Alan B Mcmillan

List of Publications by Year
in descending order

43	1,187	471061	395343
papers	citations	17 h-index	33 g-index

46	46	46	1616
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep Learning MR Imagingâ€“based Attenuation Correction for PET/MR Imaging. Radiology, 2018, 286, 676-684.	3.6	315
2	Dynamic whole-body PET imaging: principles, potentials and applications. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 501-518.	3.3	145
3	A deep learning approach for 18F-FDG PET attenuation correction. EJNMMI Physics, 2018, 5, 24.	1.3	88
4	Voxel-based morphometry of unilateral temporal lobe epilepsy reveals abnormalities in cerebral white matter. NeuroImage, 2004, 23, 167-174.	2.1	77
5	Technical Note: Deep learning based <scp>MRAC</scp> using rapid ultrashort echo time imaging. Medical Physics, 2018, 45, 3697-3704.	1.6	49
6	<scp>MR</scp>â€based treatment planning in radiation therapy using a deep learning approach. Journal of Applied Clinical Medical Physics, 2019, 20, 105-114.	0.8	47
7	Ramped hybrid encoding for improved ultrashort echo time imaging. Magnetic Resonance in Medicine, 2016, 76, 814-825.	1.9	35
8	Dielectric properties of 3D-printed materials for anatomy specific 3D-printed MRI coils. Journal of Magnetic Resonance, 2018, 289, 113-121.	1.2	32
9	Application and Construction of Deep Learning Networks in Medical Imaging. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 137-159.	2.7	29
10	[68ÂGa]Ga-FAPI-46 PET for non-invasive detection of pulmonary fibrosis disease activity. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 3705-3716.	3.3	29
11	Changes in Endogenous Dopamine Induced by Methylphenidate Predict Functional Connectivity in Nonhuman Primates. Journal of Neuroscience, 2019, 39, 1436-1444.	1.7	24
12	Rapid dualâ€echo ramped hybrid encoding <scp>MR</scp>â€based attenuation correction (d<scp>RHEâ€MRAC</scp>) for <scp>PET/MR</scp>. Magnetic Resonance in Medicine, 2018, 79, 2912-2922.	1.9	23
13	Monitoring Fatty Liver Disease with MRI Following Bariatric Surgery: A Prospective, Dual-Center Study. Radiology, 2019, 290, 682-690.	3.6	22
14	Reporting of quantitative oxygen mapping in EPR imaging. Journal of Magnetic Resonance, 2012, 214, 244-251.	1.2	20
15	Single Acquisition Quantitative Singleâ€Point Electron Paramagnetic Resonance Imaging. Magnetic Resonance in Medicine, 2013, 70, 1173-1181.	1.9	18
16	A rapid and robust gradient measurement technique using dynamic singleâ€point imaging. Magnetic Resonance in Medicine, 2017, 78, 950-962.	1.9	18
17	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. Abdominal Radiology, 2020, 45, 661-671.	1.0	16
18	Staging Liver Fibrosis by Fibroblast Activation Protein Inhibitor PET in a Human-Sized Swine Model. Journal of Nuclear Medicine, 2022, 63, 1956-1961.	2.8	16

#	Article	IF	Citations
19	Artificial Intelligenceâ€“Based Data Corrections for Attenuation and Scatter in Position Emission Tomography and Single-Photon Emission Computed Tomography. PET Clinics, 2021, 16, 543-552.	1.5	12
20	Synthetic Computed Tomography Generation from 0.35T Magnetic Resonance Images for Magnetic Resonanceâ€“Only Radiation Therapy Planning Using Perceptual Loss Models. Practical Radiation Oncology, 2022, 12, e40-e48.	1.1	10
21	Evaluation of Data-Driven Rigid Motion Correction in Clinical Brain PET Imaging. Journal of Nuclear Medicine, 2022, 63, 1604-1610.	2.8	10
22	Evaluation of partial k-space strategies to speed up time-domain EPR imaging. Magnetic Resonance in Medicine, 2013, 70, 745-753.	1.9	9
23	Fully phaseâ€encoded MRI near metallic implants using ultrashort echo times and broadband excitation. Magnetic Resonance in Medicine, 2018, 79, 2156-2163.	1.9	9
24	Simultaneous determination of dynamic cardiac metabolism and function using PET/MRI. Journal of Nuclear Cardiology, 2019, 26, 1946-1957.	1.4	9
25	Measuring Glucose Uptake in Primary Invasive Breast Cancer Using Simultaneous Time-of-Flight Breast PET/MRI: A Method Comparison Study with Prone PET/CT. Radiology Imaging Cancer, 2021, 3, e200091.	0.7	9
26	Optimizing the frame duration for dataâ€driven rigid motion estimation in brain PET imaging. Medical Physics, 2021, 48, 3031-3041.	1.6	9
27	Accelerated 4D quantitative single point EPR imaging using modelâ€based reconstruction. Magnetic Resonance in Medicine, 2015, 73, 1692-1701.	1.9	8
28	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
29	Rapid single scan ramped hybridâ€encoding for bicomponent T2* mapping in a human knee joint: A feasibility study. NMR in Biomedicine, 2020, 33, e4391.	1.6	7
30	Making Your AI Smarter: Continuous Learning Artificial Intelligence for Radiology. Radiology, 2020, 297, 15-16.	3.6	6
31	PET Image Quality Improvement for Simultaneous PET/MRI with a Lightweight MRI Surface Coil. Radiology, 2021, 298, 166-172.	3.6	6
32	A Path to Qualification of PET/MRI Scanners for Multicenter Brain Imaging Studies: Evaluation of MRI-Based Attenuation Correction Methods Using a Patient Phantom. Journal of Nuclear Medicine, 2022, 63, 615-621.	2.8	6
33	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
34	Multi-Channel Deep Neural Network For Temporal Lobe Epilepsy Classification Using Multimodal Mri Data. , 2020, , .		5
35	Anatomy and Physiology of Artificial Intelligence in PET Imaging. PET Clinics, 2021, 16, 471-482.	1.5	5
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	Robustifying Deep Networks for Medical Image Segmentation. Journal of Digital Imaging, 2021, 34, 1279-1293.	1.6	4
38	Accelerated electron paramagnetic resonance imaging using partial Fourier compressed sensing reconstruction. Magnetic Resonance Imaging, 2017, 37, 90-99.	1.0	2
39	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
40	Dynamic FDG PET Imaging to Probe for Cardiac Metabolic Remodeling in Adults Born Premature. Journal of Clinical Medicine, 2021, 10, 1301.	1.0	2
41	First-in-human imaging using a MR-compatible e4D ultrasound probe for motion management of radiotherapy. Physica Medica, 2021, 88, 104-110.	0.4	2
42	Amyloid deposition on positron emission tomography correlates with severity of perioperative delirium: a case-control pilot study. British Journal of Anaesthesia, 2022, , .	1.5	2
43	Gadoliniumâ€Based Contrast Agent Attenuation Does Not Impact PET Quantification in Simultaneous Dynamic Contrast Enhanced Breast PET/MR. Medical Physics, 0, , .	1.6	1