

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	Impaired glymphatic function and clearance of tau in an Alzheimer's disease model. <i>Brain</i> , 2020, 143, 2576-2593.	7.6	227
2	Application of neurite orientation dispersion and density imaging (NODDI) to a tau pathology model of Alzheimer's disease. <i>NeuroImage</i> , 2016, 125, 739-744.	4.2	179
3	In vivo imaging of tau pathology using multi-parametric quantitative MRI. <i>NeuroImage</i> , 2015, 111, 369-378.	4.2	77
4	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
5	Imaging the accumulation and suppression of tau pathology using multiparametric MRI. <i>Neurobiology of Aging</i> , 2016, 39, 184-194.	3.1	42
6	Comparison of In Vivo and Ex Vivo MRI for the Detection of Structural Abnormalities in a Mouse Model of Tauopathy. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 20.	2.5	37
7	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
8	Proton Resonance Frequency Shift Thermometry: A Review of Modern Clinical Practices. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 389-403.	3.4	24
9	Expanding the medical physicist curricular and professional programme to include Artificial Intelligence. <i>Physica Medica</i> , 2021, 83, 174-183.	0.7	23
10	Quantitative MRI Analysis of Brain Volume Changes due to Controlled Cortical Impact. <i>Journal of Neurotrauma</i> , 2010, 27, 1265-1274.	3.4	21
11	Artificial intelligence in the medical physics community: An international survey. <i>Physica Medica</i> , 2021, 81, 141-146.	0.7	21
12	Biomechanical analysis of fluid percussion model of brain injury. <i>Journal of Biomechanics</i> , 2018, 77, 228-232.	2.1	13
13	In Vivo Imaging of Tau Pathology Using Magnetic Resonance Imaging Textural Analysis. <i>Frontiers in Neuroscience</i> , 2017, 11, 599.	2.8	7
14	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
15	Experimental assessment of clinical MRI-induced global SAR distributions in head phantoms. <i>Physica Medica</i> , 2019, 66, 113-118.	0.7	5
16	The Poynting effect. <i>American Journal of Physics</i> , 2020, 88, 1036-1040.	0.7	5
17	Inertial properties of a living population for the development of biofidelic headforms. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , 2023, 237, 52-62.	0.7	2
18	Quantifying Tumor Heterogeneity from Multiparametric Magnetic Resonance Imaging of Prostate Using Texture Analysis. <i>Cancers</i> , 2022, 14, 1631.	3.7	2

#	ARTICLE	IF	CITATIONS
19	Investigation of GlucoCEST as novel clinical MR biomarker of glucose metabolism. <i>Physica Medica</i> , 2016, 32, 959.	0.7	1
20	The 10th Annual scientific Meeting of the Irish Association of physicists in medicine (IAPM ASM 2019). <i>Physica Medica</i> , 2020, 75, 55-57.	0.7	0
21	A generic curriculum development model for the biomedical physics component of the educational and training programmes of the non-physics healthcare professions. <i>Physica Medica</i> , 2021, 85, 32-41.	0.7	0
22	Comparison of Planer Dose Equilibrium and Computed Tomography Dose Index and Implications for Reported Patient Dose Information. <i>Open Journal of Medical Imaging</i> , 2019, 09, 43-51.	0.2	0