

# Keigo Hikishima

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,763  
citations

361388

20  
h-index

302107

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 ( <i>Callithrix jacchus</i> ). 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 of <i>q</i> -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 Parkinson'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

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19	Fetal sulcation and gyrification in common marmosets ( <i>Callithrix jacchus</i> ) obtained by ex vivo magnetic resonance imaging. <i>Neuroscience</i> , 2014, 257, 158-174.	2.3	25
20	Esophageal carcinoma: Evaluation with q-space diffusion-weighted MR imaging ex vivo. <i>Magnetic Resonance in Medicine</i> , 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. <i>Magnetic Resonance Imaging</i> , 2015, 33, 413-419.	1.8	20
22	Astrocyte-mediated infantile-onset leukoencephalopathy mouse model. <i>Glia</i> , 2017, 65, 150-168.	4.9	20
23	In Vivo Tracing of Neural Tracts in Tiptoe Walking Yoshimura Mice by Diffusion Tensor Tractography. <i>Spine</i> , 2013, 38, E66-E72.	2.0	18
24	Diffusion-tensor MRI and tractography of the esophageal wall ex vivo. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 567-576.	3.4	18
25	Developmental trajectories of macroanatomical structures in common marmoset brain. <i>Neuroscience</i> , 2017, 364, 143-156.	2.3	18
26	Volumetric q-space imaging by 3D diffusion-weighted MRI. <i>Magnetic Resonance Imaging</i> , 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. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2009, 117, 577-586.	1.2	16
28	MRI Characterization of Paranodal Junction Failure and Related Spinal Cord Changes in Mice. <i>PLoS ONE</i> , 2012, 7, e52904.	2.5	16
29	Neural changes in the primate brain correlated with the evolution of complex motor skills. <i>Scientific Reports</i> , 2016, 6, 31084.	3.3	15
30	Gastric Carcinoma: Ex Vivo MR Imaging at 7.0 T—Correlation with Histopathologic Findings. <i>Radiology</i> , 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. <i>Current Alzheimer Research</i> , 2016, 14, 94-103.	1.4	13
32	Characteristics of diffusion-weighted stimulated echo pulse sequence in human skeletal muscle. <i>Radiological Physics and Technology</i> , 2013, 6, 92-97.	1.9	11
33	q-space MR imaging of gastric carcinoma ex vivo: Correlation with histopathologic findings. <i>Magnetic Resonance in Medicine</i> , 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. <i>Magnetic Resonance Imaging</i> , 2017, 38, 174-181.	1.8	10
35	Enhanced Retrieval of Taste Associative Memory by Chemogenetic Activation of Locus Coeruleus Norepinephrine Neurons. <i>Journal of Neuroscience</i> , 2020, 40, 8367-8385.	3.6	10
36	Multidimensional MRI-CT atlas of the naked mole-rat brain ( <i>Heterocephalus glaber</i> ). <i>Frontiers in Neuroanatomy</i> , 2013, 7, 45.	1.7	8

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