

# Guangliang Ding

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

2,559  
citations

185998

28  
h-index

197535

49  
g-index

62  
all docs

62  
docs citations

62  
times ranked

3202  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impairment of the glymphatic system after diabetes. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1326-1337.	2.4	194
2	Effects of Administration Route on Migration and Distribution of Neural Progenitor Cells Transplanted into Rats with Focal Cerebral Ischemia, an MRI Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 653-662.	2.4	152
3	Investigation of neural progenitor cell induced angiogenesis after embolic stroke in rat using MRI. <i>NeuroImage</i> , 2005, 28, 698-707.	2.1	151
4	MRI detects white matter reorganization after neural progenitor cell treatment of stroke. <i>NeuroImage</i> , 2006, 32, 1080-1089.	2.1	142
5	Magnetic Resonance Imaging Investigation of Axonal Remodeling and Angiogenesis after Embolic Stroke in Sildenafil-Treated Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1440-1448.	2.4	133
6	Model Selection in Magnetic Resonance Imaging Measurements of Vascular Permeability: Gadomer in a 9L Model of Rat Cerebral Tumor. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 310-320.	2.4	119
7	In vivo magnetic resonance imaging tracks adult neural progenitor cell targeting of brain tumor. <i>NeuroImage</i> , 2004, 23, 281-287.	2.1	114
8	Angiogenesis and improved cerebral blood flow in the ischemic boundary area detected by MRI after administration of sildenafil to rats with embolic stroke. <i>Brain Research</i> , 2007, 1132, 185-192.	1.1	108
9	Multitargeted Effects of Statin-Enhanced Thrombolytic Therapy for Stroke With Recombinant Human Tissue-Type Plasminogen Activator in the Rat. <i>Circulation</i> , 2005, 112, 3486-3494.	1.6	103
10	Angiogenesis Detected After Embolic Stroke in Rat Brain Using Magnetic Resonance T2*WI. <i>Stroke</i> , 2008, 39, 1563-1568.	1.0	76
11	Focal embolic cerebral ischemia in the rat. <i>Nature Protocols</i> , 2015, 10, 539-547.	5.5	73
12	Quantitative Evaluation of BBB Permeability after Embolic Stroke in Rat Using MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 583-592.	2.4	63
13	MRI Identification of White Matter Reorganization Enhanced by Erythropoietin Treatment in a Rat Model of Focal Ischemia. <i>Stroke</i> , 2009, 40, 936-941.	1.0	62
14	MRI evaluation of axonal reorganization after bone marrow stromal cell treatment of traumatic brain injury. <i>NMR in Biomedicine</i> , 2011, 24, 1119-1128.	1.6	55
15	Degree of corticospinal tract damage correlates with motor function after stroke. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 891-899.	1.7	54
16	Modeling glymphatic system of the brain using MRI. <i>NeuroImage</i> , 2019, 188, 616-627.	2.1	46
17	Magnetic Resonance Imaging Characterization of Hemorrhagic Transformation of Embolic Stroke in the Rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 559-568.	2.4	43
18	Transplantation of Marrow Stromal Cells Restores Cerebral Blood Flow and Reduces Cerebral Atrophy in Rats with Traumatic Brain Injury: <i>In vivo</i> MRI Study. <i>Journal of Neurotrauma</i> , 2011, 28, 535-545.	1.7	43

