

Alan B Mcmillan

List of Publications by Year in descending order

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43
papers

1,187
citations

535685

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445137

33
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46
docs citations

46
times ranked

1804
citing authors

#	ARTICLE	IF	CITATIONS
1	A Path to Qualification of PET/MRI Scanners for Multicenter Brain Imaging Studies: Evaluation of MRI-Based Attenuation Correction Methods Using a Patient Phantom. <i>Journal of Nuclear Medicine</i> , 2022, 63, 615-621.	2.8	6
2	Synthetic Computed Tomography Generation from 0.35T Magnetic Resonance Images for Magnetic Resonance-Only Radiation Therapy Planning Using Perceptual Loss Models. <i>Practical Radiation Oncology</i> , 2022, 12, e40-e48.	1.1	10
3	Evaluation of Data-Driven Rigid Motion Correction in Clinical Brain PET Imaging. <i>Journal of Nuclear Medicine</i> , 2022, 63, 1604-1610.	2.8	10
4	Amyloid deposition on positron emission tomography correlates with severity of perioperative delirium: a case-control pilot study. <i>British Journal of Anaesthesia</i> , 2022, , .	1.5	2
5	Staging Liver Fibrosis by Fibroblast Activation Protein Inhibitor PET in a Human-Sized Swine Model. <i>Journal of Nuclear Medicine</i> , 2022, 63, 1956-1961.	2.8	16
6	[⁶⁸ Ga]Ga-FAPI-46 PET for non-invasive detection of pulmonary fibrosis disease activity. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 3705-3716.	3.3	29
7	PET Image Quality Improvement for Simultaneous PET/MRI with a Lightweight MRI Surface Coil. <i>Radiology</i> , 2021, 298, 166-172.	3.6	6
8	Application and Construction of Deep Learning Networks in Medical Imaging. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021, 5, 137-159.	2.7	29
9	Measuring Glucose Uptake in Primary Invasive Breast Cancer Using Simultaneous Time-of-Flight Breast PET/MRI: A Method Comparison Study with Prone PET/CT. <i>Radiology Imaging Cancer</i> , 2021, 3, e200091.	0.7	9
10	Dynamic FDG PET Imaging to Probe for Cardiac Metabolic Remodeling in Adults Born Premature. <i>Journal of Clinical Medicine</i> , 2021, 10, 1301.	1.0	2
11	Optimizing the frame duration for data-driven rigid motion estimation in brain PET imaging. <i>Medical Physics</i> , 2021, 48, 3031-3041.	1.6	9
12	First-in-human imaging using a MR-compatible e4D ultrasound probe for motion management of radiotherapy. <i>Physica Medica</i> , 2021, 88, 104-110.	0.4	2
13	Robustifying Deep Networks for Medical Image Segmentation. <i>Journal of Digital Imaging</i> , 2021, 34, 1279-1293.	1.6	4
14	Anatomy and Physiology of Artificial Intelligence in PET Imaging. <i>PET Clinics</i> , 2021, 16, 471-482.	1.5	5
15	Artificial Intelligence-Based Data Corrections for Attenuation and Scatter in Position Emission Tomography and Single-Photon Emission Computed Tomography. <i>PET Clinics</i> , 2021, 16, 543-552.	1.5	12
16	Accuracy of common proton density fat fraction thresholds for magnitude- and complex-based chemical shift-encoded MRI for assessing hepatic steatosis in patients with obesity. <i>Abdominal Radiology</i> , 2020, 45, 661-671.	1.0	16
17	Rapid single scan ramped hybrid encoding for bicomponent T2* mapping in a human knee joint: A feasibility study. <i>NMR in Biomedicine</i> , 2020, 33, e4391.	1.6	7
18	Multi-Channel Deep Neural Network For Temporal Lobe Epilepsy Classification Using Multimodal Mri Data. , 2020, , .		5

