

# Edward S Hui

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,542  
citations

516710

16  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2106  
citing authors

#	ARTICLE	IF	CITATIONS
1	Does diffusion kurtosis imaging lead to better neural tissue characterization? A rodent brain maturation study. <i>NeuroImage</i> , 2009, 45, 386-392.	4.2	241
2	Towards better MR characterization of neural tissues using directional diffusion kurtosis analysis. <i>NeuroImage</i> , 2008, 42, 122-134.	4.2	236
3	Stroke Assessment With Diffusional Kurtosis Imaging. <i>Stroke</i> , 2012, 43, 2968-2973.	2.0	206
4	Prenatal Immune Challenge Is an Environmental Risk Factor for Brain and Behavior Change Relevant to Schizophrenia: Evidence from MRI in a Mouse Model. <i>PLoS ONE</i> , 2009, 4, e6354.	2.5	128
5	B-value dependence of DTI quantitation and sensitivity in detecting neural tissue changes. <i>NeuroImage</i> , 2010, 49, 2366-2374.	4.2	107
6	Functional deficits induced by cortical microinfarcts. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3599-3614.	4.3	84
7	Histological correlation of diffusional kurtosis and white matter modeling metrics in cuprizone-induced corpus callosum demyelination. <i>NMR in Biomedicine</i> , 2014, 27, 948-957.	2.8	80
8	Spatiotemporal dynamics of diffusional kurtosis, mean diffusivity and perfusion changes in experimental stroke. <i>Brain Research</i> , 2012, 1451, 100-109.	2.2	76
9	Diffusional Kurtosis and Diffusion Tensor Imaging Reveal Different Time-Sensitive Stroke-Induced Microstructural Changes. <i>Stroke</i> , 2015, 46, 545-550.	2.0	72
10	Voxel-based analysis of postnatal white matter microstructure in mice exposed to immune challenge in early or late pregnancy. <i>NeuroImage</i> , 2010, 52, 1-8.	4.2	55
11	Microvascular basis for growth of small infarcts following occlusion of single penetrating arterioles in mouse cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1357-1373.	4.3	47
12	Kurtosis analysis of neural diffusion organization. <i>NeuroImage</i> , 2015, 106, 391-403.	4.2	32
13	In vivo DTI assessment of hepatic ischemia reperfusion injury in an experimental rat model. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 890-895.	3.4	31
14	Double-pulsed diffusional kurtosis imaging. <i>NMR in Biomedicine</i> , 2014, 27, 363-370.	2.8	31
15	Issue Information. <i>NMR in Biomedicine</i> , 2014, 27, 363-70.	2.8	19
16	Application of diffusional kurtosis imaging to detect occult brain damage in multiple sclerosis and neuromyelitis optica. <i>NMR in Biomedicine</i> , 2016, 29, 1536-1545.	2.8	19
17	In vivo diffusion tensor imaging of chronic spinal cord compression in rat model. , 2009, 2009, 2715-8.		16
18	Evidence of altered age-related brain cytoarchitecture in mouse models of down syndrome: a diffusional kurtosis imaging study. <i>Magnetic Resonance Imaging</i> , 2015, 33, 437-447.	1.8	14

#	ARTICLE	IF	CITATIONS
19	Magnetic Resonance Fingerprinting Using a Fast Dictionary Searching Algorithm: MRF-ZOOM. IEEE Transactions on Biomedical Engineering, 2019, 66, 1526-1535.	4.2	11
20	Functional tumour burden of peritoneal carcinomatosis derived from DWI could predict incomplete tumour debulking in advanced ovarian carcinoma. European Radiology, 2020, 30, 5551-5559.	4.5	10
21	Double-pulsed diffusional kurtosis imaging for the in vivo assessment of human brain microstructure. NeuroImage, 2015, 120, 371-381.	4.2	9
22	Sensitivity of diffusion MRI to perilesional reactive astrogliosis in focal ischemia. NMR in Biomedicine, 2017, 30, e3717.	2.8	6
23	Fast dictionary generation and searching for magnetic resonance fingerprinting. , 2017, 2017, 3256-3259.		4
24	Tensor estimation for double-pulsed diffusional kurtosis imaging. NMR in Biomedicine, 2017, 30, e3722.	2.8	3
25	MRF-ZOOM for the unbalanced steady-state free precession (ubSSFP) magnetic resonance fingerprinting. Magnetic Resonance Imaging, 2020, 65, 146-154.	1.8	2
26	Association between High Diffusion-Weighted Imaging-Derived Functional Tumor Burden of Peritoneal Carcinomatosis and Overall Survival in Patients with Advanced Ovarian Carcinoma. Korean Journal of Radiology, 2022, 23, 539.	3.4	2
27	The effects of hypercapnia on DTI quantification in anesthetized rat brain. , 2009, 2009, 2711-4.		1