Olivier G Rousset

List of Publications by Year
in descending order

23 papers	1,591 citations	567281 15 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	2154 citing authors

#	Article	IF	Citations
1	Increased Occupancy of Dopamine Receptors in Human Striatum during Cue-Elicited Cocaine Craving. Neuropsychopharmacology, 2006, 31, 2716-2727.	5.4	280
2	Dopamine transporters are markedly reduced in Lesch-Nyhan disease in vivo.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5539-5543.	7.1	227
3	Mechanisms of Dopaminergic and Serotonergic Neurotransmission in Tourette Syndrome: Clues from an In Vivo Neurochemistry Study with PET. Neuropsychopharmacology, 2008, 33, 1239-1251.	5.4	227
4	Partial Volume Correction Strategies in PET. PET Clinics, 2007, 2, 235-249.	3.0	154
5	Accurate Event-Driven Motion Compensation in High-Resolution PET Incorporating Scattered and Random Events. IEEE Transactions on Medical Imaging, 2008, 27, 1018-1033.	8.9	132
6	Strategies for Motion Tracking and Correction in PET. PET Clinics, 2007, 2, 251-266.	3.0	117
7	Design and Implementation of an Automated Partial Volume Correction in PET: Application to Dopamine Receptor Quantification in the Normal Human Striatum. Journal of Nuclear Medicine, 2008, 49, 1097-1106.	5.0	96
8	Effect of partial volume correction on estimates of the influx and cerebral metabolism of 6-[18F]fluoro-L-dopa studied with PET in normal control and Parkinson's disease subjects. Synapse, 2000, 37, 81-89.	1.2	65
9	Characterization of age/sex and the regional distribution of mGluR5 availability in the healthy human brain measured by high-resolution [11C]ABP688 PET. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 152-162.	6.4	58
10	An In Vivo Evaluation of Cerebral Cortical Amyloid with [18F]Flutemetamol Using Positron Emission Tomography Compared with Parietal Biopsy Samples in Living Normal Pressure Hydrocephalus Patients. Molecular Imaging and Biology, 2013, 15, 230-237.	2.6	36
11	Mu Opioid Receptor Binding Correlates with Nicotine Dependence and Reward in Smokers. PLoS ONE, 2014, 9, e113694.	2.5	36
12	System matrix modelling of externally tracked motion. Nuclear Medicine Communications, 2008, 29, 574-581.	1.1	29
13	Single photon emission computed tomography experience with (*S*)â€5â€[123I]iodoâ€3â€(2â€azetidinylmethoxy)pyridine in the living human brain of smokers and nonsmokers. Synapse, 2009, 63, 339-358.	1.2	24
14	Metabotropic Glutamate Receptor Type 5 (mGluR5) Cortical Abnormalities in Focal Cortical Dysplasia Identified In Vivo With [11C]ABP688 Positron-Emission Tomography (PET) Imaging. Cerebral Cortex, 2016, 26, 4170-4179.	2.9	22
15	3D simulations of radiotracer uptake in deep nuclei of human brain. Computerized Medical Imaging and Graphics, 1993, 17, 373-379.	5.8	17
16	Pixel- versus Region-Based Partial Volume Correction in PET 1 1Transcripts of the BRAINPET97 discussion of this chapter can be found in Section VIII.. , 1998, , 67-75.		17
17	Are dopamine receptor and transporter changes in Rett syndrome reflected in Mecp2-deficient mice?. Experimental Neurology, 2018, 307, 74-81.	4.1	15
18	Positron emission tomography--a tool for identifying the effects of alcohol dependence on the brain. Alcohol Research, 2003, 27, 161-73.	1.0	14

#	Article	IF	Citations
19	On the Rate of Decarboxylation of Dopa to Dopamine in Living Mammalian Brain. Annals of the New York Academy of Sciences, 1997, 835, 274-308.	3.8	12
20	Deconvolution-based partial volume correction of PET images with parallel level set regularization. Physics in Medicine and Biology, 2021, 66, 145003.	3.0	6
21	Large-scale mGluR5 network abnormalities linked to epilepsy duration in focal cortical dysplasia. NeuroImage: Clinical, 2021, 29, 102552.	2.7	3
22	In vivo hippocampal cornu ammonis 1â€"3 glutamatergic abnormalities are associated with temporal lobe epilepsy surgery outcomes. Epilepsia, 2021, 62, 1559-1568.	5.1	3
23	Motion-incorporated partial volume correction: Methodology and validation. , 2010, , .		0