

Joseph B Mandeville

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

2,242
citations

20
h-index

29
g-index

29
ext. papers

2,483
ext. citations

7.9
avg, IF

4.26
L-index

#	Paper	IF	Citations
27	Assessment of motion and model bias on the detection of dopamine response to behavioral challenge.. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022 , 271678X221078616	7.3	0
26	A reference tissue forward model for improved PET accuracy using within-scan displacement studies.. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 271678X211065212	7.3	
25	Awake Mouse Imaging: From Two-Photon Microscopy to Blood Oxygen Level-Dependent Functional Magnetic Resonance Imaging. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 533-542	3.4	27
24	Effects of flow changes on radiotracer binding: Simultaneous measurement of neuroreceptor binding and cerebral blood flow modulation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 131-146	7.3	22
23	Aspm knockout ferret reveals an evolutionary mechanism governing cerebral cortical size. <i>Nature</i> , 2018 , 556, 370-375	50.4	77
22	Rodent Cerebral Blood Volume (CBV) changes during hypercapnia observed using Magnetic Particle Imaging (MPI) detection. <i>NeuroImage</i> , 2018 , 178, 713-720	7.9	28
21	Functional Characterization of 5-HT Receptor Drugs in Nonhuman Primates Using Simultaneous PET-MR. <i>Journal of Neuroscience</i> , 2017 , 37, 10671-10678	6.6	9
20	Translational MR Neuroimaging of Stroke and Recovery. <i>Translational Stroke Research</i> , 2017 , 8, 22-32	7.8	26
19	Imaging Agonist-Induced D2/D3 Receptor Desensitization and Internalization In Vivo with PET/fMRI. <i>Neuropsychopharmacology</i> , 2016 , 41, 1427-36	8.7	40
18	A regularized full reference tissue model for PET neuroreceptor mapping. <i>NeuroImage</i> , 2016 , 139, 405-414	7.4	6
17	Dynamic functional imaging of brain glucose utilization using fPET-FDG. <i>NeuroImage</i> , 2014 , 100, 192-9	7.9	78
16	Data collection and analysis strategies for phMRI. <i>Neuropharmacology</i> , 2014 , 84, 65-78	5.5	15
15	A receptor-based model for dopamine-induced fMRI signal. <i>NeuroImage</i> , 2013 , 75, 46-57	7.9	42
14	Neurovascular coupling to D2/D3 dopamine receptor occupancy using simultaneous PET/functional MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 11169-74	11.5	84
13	IRON fMRI measurements of CBV and implications for BOLD signal. <i>NeuroImage</i> , 2012 , 62, 1000-8	7.9	35
12	fMRI of cocaine self-administration in macaques reveals functional inhibition of basal ganglia. <i>Neuropsychopharmacology</i> , 2011 , 36, 1187-98	8.7	40
11	Spin-echo MRI underestimates functional changes in microvascular cerebral blood plasma volume using exogenous contrast agent. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 769-76	4.4	9

10	Exogenous contrast agent improves sensitivity of gradient-echo functional magnetic resonance imaging at 9.4 T. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 1272-81	4.4	76
9	Improved mapping of pharmacologically induced neuronal activation using the IRON technique with superparamagnetic blood pool agents. <i>Journal of Magnetic Resonance Imaging</i> , 2001 , 14, 517-24	5.6	66
8	Regional sensitivity and coupling of BOLD and CBV changes during stimulation of rat brain. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 443-7	4.4	116
7	Evidence of a cerebrovascular postarteriole windkessel with delayed compliance. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999 , 19, 679-89	7.3	426
6	Investigation of the early response to rat forepaw stimulation. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 247-52	4.4	75
5	Vascular filters of functional MRI: spatial localization using BOLD and CBV contrast. <i>Magnetic Resonance in Medicine</i> , 1999 , 42, 591-8	4.4	109
4	MRI measurement of the temporal evolution of relative CMRO(2) during rat forepaw stimulation. <i>Magnetic Resonance in Medicine</i> , 1999 , 42, 944-51	4.4	194
3	Investigation of the early response to rat forepaw stimulation 1999 , 41, 247		1
2	Dynamic functional imaging of relative cerebral blood volume during rat forepaw stimulation. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 615-24	4.4	500
1	Improving MR quantification of regional blood volume with intravascular T1 contrast agents: accuracy, precision, and water exchange. <i>Magnetic Resonance in Medicine</i> , 1996 , 36, 858-67	4.4	141