

Niall C Colgan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

765
citations

840776

11
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

1286
citing authors

#	ARTICLE	IF	CITATIONS
1	Inertial properties of a living population for the development of biofidelic headforms. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2023, 237, 52-62.	0.7	2
2	Proton Resonance Frequency Shift Thermometry: A Review of Modern Clinical Practices. Journal of Magnetic Resonance Imaging, 2022, 55, 389-403.	3.4	24
3	Quantifying Tumor Heterogeneity from Multiparametric Magnetic Resonance Imaging of Prostate Using Texture Analysis. Cancers, 2022, 14, 1631.	3.7	2
4	Artificial intelligence in the medical physics community: An international survey. Physica Medica, 2021, 81, 141-146.	0.7	21
5	Expanding the medical physicist curricular and professional programme to include Artificial Intelligence. Physica Medica, 2021, 83, 174-183.	0.7	23
6	A generic curriculum development model for the biomedical physics component of the educational and training programmes of the non-physics healthcare professions. Physica Medica, 2021, 85, 32-41.	0.7	0
7	The Poynting effect. American Journal of Physics, 2020, 88, 1036-1040.	0.7	5
8	Impaired glymphatic function and clearance of tau in an Alzheimer's disease model. Brain, 2020, 143, 2576-2593.	7.6	227
9	The 10th Annual scientific Meeting of the Irish Association of physicists in medicine (IAPM ASM 2019). Physica Medica, 2020, 75, 55-57.	0.7	0
10	Experimental assessment of clinical MRI-induced global SAR distributions in head phantoms. Physica Medica, 2019, 66, 113-118.	0.7	5
11	Comparison of Planer Dose Equilibrium and Computed Tomography Dose Index and Implications for Reported Patient Dose Information. Open Journal of Medical Imaging, 2019, 09, 43-51.	0.2	0
12	Biomechanical analysis of fluid percussion model of brain injury. Journal of Biomechanics, 2018, 77, 228-232.	2.1	13
13	Comparison of In Vivo and Ex Vivo MRI for the Detection of Structural Abnormalities in a Mouse Model of Tauopathy. Frontiers in Neuroinformatics, 2017, 11, 20.	2.5	37
14	In Vivo Imaging of Tau Pathology Using Magnetic Resonance Imaging Textural Analysis. Frontiers in Neuroscience, 2017, 11, 599.	2.8	7
15	Imaging the accumulation and suppression of tau pathology using multiparametric MRI. Neurobiology of Aging, 2016, 39, 184-194.	3.1	42
16	Investigation of GlucoCEST as novel clinical MR biomarker of glucose metabolism. Physica Medica, 2016, 32, 959.	0.7	1
17	Application of neurite orientation dispersion and density imaging (NODDI) to a tau pathology model of Alzheimer's disease. NeuroImage, 2016, 125, 739-744.	4.2	179
18	In vivo imaging of tau pathology using multi-parametric quantitative MRI. NeuroImage, 2015, 111, 369-378.	4.2	77

#	ARTICLE	IF	CITATIONS
19	Increased Cerebral Vascular Reactivity in the Tau Expressing rTg4510 Mouse: Evidence against the Role of Tau Pathology to Impair Vascular Health in Alzheimer's Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 359-362.	4.3	25
20	Semiautomatic Region-of-Interest Validation at the Femur in 18F-Fluoride PET/CT. <i>Journal of Nuclear Medicine Technology</i> , 2012, 40, 168-174.	0.8	6
21	Applying DTI white matter orientations to finite element head models to examine diffuse TBI under high rotational accelerations. <i>Progress in Biophysics and Molecular Biology</i> , 2010, 103, 304-309.	2.9	48
22	Quantitative MRI Analysis of Brain Volume Changes due to Controlled Cortical Impact. <i>Journal of Neurotrauma</i> , 2010, 27, 1265-1274.	3.4	21