Colm J Mcginnity

List of Publications by Year
in descending order

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Version: 2024-02-01

33 papers	567 citations	623734 14 h-index	642732 23 g-index
36 all docs	36 docs citations	36 times ranked	979 citing authors

#	Article	IF	Citations
1	Attenuation of proliferation in oligodendrocyte precursor cells by activated microglia. Journal of Neuroscience Research, 2010, 88, 1632-1644.	2.9	89
2	Initial Evaluation of 18F-GE-179, a Putative PET Tracer for Activated N-Methyl d-Aspartate Receptors. Journal of Nuclear Medicine, 2014, 55, 423-430.	5.0	68
3	MR-Guided Kernel EM Reconstruction for Reduced Dose PET Imaging. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 235-243.	3.7	52
4	NMDA receptor binding in focal epilepsies. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 1150-1157.	1.9	45
5	On brain atlas choice and automatic segmentation methods: a comparison of MAPER & FreeSurfer using three atlas databases. Scientific Reports, 2020, 10, 2837.	3.3	31
6	Wavelet-based resolution recovery using an anatomical prior provides quantitative recovery for human population phantom PET [11C]raclopride data. Physics in Medicine and Biology, 2012, 57, 3107-3122.	3.0	20
7	Risk factors for reading disability in families with rolandic epilepsy. Epilepsy and Behavior, 2015, 53, 174-179.	1.7	20
8	Decreased functional connectivity within a language subnetwork in benign epilepsy with centrotemporal spikes. Epilepsia Open, 2017, 2, 214-225.	2.4	19
9	Intercomparison of MRâ€informed PET image reconstruction methods. Medical Physics, 2019, 46, 5055-5074.	3.0	19
10	Partial Volume Correction using Structuralâ€“Functional Synergistic Resolution Recovery: Comparison with Geometric Transfer Matrix Method. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 914-920.	4.3	18
11	Spatially Compact MR-Guided Kernel EM for PET Image Reconstruction. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 470-482.	3.7	18
12	Testâ€“retest reproducibility of cannabinoid-receptor type 1 availability quantified with the PET ligand [11C]MePPEP. NeuroImage, 2014, 97, 151-162.	4.2	17
13	Test-retest reproducibility of quantitative binding measures of [11 C]Ro15-4513, a PET ligand for GABA A receptors containing alpha5 subunits. NeuroImage, 2017, 152, 270-282.	4.2	17
14	Multiâ€modal synergistic PET and MR reconstruction using mutually weighted quadratic priors. Magnetic Resonance in Medicine, 2019, 81, 2120-2134.	3.0	17
15	Quantification of opioid receptor availability following spontaneous epileptic seizures: Correction of [11C]diprenorphine PET data for the partial-volume effect. NeuroImage, 2013, 79, 72-80.	4.2	16
16	N-methyl-D-aspartate receptor availability in first-episode psychosis: a PET-MR brain imaging study. Translational Psychiatry, 2021, 11, 425.	4.8	14
17	Multitracer Guided PET Image Reconstruction. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 499-509.	3.7	13
18	Comment on â€œIn Vivo [¹⁸F]GE-179 Brain Signal Does Not Show NMDA-Specific Modulation with Drug Challenges in Rodents and Nonhuman Primatesâ€• ACS Chemical Neuroscience, 2019, 10, 768-772.	3.5	11

#	Article	IF	Citations
19	Using [11C]Ro15 4513 PET to characterise GABA-benzodiazepine receptors in opiate addiction: Similarities and differences with alcoholism. NeuroImage, 2016, 132, 1-7.	4.2	10
20	Error propagation analysis of seven partial volume correction algorithms for [18F]THK-5351 brain PET imaging. EJNMMI Physics, 2020, 7, 57.	2.7	8
21	Pseudo-normal PET Synthesis with Generative Adversarial Networks for Localising Hypometabolism in Epilepsies. Lecture Notes in Computer Science, 2019, , 42-51.	1.3	7
22	Î±lpha 5 subunit-containing GABAA receptors in temporal lobe epilepsy with normal MRI. Brain Communications, 2021, 3, fcaa190.	3.3	5
23	Simplifying [18F]GE-179 PET: are both arterial blood sampling and 90-min acquisitions essential?. EJNMMI Research, 2018, 8, 46.	2.5	4
24	Motionâ€corrected and highâ€resolution anatomically assisted (MOCHA) reconstruction of arterial spin labeling MRI. Magnetic Resonance in Medicine, 2020, 84, 1306-1320.	3.0	4
25	Clinical Assessment Of MR-Assisted PET Image Reconstruction Algorithms for Low-Dose Brain PET Imaging. , 2019, , .		3
26	A Retrospective Case Series Analysis of the Relationship Between Phenylalanine: Tyrosine Ratio and Cerebral Glucose Metabolism in Classical Phenylketonuria and Hyperphenylalaninemia. Frontiers in Neuroscience, 2021, 15, 664525.	2.8	3
27	Guided Image Reconstruction for Multi-Tracer PET. , 2017, , .		2
28	Decreased GABA-A Receptor Binding in Association With Î²-Lactam Antibiotic Use. Clinical Nuclear Medicine, 2019, 44, 981-982.	1.3	2
29	MR-Resolution Kernel Method for PET Reconstruction. , 2017, , .		1
30	Modelling Continuous Arterial Blood Data from MR-Compatible Sampler in Simultenous Pet-MRI Experiments. , 2019, , .		1
31	Wavelet-based resolution recovery using anatomical prior provides quantitative recovery for human population phantom PET [¹¹C]raclopride data. , 2011, , .		0
32	Multi-modal weighted quadratic priors for robust intensity independent synergistic PET-MR reconstruction. , 2017, , .		0
33	Intercomparison of MR-Informed Methods for PET Image Reconstruction. , 2018, , .		0