

Matthew M Cheung

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,309
citations

623734

14
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

1702
citing authors

#	ARTICLE	IF	CITATIONS
1	MR diffusion kurtosis imaging for neural tissue characterization. NMR in Biomedicine, 2010, 23, 836-848.	2.8	278
2	Does diffusion kurtosis imaging lead to better neural tissue characterization? A rodent brain maturation study. NeuroImage, 2009, 45, 386-392.	4.2	241
3	Towards better MR characterization of neural tissues using directional diffusion kurtosis analysis. NeuroImage, 2008, 42, 122-134.	4.2	236
4	B-value dependence of DTI quantitation and sensitivity in detecting neural tissue changes. NeuroImage, 2010, 49, 2366-2374.	4.2	107
5	MRI of late microstructural and metabolic alterations in radiation-induced brain injuries. Journal of Magnetic Resonance Imaging, 2009, 29, 1013-1020.	3.4	82
6	In vivo retinotopic mapping of superior colliculus using manganese-enhanced magnetic resonance imaging. NeuroImage, 2011, 54, 389-395.	4.2	56
7	Functional MRI of postnatal visual development in normal and hypoxic-ischemic-injured superior colliculi. NeuroImage, 2010, 49, 2013-2020.	4.2	47
8	BOLD fMRI investigation of the rat auditory pathway and tonotopic organization. NeuroImage, 2012, 60, 1205-1211.	4.2	43
9	BOLD responses in the superior colliculus and lateral geniculate nucleus of the rat viewing an apparent motion stimulus. NeuroImage, 2011, 58, 878-884.	4.2	35
10	BOLD Temporal Dynamics of Rat Superior Colliculus and Lateral Geniculate Nucleus following Short Duration Visual Stimulation. PLoS ONE, 2011, 6, e18914.	2.5	34
11	High fidelity tonotopic mapping using swept source functional magnetic resonance imaging. NeuroImage, 2012, 61, 978-986.	4.2	26
12	Balanced steady-state free precession fMRI with intravascular susceptibility contrast agent. Magnetic Resonance in Medicine, 2012, 68, 65-73.	3.0	25
13	Functional magnetic resonance imaging of sound pressure level encoding in the rat central auditory system. NeuroImage, 2013, 65, 119-126.	4.2	21
14	Noninvasive fMRI Investigation of Interaural Level Difference Processing in the Rat Auditory Subcortex. PLoS ONE, 2013, 8, e70706.	2.5	17
15	In vivo diffusion tensor imaging of chronic spinal cord compression in rat model. , 2009, 2009, 2715-8.		16
16	Bilateral substantia nigra and pyramidal tract changes following experimental intracerebral hemorrhage: an MR diffusion tensor imaging study. NMR in Biomedicine, 2013, 26, 1089-1095.	2.8	15
17	IN VIVOMULTIPARAMETRIC MAGNETIC RESONANCE IMAGING AND SPECTROSCOPY OF RODENT VISUAL SYSTEM. Journal of Integrative Neuroscience, 2010, 09, 477-508.	1.7	13
18	Effect of diffusion time on liver DWI: An experimental study of normal and fibrotic livers. Magnetic Resonance in Medicine, 2014, 72, 1389-1396.	3.0	12

#	ARTICLE	IF	CITATIONS
19	Diffusion imaging with balanced steady state free precession. , 2012, 2012, 90-3.		3
20	In vivo MRI study of the visual system in normal, developing and injured rodent brains. , 2010, 2010, 5689-92.		2