Keigo Hikishima

List of Publications by Year
in descending order

40 papers	1,763 citations	361413 20 h-index	302126 39 g-index
40 all docs	40 docs citations	40 times ranked	2688 citing authors

#	Article	IF	Citations
1	Pre-Evaluated Safe Human iPSC-Derived Neural Stem Cells Promote Functional Recovery after Spinal Cord Injury in Common Marmoset without Tumorigenicity. PLoS ONE, 2012, 7, e52787.	2.5	266
2	Visualization of peripheral nerve degeneration and regeneration: Monitoring with diffusion tensor tractography. NeuroImage, 2009, 44, 884-892.	4.2	229
3	The common marmoset as a novel animal model system for biomedical and neuroscience research applications. Seminars in Fetal and Neonatal Medicine, 2012, 17, 336-340.	2.3	185
4	Human Hepatocyte Growth Factor Promotes Functional Recovery in Primates after Spinal Cord Injury. PLoS ONE, 2011, 6, e27706.	2.5	104
5	Population-averaged standard template brain atlas for the common marmoset (Callithrix jacchus). NeuroImage, 2011, 54, 2741-2749.	4.2	84
6	Cellular composition and organization of the subventricular zone and rostral migratory stream in the adult and neonatal common marmoset brain. Journal of Comparative Neurology, 2011, 519, 690-713.	1.6	68
7	Conditions for quantitative evaluation of injured spinal cord by in vivo diffusion tensor imaging and tractography: Preclinical longitudinal study in common marmosets. NeuroImage, 2012, 63, 1841-1853.	4.2	62
8	Allogeneic Neural Stem/Progenitor Cells Derived From Embryonic Stem Cells Promote Functional Recovery After Transplantation Into Injured Spinal Cord of Nonhuman Primates. Stem Cells Translational Medicine, 2015, 4, 708-719.	3.3	58
9	Application ofq-Space Diffusion MRI for the Visualization of White Matter. Journal of Neuroscience, 2016, 36, 2796-2808.	3.6	56
10	In vivo microscopic voxel-based morphometry with a brain template to characterize strain-specific structures in the mouse brain. Scientific Reports, 2017, 7, 85.	3.3	52
11	Diffusion tensor imaging and tractography of the spinal cord: From experimental studies to clinical application. Experimental Neurology, 2013, 242, 74-82.	4.1	51
12	Atlas of the developing brain of the marmoset monkey constructed using magnetic resonance histology. Neuroscience, 2013, 230, 102-113.	2.3	49
13	Optogenetic Activation of CA1 Pyramidal Neurons at the Dorsal and Ventral Hippocampus Evokes Distinct Brain-Wide Responses Revealed by Mouse fMRI. PLoS ONE, 2015, 10, e0121417.	2.5	49
14	Parkinson Disease: Diffusion MR Imaging to Detect Nigrostriatal Pathway Loss in a Marmoset Model Treated with 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine. Radiology, 2015, 275, 430-437.	7.3	39
15	Inflammatory cascades mediate synapse elimination in spinal cord compression. Journal of Neuroinflammation, 2014, 11, 40.	7.2	34
16	Functional brain mapping using specific sensory-circuit stimulation and a theoretical graph network analysis in mice with neuropathic allodynia. Scientific Reports, 2016, 6, 37802.	3.3	30
17	Voxel-based morphometry of the marmoset brain: In vivo detection of volume loss in the substantia nigra of the MPTP-treated Parkinsonâ€™s disease model. Neuroscience, 2015, 300, 585-592.	2.3	29
18	Esophageal Carcinoma: Ex Vivo Evaluation with Diffusion-Tensor MR Imaging and Tractography at 7 T. Radiology, 2014, 272, 164-173.	7.3	25