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19	Making Your AI Smarter: Continuous Learning Artificial Intelligence for Radiology. Radiology, 2020, 297, 15-16.	3.6	6
20	Prospective comparison of longitudinal change in hepatic proton density fat fraction (PDFF) estimated by magnitude-based MRI (MRI-M) and complex-based MRI (MRI-C). European Radiology, 2020, 30, 5120-5129.	2.3	2
21	Subject-Specific, Non-Invasive Helmet-Restraint RF Coil for Awake, Non-Human Primate MR Imaging. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 177-183.	2.3	5
22	<sc>MR</sc>-based treatment planning in radiation therapy using a deep learning approach. Journal of Applied Clinical Medical Physics, 2019, 20, 105-114.	0.8	47
23	Monitoring Fatty Liver Disease with MRI Following Bariatric Surgery: A Prospective, Dual-Center Study. Radiology, 2019, 290, 682-690.	3.6	22
24	Changes in Endogenous Dopamine Induced by Methylphenidate Predict Functional Connectivity in Nonhuman Primates. Journal of Neuroscience, 2019, 39, 1436-1444.	1.7	24
25	Dynamic whole-body PET imaging: principles, potentials and applications. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 501-518.	3.3	145
26	Simultaneous determination of dynamic cardiac metabolism and function using PET/MRI. Journal of Nuclear Cardiology, 2019, 26, 1946-1957.	1.4	9
27	Dielectric properties of 3D-printed materials for anatomy specific 3D-printed MRI coils. Journal of Magnetic Resonance, 2018, 289, 113-121.	1.2	32
28	Rapid dual-echo ramped hybrid encoding <sc>MR</sc>-based attenuation correction (d<sc>RHE</sc>-MRAC) for <sc>PET/MR</sc>. Magnetic Resonance in Medicine, 2018, 79, 2912-2922.	1.9	23
29	Fully phase-encoded MRI near metallic implants using ultrashort echo times and broadband excitation. Magnetic Resonance in Medicine, 2018, 79, 2156-2163.	1.9	9
30	Deep Learning MR Imaging-based Attenuation Correction for PET/MR Imaging. Radiology, 2018, 286, 676-684.	3.6	315
31	A deep learning approach for 18F-FDG PET attenuation correction. EJNMMI Physics, 2018, 5, 24.	1.3	88
32	Technical Note: Deep learning based <sc>MRAC</sc> using rapid ultrashort echo time imaging. Medical Physics, 2018, 45, 3697-3704.	1.6	49
33	Accelerated electron paramagnetic resonance imaging using partial Fourier compressed sensing reconstruction. Magnetic Resonance Imaging, 2017, 37, 90-99.	1.0	2
34	Externally calibrated parallel imaging for 3D multispectral imaging near metallic implants using broadband ultrashort echo time imaging. Magnetic Resonance in Medicine, 2017, 77, 2303-2309.	1.9	7
35	A rapid and robust gradient measurement technique using dynamic single-point imaging. Magnetic Resonance in Medicine, 2017, 78, 950-962.	1.9	18
36	Dosimetric comparison of DEFGEL and PAGAT formulae paired with an MRI acquisition. Journal of Physics: Conference Series, 2017, 847, 012012.	0.3	4

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37	Ramped hybrid encoding for improved ultrashort echo time imaging. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 814-825.	1.9	35
38	Accelerated 4D quantitative single point EPR imaging using model-based reconstruction. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1692-1701.	1.9	8
39	Single Acquisition Quantitative Single-Point Electron Paramagnetic Resonance Imaging. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1173-1181.	1.9	18
40	Evaluation of partial k-space strategies to speed up time-domain EPR imaging. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 745-753.	1.9	9
41	Reporting of quantitative oxygen mapping in EPR imaging. <i>Journal of Magnetic Resonance</i> , 2012, 214, 244-251.	1.2	20
42	Voxel-based morphometry of unilateral temporal lobe epilepsy reveals abnormalities in cerebral white matter. <i>NeuroImage</i> , 2004, 23, 167-174.	2.1	77
43	Gadolinium-Based Contrast Agent Attenuation Does Not Impact PET Quantification in Simultaneous Dynamic Contrast Enhanced Breast PET/MR. <i>Medical Physics</i> , 0, , .	1.6	1