

Colm J Mcginnity

List of Publications by Year in descending order

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36
all docs

36
docs citations

36
times ranked

979
citing authors

#	ARTICLE	IF	CITATIONS
1	Îlpha 5 subunit-containing GABAA receptors in temporal lobe epilepsy with normal MRI. Brain Communications, 2021, 3, fcaa190.	3.3	5
2	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
3	N-methyl-D-aspartate receptor availability in first-episode psychosis: a PET-MR brain imaging study. Translational Psychiatry, 2021, 11, 425.	4.8	14
4	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
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	Error propagation analysis of seven partial volume correction algorithms for [18F]THK-5351 brain PET imaging. EJNMMI Physics, 2020, 7, 57.	2.7	8
7	Intercomparison of MRâ€informed PET image reconstruction methods. Medical Physics, 2019, 46, 5055-5074.	3.0	19
8	Clinical Assessment Of MR-Assisted PET Image Reconstruction Algorithms for Low-Dose Brain PET Imaging. , 2019, , .		3
9	Decreased GABA-A Receptor Binding in Association With Î²-Lactam Antibiotic Use. Clinical Nuclear Medicine, 2019, 44, 981-982.	1.3	2
10	Modelling Continuous Arterial Blood Data from MR-Compatible Sampler in Simultaneous Pet-MRI Experiments. , 2019, , .		1
11	Comment on â€œ <i>In Vivo</i> ¹⁸F</sup>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
12	Multiâ€modal synergistic PET and MR reconstruction using mutually weighted quadratic priors. Magnetic Resonance in Medicine, 2019, 81, 2120-2134.	3.0	17
13	Pseudo-normal PET Synthesis with Generative Adversarial Networks for Localising Hypometabolism in Epilepsies. Lecture Notes in Computer Science, 2019, , 42-51.	1.3	7
14	Intercomparison of MR-Informed Methods for PET Image Reconstruction. , 2018, , .		0
15	Simplifying [18F]GE-179 PET: are both arterial blood sampling and 90-min acquisitions essential?. EJNMMI Research, 2018, 8, 46.	2.5	4
16	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
17	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
18	Multitracer Guided PET Image Reconstruction. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 499-509.	3.7	13

#	ARTICLE	IF	CITATIONS
19	Decreased functional connectivity within a language subnetwork in benign epilepsy with centrotemporal spikes. <i>Epilepsia Open</i> , 2017, 2, 214-225.	2.4	19
20	Test-retest reproducibility of quantitative binding measures of [¹¹ C]Ro15-4513, a PET ligand for GABA A receptors containing alpha5 subunits. <i>NeuroImage</i> , 2017, 152, 270-282.	4.2	17
21	Multi-modal weighted quadratic priors for robust intensity independent synergistic PET-MR reconstruction. , 2017, , .		0
22	MR-Resolution Kernel Method for PET Reconstruction. , 2017, , .		1
23	Guided Image Reconstruction for Multi-Tracer PET. , 2017, , .		2
24	Using [¹¹ C]Ro15 4513 PET to characterise GABA-benzodiazepine receptors in opiate addiction: Similarities and differences with alcoholism. <i>NeuroImage</i> , 2016, 132, 1-7.	4.2	10
25	NMDA receptor binding in focal epilepsies. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 1150-1157.	1.9	45
26	Risk factors for reading disability in families with rolandic epilepsy. <i>Epilepsy and Behavior</i> , 2015, 53, 174-179.	1.7	20
27	Test-retest reproducibility of cannabinoid-receptor type 1 availability quantified with the PET ligand [¹¹ C]MePPEP. <i>NeuroImage</i> , 2014, 97, 151-162.	4.2	17
28	Initial Evaluation of 18F-GE-179, a Putative PET Tracer for Activated N-Methyl d-Aspartate Receptors. <i>Journal of Nuclear Medicine</i> , 2014, 55, 423-430.	5.0	68
29	Quantification of opioid receptor availability following spontaneous epileptic seizures: Correction of [¹¹ C]diprenorphine PET data for the partial-volume effect. <i>NeuroImage</i> , 2013, 79, 72-80.	4.2	16
30	Partial Volume Correction using Structural-Functional Synergistic Resolution Recovery: Comparison with Geometric Transfer Matrix Method. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 914-920.	4.3	18
31	Wavelet-based resolution recovery using an anatomical prior provides quantitative recovery for human population phantom PET [¹¹ C]raclopride data. <i>Physics in Medicine and Biology</i> , 2012, 57, 3107-3122.	3.0	20
32	Wavelet-based resolution recovery using anatomical prior provides quantitative recovery for human population phantom PET [¹¹ C]raclopride data. , 2011, , .		0
33	Attenuation of proliferation in oligodendrocyte precursor cells by activated microglia. <i>Journal of Neuroscience Research</i> , 2010, 88, 1632-1644.	2.9	89