Wen-Ming Luh

List of Publications by Year
in descending order

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36 papers	2,359 citations	430754 18 h-index	395590 33 g-index
38 all docs	38 docs citations	38 times ranked	3295 citing authors

#	Article	IF	Citations
1	Differentiating BOLD and non-BOLD signals in fMRI time series using multi-echo EPI. NeuroImage, 2012, 60, 1759-1770.	2.1	528
2	QUIPSS II with thin-slice TI1 periodic saturation: A method for improving accuracy of quantitative perfusion imaging using pulsed arterial spin labeling. Magnetic Resonance in Medicine, 1999, 41, 1246-1254.	1.9	460
3	Discrepancies between BOLD and flow dynamics in primary and supplementary motor areas: application of the balloon model to the interpretation of BOLD transients. NeuroImage, 2004, 21, 144-153.	2.1	226
4	Nonlinear temporal dynamics of the cerebral blood flow response. Human Brain Mapping, 2001, 13, 1-12.	1.9	183
5	Goal-Congruent Default Network Activity Facilitates Cognitive Control. Journal of Neuroscience, 2014, 34, 14108-14114.	1.7	140
6	Amygdala lesions disrupt modulation of functional MRI activity evoked by facial expression in the monkey inferior temporal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3640-8.	3.3	116
7	Articular Cartilage in the Knee: Mapping of the Physiologic Parameters at MR Imaging with a Local Gradient Coilâ€”Preliminary Results. Radiology, 1999, 210, 241-246.	3.6	74
8	Simultaneous gradient-echo/spin-echo EPI of graded ischemia in human skeletal muscle. Journal of Magnetic Resonance Imaging, 1998, 8, 1106-1113.	1.9	59
9	Turbo ASL: Arterial spin labeling with higher SNR and temporal resolution. Magnetic Resonance in Medicine, 2000, 44, 511-515.	1.9	52
10	Segregation of the human basal forebrain using resting state functional MRI. NeuroImage, 2018, 173, 287-297.	2.1	50
11	Robust resting state fMRI processing for studies on typical brain development based on multi-echo EPI acquisition. Brain Imaging and Behavior, 2015, 9, 56-73.	1.1	47
12	Pseudoâ€continuous arterial spin labeling at 7 T for human brain: Estimation and correction for offâ€resonance effects using a Prescan. Magnetic Resonance in Medicine, 2013, 69, 402-410.	1.9	42
13	Localising memory retrieval and syntactic composition: an fMRI study of naturalistic language comprehension. Language, Cognition and Neuroscience, 2019, 34, 491-510.	0.7	36
14	The effect of spatial smoothing on fMRI decoding of columnar-level organization with linear support vector machine. Journal of Neuroscience Methods, 2013, 212, 355-361.	1.3	35
15	The Integration of Functional Brain Activity from Adolescence to Adulthood. Journal of Neuroscience, 2018, 38, 3559-3570.	1.7	32
16	Intrinsic Structure of Visual Exemplar and Category Representations in Macaque Brain. Journal of Neuroscience, 2013, 33, 11346-11360.	1.7	31
17	Stereotactic Cortical Atlas of the Domestic Canine Brain. Scientific Reports, 2020, 10, 4781.	1.6	28
18	Anticipatory Posturing of the Vocal Tract Reveals Dissociation of Speech Movement Plans from Linguistic Units. PLoS ONE, 2016, 11, e0146813.	1.1	24

#	Article	IF	Citations
19	Effects of image contrast on functional MRI image registration. NeuroImage, 2013, 67, 163-174.	2.1	22
20	Estimates of locus coeruleus function with functional magnetic resonance imaging are influenced by localization approaches and the use of multi-echo data. NeuroImage, 2021, 236, 118047.	2.1	20
21	Stereotaxic Diffusion Tensor Imaging White Matter Atlas for the in vivo Domestic Feline Brain. Frontiers in Neuroanatomy, 2020, 14, 1.	0.9	19
22	Modeling hemodynamic responses in auditory cortex at 1.5ÂT using variable duration imaging acoustic noise. NeuroImage, 2010, 49, 3027-3038.	2.1	18
23	Robust fat suppression at 3T in highâ€resolution diffusionâ€weighted singleâ€shot echoâ€planar imaging of human brain. Magnetic Resonance in Medicine, 2011, 66, 1658-1665.	1.9	18
24	Gas-free calibrated fMRI with a correction for vessel-size sensitivity. NeuroImage, 2018, 169, 176-188.	2.1	16
25	Equine Stereotaxtic Population Average Brain Atlas With Neuroanatomic Correlation. Frontiers in Neuroanatomy, 2019, 13, 89.	0.9	16
26	Accurate decoding of sub-TR timing differences in stimulations of sub-voxel regions from multi-voxel response patterns. NeuroImage, 2013, 66, 623-633.	2.1	11
27	Characterizing Response to Elemental Unit of Acoustic Imaging Noise: An fMRI Study. IEEE Transactions on Biomedical Engineering, 2009, 56, 1919-1928.	2.5	8
28	In vivo detection of microstructural spinal cord lesions in dogs with degenerative myelopathy using diffusion tensor imaging. Journal of Veterinary Internal Medicine, 2021, 35, 352-362.	0.6	7
29	Diffusion tensor-based analysis of white matter in the healthy aging canine brain. Neurobiology of Aging, 2021, 105, 129-136.	1.5	7
30	Auditory Target Detection Enhances Visual Processing and Hippocampal Functional Connectivity. Frontiers in Psychology, 0, 13, .	1.1	7
31	Temporal pattern of acoustic imaging noise asymmetrically modulates activation in the auditory cortex. Hearing Research, 2016, 331, 57-68.	0.9	5
32	The use of diffusion tractography to characterize a corpus callosum malformation in a dog. Journal of Veterinary Internal Medicine, 2019, 33, 743-750.	0.6	5
33	C ardiorespiratory noise correction improves the ASL signal. Human Brain Mapping, 2018, 39, 2353-2367.	1.9	4
34	Normal diffusivity of the domestic feline brain. Journal of Comparative Neurology, 2019, 527, 1012-1023.	0.9	3
35	Effect of aging on phosphate metabolites of rat brain as revealed by the in vivo and in vitro 31P NMR measurements. Life Sciences, 1991, 48, 2057-2063.	2.0	0
36	Selected advanced imaging techniques were unable to quantify in vivo parasitic burden in heartwormâ€infested dogs. Veterinary Radiology and Ultrasound, 2021, 62, 471-475.	0.4	0