

Evaggelos Pantelis

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2665351/evaggelos-pantelis-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

1,133
citations

19
h-index

32
g-index

57
ext. papers

1,238
ext. citations

3
avg, IF

3.87
L-index

#	Paper	IF	Citations
52	Performance evaluation of a CyberKnife G4 image-guided robotic stereotactic radiosurgery system. <i>Physics in Medicine and Biology</i> , 2008 , 53, 4697-718	3.8	108
51	Polymer gel water equivalence and relative energy response with emphasis on low photon energy dosimetry in brachytherapy. <i>Physics in Medicine and Biology</i> , 2004 , 49, 3495-514	3.8	76
50	Dosimetric characterization of CyberKnife radiosurgical photon beams using polymer gels. <i>Medical Physics</i> , 2008 , 35, 2312-20	4.4	61
49	Dosimetric accuracy of a deterministic radiation transport based 192Ir brachytherapy treatment planning system. Part II: Monte Carlo and experimental verification of a multiple source dwell position plan employing a shielded applicator. <i>Medical Physics</i> , 2011 , 38, 1981-92	4.4	59
48	The effect of finite patient dimensions and tissue inhomogeneities on dosimetry planning of 192Ir HDR breast brachytherapy: a Monte Carlo dose verification study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 61, 1596-602	4	57
47	On the output factor measurements of the CyberKnife iris collimator small fields: Experimental determination of the $k(Q(\text{clin}), Q(\text{msr}))$ ($f(\text{clin}), f(\text{msr})$) correction factors for microchamber and diode detectors. <i>Medical Physics</i> , 2012 , 39, 4875-85	4.4	50
46	Integration of functional MRI and white matter tractography in stereotactic radiosurgery clinical practice. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 78, 257-67	4	48
45	On the implementation of a recently proposed dosimetric formalism to a robotic radiosurgery system. <i>Medical Physics</i> , 2010 , 37, 2369-79	4.4	47
44	Dosimetric accuracy of a deterministic radiation transport based 192Ir brachytherapy treatment planning system. Part I: single sources and bounded homogeneous geometries. <i>Medical Physics</i> , 2010 , 37, 649-61	4.4	46
43	Dosimetry comparison of 192Ir sources. <i>Medical Physics</i> , 2002 , 29, 2239-46	4.4	43
42	Current state of the art brachytherapy treatment planning dosimetry algorithms. <i>British Journal of Radiology</i> , 2014 , 87, 20140163	3.4	39
41	The effect of patient inhomogeneities in oesophageal 192Ir HDR brachytherapy: a Monte Carlo and analytical dosimetry study. <i>Physics in Medicine and Biology</i> , 2004 , 49, 2675-85	3.8	38
40	Monte Carlo dosimetry of 60Co HDR brachytherapy sources. <i>Medical Physics</i> , 2003 , 30, 712-21	4.4	36
39	An analytical dosimetry model as a step towards accounting for inhomogeneities and bounded geometries in 192Ir brachytherapy treatment planning. <i>Physics in Medicine and Biology</i> , 2003 , 48, 1625-47	3.8	35
38	Dosimetric accuracy of a deterministic radiation transport based (192)Ir brachytherapy treatment planning system. Part III. Comparison to Monte Carlo simulation in voxelized anatomical computational models. <i>Medical Physics</i> , 2013 , 40, 011712	4.4	33
37	Monte Carlo dosimetry of a new 192Ir pulsed dose rate brachytherapy source. <i>Medical Physics</i> , 2003 , 30, 9-16	4.4	33
36	A monte carlo dosimetry study of vaginal 192Ir brachytherapy applications with a shielded cylindrical applicator set. <i>Medical Physics</i> , 2004 , 31, 3080-6	4.4	25

