

Brendan M Whelan

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

535
citations

933447
10
h-index

752698
20
g-index

25
all docs

25
docs citations

25
times ranked

767
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic resonance imaging (MRI) guided proton therapy: A review of the clinical challenges, potential benefits and pathway to implementation. Radiotherapy and Oncology, 2022, 170, 37-47.	0.6	15
2	Domain classification and analysis of national institutes of health-funded medical physics research. Medical Physics, 2021, 48, 605-614.	3.0	2
3	Magnetic modeling of actively shielded rotating MRI magnets in the presence of environmental steel. Physics in Medicine and Biology, 2021, 66, 045004.	3.0	1
4	Adaptive CaRdiac cOne BEAm computed Tomography (ACROBEAT): Developing the next generation of cardiac cone beam CT imaging. Medical Physics, 2021, 48, 2543-2552.	3.0	3
5	Toward improved 3D carotid artery imaging with Adaptive CaRdiac cOne BEAm computed Tomography (ACROBEAT). Medical Physics, 2020, 47, 5749-5760.	3.0	4
6	Dosimetric Optimization and Commissioning of a High Field Inline MRI-Linac. Frontiers in Oncology, 2020, 10, 136.	2.8	11
7	MRI Linac Systems. , 2019, , 155-168.		6
8	Feasibility study on 3D image reconstruction from 2D orthogonal cine-MRI for MRI-guided radiotherapy. Journal of Medical Imaging and Radiation Oncology, 2018, 62, 389-400.	1.8	44
9	Passive magnetic shielding in MRI-Linac systems. Physics in Medicine and Biology, 2018, 63, 075008.	3.0	14
10	Patient reported outcomes of slow, single arc rotation: Do we need rotating gantries?. Journal of Medical Imaging and Radiation Oncology, 2018, 62, 553-561.	1.8	10
11	MRI-guidance for motion management in external beam radiotherapy: current status and future challenges. Physics in Medicine and Biology, 2018, 63, 22TR03.	3.0	94
12	MRI-Linear Accelerator Radiotherapy Systems. Clinical Oncology, 2018, 30, 686-691.	1.4	89
13	An update of NIH research funding of AAPM members from 1985 to 2017. Medical Physics, 2018, 45, 3475-3476.	3.0	2
14	Redefining and reinvigorating the role of physics in clinical medicine: A Report from the AAPM Medical Physics 3.0 Ad Hoc Committee. Medical Physics, 2018, 45, e783.	3.0	25
15	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
16	An MRI-compatible patient rotation system design, construction, and first organ deformation results. Medical Physics, 2017, 44, 581-588.	3.0	26
17	A novel electron accelerator for MRI-Linac radiotherapy. Medical Physics, 2016, 43, 1285-1294.	3.0	14
18	Performance of a clinical gridded electron gun in magnetic fields: Implications for MRI-Linac therapy. Medical Physics, 2016, 43, 5903-5914.	3.0	10

#	ARTICLE	IF	CITATIONS
19	Functional imaging equivalence and proof of concept for image-guided adaptive radiotherapy with fixed gantry and rotating couch. <i>Advances in Radiation Oncology</i> , 2016, 1, 365-372.	1.2	10
20	Utilising pseudo-CT data for dose calculation and plan optimization in adaptive radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2015, 38, 561-568.	1.3	10
21	Dynamic keyhole: A novel method to improve MR images in the presence of respiratory motion for real-time MRI. <i>Medical Physics</i> , 2014, 41, 072304.	3.0	9
22	Comp Plan: A computer program to generate dose and radiobiological metrics from dose-volume histogram files. <i>Medical Dosimetry</i> , 2012, 37, 305-309.	0.9	18
23	Health And Social Care Utilisation. , 2011, , 203-218.		3