

# Joseph B Mandeville

## List of Publications by Citations

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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	Dynamic functional imaging of relative cerebral blood volume during rat forepaw stimulation. <i>Magnetic Resonance in Medicine</i> , <b>1998</b> , 39, 615-24	4.4	500
26	Evidence of a cerebrovascular postarteriole windkessel with delayed compliance. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1999</b> , 19, 679-89	7.3	426
25	MRI measurement of the temporal evolution of relative CMRO(2) during rat forepaw stimulation. <i>Magnetic Resonance in Medicine</i> , <b>1999</b> , 42, 944-51	4.4	194
24	Improving MR quantification of regional blood volume with intravascular T1 contrast agents: accuracy, precision, and water exchange. <i>Magnetic Resonance in Medicine</i> , <b>1996</b> , 36, 858-67	4.4	141
23	Regional sensitivity and coupling of BOLD and CBV changes during stimulation of rat brain. <i>Magnetic Resonance in Medicine</i> , <b>2001</b> , 45, 443-7	4.4	116
22	Vascular filters of functional MRI: spatial localization using BOLD and CBV contrast. <i>Magnetic Resonance in Medicine</i> , <b>1999</b> , 42, 591-8	4.4	109
21	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> , <b>2013</b> , 110, 11169-74	11.5	84
20	Dynamic functional imaging of brain glucose utilization using fPET-FDG. <i>NeuroImage</i> , <b>2014</b> , 100, 192-9	7.9	78
19	Aspm knockout ferret reveals an evolutionary mechanism governing cerebral cortical size. <i>Nature</i> , <b>2018</b> , 556, 370-375	50.4	77
18	Exogenous contrast agent improves sensitivity of gradient-echo functional magnetic resonance imaging at 9.4 T. <i>Magnetic Resonance in Medicine</i> , <b>2004</b> , 52, 1272-81	4.4	76
17	Investigation of the early response to rat forepaw stimulation. <i>Magnetic Resonance in Medicine</i> , <b>1999</b> , 41, 247-52	4.4	75
16	Improved mapping of pharmacologically induced neuronal activation using the IRON technique with superparamagnetic blood pool agents. <i>Journal of Magnetic Resonance Imaging</i> , <b>2001</b> , 14, 517-24	5.6	66
15	A receptor-based model for dopamine-induced fMRI signal. <i>NeuroImage</i> , <b>2013</b> , 75, 46-57	7.9	42
14	Imaging Agonist-Induced D2/D3 Receptor Desensitization and Internalization In Vivo with PET/fMRI. <i>Neuropsychopharmacology</i> , <b>2016</b> , 41, 1427-36	8.7	40
13	fMRI of cocaine self-administration in macaques reveals functional inhibition of basal ganglia. <i>Neuropsychopharmacology</i> , <b>2011</b> , 36, 1187-98	8.7	40
12	IRON fMRI measurements of CBV and implications for BOLD signal. <i>NeuroImage</i> , <b>2012</b> , 62, 1000-8	7.9	35
11	Rodent Cerebral Blood Volume (CBV) changes during hypercapnia observed using Magnetic Particle Imaging (MPI) detection. <i>NeuroImage</i> , <b>2018</b> , 178, 713-720	7.9	28

10	Awake Mouse Imaging: From Two-Photon Microscopy to Blood Oxygen Level-Dependent Functional Magnetic Resonance Imaging. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , <b>2019</b> , 4, 533-542	3.4	27
9	Translational MR Neuroimaging of Stroke and Recovery. <i>Translational Stroke Research</i> , <b>2017</b> , 8, 22-32	7.8	26
8	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> , <b>2019</b> , 39, 131-146	7.3	22
7	Data collection and analysis strategies for phMRI. <i>Neuropharmacology</i> , <b>2014</b> , 84, 65-78	5.5	15
6	Functional Characterization of 5-HT Receptor Drugs in Nonhuman Primates Using Simultaneous PET-MR. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 10671-10678	6.6	9
5	Spin-echo MRI underestimates functional changes in microvascular cerebral blood plasma volume using exogenous contrast agent. <i>Magnetic Resonance in Medicine</i> , <b>2007</b> , 58, 769-76	4.4	9
4	A regularized full reference tissue model for PET neuroreceptor mapping. <i>NeuroImage</i> , <b>2016</b> , 139, 405-414	7.4	6
3	Investigation of the early response to rat forepaw stimulation		1
2	Assessment of motion and model bias on the detection of dopamine response to behavioral challenge.. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2022</b> , 271678X221078616	7.3	0
1	A reference tissue forward model for improved PET accuracy using within-scan displacement studies.. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2021</b> , 271678X211065212	7.3	