35	Polymer gel dosimetry close to an 125I interstitial brachytherapy seed. <i>Physics in Medicine and Biology</i> , 2005 , 50, 4371-84	3.8	24
34	Gamma knife output factor measurements using VIP polymer gel dosimetry. <i>Medical Physics</i> , 2009 , 36, 4277-87	4.4	22
33	Assessment and characterization of the total geometric uncertainty in Gamma Knife radiosurgery using polymer gels. <i>Medical Physics</i> , 2013 , 40, 031704	4.4	19
32	Polymer gel dosimetry for the TG-43 dosimetric characterization of a new 125I interstitial brachytherapy seed. <i>Physics in Medicine and Biology</i> , 2006 , 51, 2101-11	3.8	19
31	Dosimetric impact of rotational errors on the quality of VMAT-SRS for multiple brain metastases: Comparison between single- and two-isocenter treatment planning techniques. <i>Journal of Applied Clinical Medical Physics</i> , 2020 , 21, 32-44	2.3	17
30	Radiation dose to the fetus during CyberKnife radiosurgery for a brain tumor in pregnancy. <i>Physica Medica</i> , 2016 , 32, 237-41	2.7	17
29	BrachyGuide: a brachytherapy-dedicated DICOM RT viewer and interface to Monte Carlo simulation software. <i>Journal of Applied Clinical Medical Physics</i> , 2015 , 16, 5136	2.3	15
28	Evaluation of a TG-43 compliant analytical dosimetry model in clinical 192Ir HDR brachytherapy treatment planning and assessment of the significance of source position and catheter reconstruction uncertainties. <i>Physics in Medicine and Biology</i> , 2004 , 49, 55-67	3.8	15
27	Monte Carlo and experimental determination of correction factors for gamma knife perfexion small field dosimetry measurements. <i>Physics in Medicine and Biology</i> , 2017 , 62, 7532-7555	3.8	13
26	A user-oriented procedure for the commissioning and quality assurance testing of treatment planning system dosimetry in high-dose-rate brachytherapy. <i>Brachytherapy</i> , 2016 , 15, 252-62	2.4	12
25	On the total system error of a robotic radiosurgery system: phantom measurements, clinical evaluation and long-term analysis. <i>Physics in Medicine and Biology</i> , 2018 , 63, 165015	3.8	11
24	On the use of high dose rate 192Ir and 169Yb sources with the MammoSite radiation therapy system. <i>Medical Physics</i> , 2007 , 34, 3614-9	4.4	11
23	On the impact of improved dosimetric accuracy on head and neck high dose rate brachytherapy. <i>Radiotherapy and Oncology</i> , 2016 , 120, 92-7	5.3	11
22	On the development of a comprehensive MC simulation model for the Gamma Knife Perfexion radiosurgery unit. <i>Physics in Medicine and Biology</i> , 2016 , 61, 1182-203	3.8	10
21	Atlas-based functional radiosurgery: early results. <i>Medical Physics</i> , 2009 , 36, 457-63	4.4	10
20	A Web simulation of medical image reconstruction and processing as an educational tool. <i>Journal of Digital Imaging</i> , 2015 , 28, 24-31	5.3	8
19	An evaluation of the TSE MR sequence for time efficient data acquisition in polymer gel dosimetry of applications involving high doses and steep dose gradients. <i>Medical Physics</i> , 2005 , 32, 3339-45	4.4	8
18	On the dosimetric accuracy of a Sievert integration model in the proximity of 192Ir HDR sources. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002 , 53, 1071-84	4	8

17	New (125)I brachytherapy source IsoSeed I25.S17plus: Monte Carlo dosimetry simulation and comparison to sources of similar design. <i>Journal of Contemporary Brachytherapy</i> , 2013 , 5, 240-9	1.9	7
16	Characterization of a new polymer gel for radiosurgery dosimetry using Magnetic Resonance Imaging. <i>Journal of Instrumentation</i> , 2009 , 4, P06018-P06018	1	7
15	Experimental determination of the Task Group-43 dosimetric parameters of the new I25.S17plus (125)I brachytherapy source. <i>Brachytherapy</i> , 2014 , 13, 618-26	2.4	6
14	Dose characterization of the new Bebig IsoSeed \square I25.S17 using polymer gel and MRI. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 569, 529-532	1.2	6
13	A comparative assessment of inhomogeneity and finite patient dimension effects in Co and Ir high-dose-rate brachytherapy. <i>Journal of Contemporary Brachytherapy</i> , 2018 , 10, 73-84	1.9	5
12	Image guidance quality assurance of a G4 CyberKnife robotic stereotactic radiosurgery system. <i>Journal of Instrumentation</i> , 2009 , 4, P05009-P05009	1	5
11	Type I Gaucher disease with severe skeletal destruction, extraosseous extension, and monoclonal gammopathy. <i>American Journal of Hematology</i> , 2004 , 77, 377-80	7.1	4
10	Influence of multiple brain metastases \square size and number on the quality of SRS \square VMAT dose delivery. <i>Journal of Physics: Conference Series</i> , 2017 , 931, 012022	0.3	3
9	On source models for (192)Ir HDR brachytherapy dosimetry using model based algorithms. <i>Physics in Medicine and Biology</i> , 2016 , 61, 4235-46	3.8	2
8	Staged Image-guided Robotic Radiosurgery and Deferred Chemotherapy to Treat a Malignant Glioma During and After Pregnancy. <i>Cureus</i> , 2018 , 10, e2141	1.2	2
7	Bladder wall dosimetry for 131I administered activities. <i>Radiation Protection Dosimetry</i> , 2001 , 95, 109-160.9	0.9	1
6	On the potential of 2D ion chamber arrays for high-dose rate remote afterloading brachytherapy quality assurance.. <i>Physics in Medicine and Biology</i> , 2022 ,	3.8	1
5	Radiosurgery for movement disorders. <i>Computer Aided Surgery</i> , 2011 , 16, 101-11		
4	WE-D-351-01: Atlas-Based Functional Radiosurgery: Early Results. <i>Medical Physics</i> , 2008 , 35, 2946-2946	4.4	
3	SU-F-BRA-12: End-User Oriented Tools and Procedures for Testing Brachytherapy TPSs Employing MBDCAs. <i>Medical Physics</i> , 2015 , 42, 3536-3536	4.4	
2	SU-E-T-580: On the Significance of Model Based Dosimetry for Breast and Head and Neck 192Ir HDR Brachytherapy. <i>Medical Physics</i> , 2015 , 42, 3469-3469	4.4	
1	Monte Carlo simulation to assess free space and end-weld thickness variation effects on dose rate for a new Ir-192 brachytherapy source. <i>Applied Radiation and Isotopes</i> , 2021 , 173, 109709	1.7	