

Brendan M Whelan

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

535
citations

1051969

10
h-index

843174

20
g-index

25
all docs

25
docs citations

25
times ranked

838
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. <i>Radiotherapy and Oncology</i> , 2022, 170, 37-47. | 0.3 | 15 |
| 2 | Domain classification and analysis of national institutes of health-funded medical physics research. <i>Medical Physics</i> , 2021, 48, 605-614. | 1.6 | 2 |
| 3 | Magnetic modeling of actively shielded rotating MRI magnets in the presence of environmental steel. <i>Physics in Medicine and Biology</i> , 2021, 66, 045004. | 1.6 | 1 |
| 4 | Adaptive CaRdiac cOne BEAm computed Tomography (ACROBEAT): Developing the next generation of cardiac cone beam CT imaging. <i>Medical Physics</i> , 2021, 48, 2543-2552. | 1.6 | 3 |
| 5 | Toward improved 3D carotid artery imaging with Adaptive CaRdiac cOne BEAm computed Tomography (ACROBEAT). <i>Medical Physics</i> , 2020, 47, 5749-5760. | 1.6 | 4 |
| 6 | Dosimetric Optimization and Commissioning of a High Field Inline MRI-Linac. <i>Frontiers in Oncology</i> , 2020, 10, 136. | 1.3 | 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. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018, 62, 389-400. | 0.9 | 44 |
| 9 | Passive magnetic shielding in MRI-Linac systems. <i>Physics in Medicine and Biology</i> , 2018, 63, 075008. | 1.6 | 14 |
| 10 | Patient reported outcomes of slow, single arc rotation: Do we need rotating gantries?. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018, 62, 553-561. | 0.9 | 10 |
| 11 | MRI-guidance for motion management in external beam radiotherapy: current status and future challenges. <i>Physics in Medicine and Biology</i> , 2018, 63, 22TR03. | 1.6 | 94 |
| 12 | MRI-Linear Accelerator Radiotherapy Systems. <i>Clinical Oncology</i> , 2018, 30, 686-691. | 0.6 | 89 |
| 13 | An update of NIH research funding of AAPM members from 1985 to 2017. <i>Medical Physics</i> , 2018, 45, 3475-3476. | 1.6 | 2 |
| 14 | Redefining and reinvigorating the role of physics in clinical medicine: A Report from the AAPM Medical Physics 3.0 Ad Hoc Committee. <i>Medical Physics</i> , 2018, 45, e783. | 1.6 | 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). <i>Medical Physics</i> , 2017, 44, 1590-1601. | 1.6 | 13 |
| 16 | An MRI-compatible patient rotation system design, construction, and first organ deformation results. <i>Medical Physics</i> , 2017, 44, 581-588. | 1.6 | 26 |
| 17 | A novel electron accelerator for MRI-Linac radiotherapy. <i>Medical Physics</i> , 2016, 43, 1285-1294. | 1.6 | 14 |
| 18 | Performance of a clinical gridded electron gun in magnetic fields: Implications for MRI-Linac therapy. <i>Medical Physics</i> , 2016, 43, 5903-5914. | 1.6 | 10 |

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|----|--|-----|-----------|
| 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. | 0.6 | 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. | 1.4 | 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. | 1.6 | 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. | 0.4 | 18 |
| 23 | Health And Social Care Utilisation. , 2011, , 203-218. | | 3 |