#	Article	IF	Citations
19	Fetal sulcation and gyrification in common marmosets (Callithrix jacchus) obtained by ex vivo magnetic resonance imaging. Neuroscience, 2014, 257, 158-174.	2.3	25
20	Esophageal carcinoma: Evaluation with qâ€špace diffusionâ€weighted MR imaging ex vivo. Magnetic Resonance in Medicine, 2015, 73, 2262-2273.	3.0	22
21	Ultra-high-resolution MR imaging of esophageal carcinoma at ultra-high field strength (7.0T) ex vivo: correlation with histopathologic findings. Magnetic Resonance Imaging, 2015, 33, 413-419.	1.8	20
22	Astrocyteâ€mediated infantileâ€onset leukoencephalopathy mouse model. Glia, 2017, 65, 150-168.	4.9	20
23	In Vivo Tracing of Neural Tracts in Tiptoe Walking Yoshimura Mice by Diffusion Tensor Tractography. Spine, 2013, 38, E66-E72.	2.0	18
24	Diffusion-tensor MRI and tractography of the esophageal wall ex vivo. Journal of Magnetic Resonance Imaging, 2014, 40, 567-576.	3.4	18
25	Developmental trajectories of macroanatomical structures in common marmoset brain. Neuroscience, 2017, 364, 143-156.	2.3	18
26	Volumetric q-space imaging by 3D diffusion-weighted MRI. Magnetic Resonance Imaging, 2008, 26, 437-445.	1.8	16
27	Reconsideration of Insulin Signals Induced by Improved Laboratory Animal Diets, Japanese and American Diets, in IRS-2 Deficient Mice. Experimental and Clinical Endocrinology and Diabetes, 2009, 117, 577-586.	1.2	16
28	MRI Characterization of Paranodal Junction Failure and Related Spinal Cord Changes in Mice. PLoS ONE, 2012, 7, e52904.	2.5	16
29	Neural changes in the primate brain correlated with the evolution of complex motor skills. Scientific Reports, 2016, 6, 31084.	3.3	15
30	Gastric Carcinoma: Ex Vivo MR Imaging at 7.0 Tâ€“Correlation with Histopathologic Findings. Radiology, 2015, 275, 841-848.	7.3	13
31	Involvement of the Septo-Hippocampal Cholinergic Pathway in Association with Septal Acetylcholinesterase Upregulation in a Mouse Model of Tauopathy. Current Alzheimer Research, 2016, 14, 94-103.	1.4	13
32	Characteristics of diffusion-weighted stimulated echo pulse sequence in human skeletal muscle. Radiological Physics and Technology, 2013, 6, 92-97.	1.9	11
33	q-space MR imaging of gastric carcinoma ex vivo: Correlation with histopathologic findings. Magnetic Resonance in Medicine, 2016, 76, 602-612.	3.0	10
34	Colorectal carcinoma: Ex vivo evaluation using 3-T high-spatial-resolution quantitative T2 mapping and its correlation with histopathologic findings. Magnetic Resonance Imaging, 2017, 38, 174-181.	1.8	10
35	Enhanced Retrieval of Taste Associative Memory by Chemogenetic Activation of Locus Coeruleus Norepinephrine Neurons. Journal of Neuroscience, 2020, 40, 8367-8385.	3.6	10
36	Multidimensional MRI-CT atlas of the naked mole-rat brain (Heterocephalus glaber). Frontiers in Neuroanatomy, 2013, 7, 45.	1.7	8

#	Article	IF	Citations
37	Gastric carcinoma: Evaluation with diffusion-tensor MR imaging and tractography ex vivo. Magnetic Resonance Imaging, 2016, 34, 144-151.	1.8	7
38	Diffusion Fractional Anisotropy-based Transformation in Skeletal Muscle Caused by Pressure. Magnetic Resonance in Medical Sciences, 2012, 11, 179-184.	2.0	6
39	CAR Posters. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 461-485.	2.8	1
40	Isotropic q-space Analytical map using 3D Diffusion MR Imaging. , 2007, , 2443-2446.		0