, , .		5
24	3D Slicer Gel Dosimetry Analysis: Validation of the Calibration Process. IFMBE Proceedings, 2015, , 521-524.	0.3	3
25	SU-E-231: Cross-Validation of 3D Gamma Comparison Tools. Medical Physics, 2015, 42, 3385-3385.	3.0	1
26	PLUS: Open-Source Toolkit for Ultrasound-Guided Intervention Systems. IEEE Transactions on Biomedical Engineering, 2014, 61, 2527-2537.	4.2	302
27	A tool for intraoperative visualization of registration results. Proceedings of SPIE, 2014, , .	0.8	0
28	SU-E-J-42: Customized Deformable Image Registration Using Open-Source Software SlicerRT. Medical Physics, 2014, 41, 164-164.	3.0	0
29	Improvements in SlicerRT, the radiation therapy research toolkit for 3D Slicer. , 2014, , .		0
30	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
31	SlicerRT: Radiation therapy research toolkit for 3D Slicer. Medical Physics, 2012, 39, 6332-6338.	3.0	194
32	Perk Tutor: An Open-Source Training Platform for Ultrasound-Guided Needle Insertions. IEEE Transactions on Biomedical Engineering, 2012, 59, 3475-3481.	4.2	55
33	Implementation of the PLUS open-source toolkit for translational research of ultrasound-guided intervention systems. , 2012, , .		13
34	Automated intraoperative calibration for prostate cancer brachytherapy. Medical Physics, 2011, 38, 6285-6299.	3.0	4