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19	A Model of Mini-Embolic Stroke Offers Measurements of the Neurovascular Unit Response in the Living Mouse. <i>Stroke</i> , 2005, 36, 2701-2704.	1.0	40
20	Analysis of Combined Treatment of Embolic Stroke in Rat with r-tPA and a GPIIb/IIIa Inhibitor. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 87-97.	2.4	35
21	Persistent Cerebrovascular Damage After Stroke in Type Two Diabetic Rats Measured by Magnetic Resonance Imaging. <i>Stroke</i> , 2015, 46, 507-512.	1.0	35
22	Niaspan Treatment Increases Tumor Necrosis Factor- $\alpha$ -Converting Enzyme and Promotes Arteriogenesis after Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 911-920.	2.4	33
23	Quantitative Analysis of Clinical Dynamic Contrast-enhanced MR Imaging for Evaluating Treatment Response in Human Breast Cancer. <i>Radiology</i> , 2010, 257, 47-55.	3.6	33
24	Ischemic Cerebral Tissue Response to Subventricular Zone Cell Transplantation Measured by Iterative Self-Organizing Data Analysis Technique Algorithm. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 1366-1377.	2.4	32
25	Waste Clearance in the Brain. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 665803.	0.9	32
26	Quantitative Evaluation of Microvascular Density after Stroke in Rats using MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1978-1987.	2.4	31
27	MRI detection of impairment of glymphatic function in rat after mild traumatic brain injury. <i>Brain Research</i> , 2020, 1747, 147062.	1.1	31
28	Multiparametric ISODATA analysis of embolic stroke and rt-PA intervention in rat. <i>Journal of the Neurological Sciences</i> , 2004, 223, 135-143.	0.3	29
29	Longitudinal Magnetic Resonance Imaging of Sildenafil Treatment of Embolic Stroke in Aged Rats. <i>Stroke</i> , 2011, 42, 3537-3541.	1.0	29
30	Cerebral tissue repair and atrophy after embolic stroke in rat: A magnetic resonance imaging study of erythropoietin therapy. <i>Journal of Neuroscience Research</i> , 2010, 88, 3206-3214.	1.3	28
31	Detection of BBB disruption and hemorrhage by Gd-DTPA enhanced MRI after embolic stroke in rat. <i>Brain Research</i> , 2006, 1114, 195-203.	1.1	27
32	MRI Detects Brain Reorganization after Human Umbilical Tissue-Derived Cells (hUTC) Treatment of Stroke in Rat. <i>PLoS ONE</i> , 2012, 7, e42845.	1.1	27
33	Breath-Hold Three-dimensional Contrast-enhanced Coronary MR Angiography: Motion-matched k-Space Sampling for Reducing Cardiac Motion Effects. <i>Radiology</i> , 2000, 215, 600-607.	3.6	23
34	MRI Measurement of Angiogenesis and the Therapeutic Effect of Acute Marrow Stromal Cell Administration on Traumatic Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 2023-2032.	2.4	23
35	MRI investigation of glymphatic responses to Gd-DTPA infusion rates. <i>Journal of Neuroscience Research</i> , 2018, 96, 1876-1886.	1.3	23
36	MRI measurement of change in vascular parameters in the 9L rat cerebral tumor after dexamethasone administration. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 1430-1438.	1.9	22

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37	Combination Treatment With N-Acetyl-Seryl-Aspartyl-Lysyl-Proline and Tissue Plasminogen Activator Provides Potent Neuroprotection in Rats After Stroke. <i>Stroke</i> , 2014, 45, 1108-1114.	1.0	22
38	Magnetic Resonance Imaging and Modeling of the Glymphatic System. <i>Diagnostics</i> , 2020, 10, 344.	1.3	21
39	Intratumor distribution and testâ€“retest comparisons of physiological parameters quantified by dynamic contrastâ€“enhanced MRI in rat U251 glioma. <i>NMR in Biomedicine</i> , 2014, 27, 1230-1238.	1.6	20
40	MRI of combination treatment of embolic stroke in rat with rtPA and atorvastatin. <i>Journal of the Neurological Sciences</i> , 2006, 246, 139-147.	0.3	19
41	Magneticallyâ€“labeled sensitized splenocytes to identify glioma by MRI: A preliminary study. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 519-526.	1.9	19
42	Comparison of Neurite Density Measured by MRI and Histology after TBI. <i>PLoS ONE</i> , 2013, 8, e63511.	1.1	19
43	Characterizing Brain Structures and Remodeling after TBI Based on Information Content, Diffusion Entropy. <i>PLoS ONE</i> , 2013, 8, e76343.	1.1	19
44	White matter changes after stroke in type 2 diabetic rats measured by diffusion magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 241-251.	2.4	17
45	MRI of Neuronal Recovery after Low-Dose Methamphetamine Treatment of Traumatic Brain Injury in Rats. <i>PLoS ONE</i> , 2013, 8, e61241.	1.1	17
46	Early Prediction of Gross Hemorrhagic Transformation by Noncontrast Agent MRI Cluster Analysis After Embolic Stroke in Rat. <i>Stroke</i> , 2005, 36, 1247-1252.	1.0	12
47	Cerebral endothelial cell-derived small extracellular vesicles enhance neurovascular function and neurological recovery in rat acute ischemic stroke models of mechanical thrombectomy and embolic stroke treatment with tPA. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 0271678X2199298.	2.4	12
48	Cell Treatment for Stroke in Type Two Diabetic Rats Improves Vascular Permeability Measured by MRI. <i>PLoS ONE</i> , 2016, 11, e0149147.	1.1	11
49	Aging-Related Alterations of Glymphatic Transport in Rat: In vivo Magnetic Resonance Imaging and Kinetic Study. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 841798.	1.7	10
50	Map-ISODATA demarcates regional response to combination rt-PA and 7E3 F(abâ€“2) treatment of embolic stroke in the rat. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 21, 726-734.	1.9	9
51	Diffusion-Derived Magnetic Resonance Imaging Measures of Longitudinal Microstructural Remodeling Induced by Marrow Stromal Cell Therapy after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 182-191.	1.7	9
52	An Analytical Model for Estimating Water Exchange Rate in White Matter Using Diffusion MRI. <i>PLoS ONE</i> , 2014, 9, e95921.	1.1	8
53	MRI evaluation of treatment of embolic stroke in rat with intra-arterial and intravenous rt-PA. <i>Journal of the Neurological Sciences</i> , 2004, 224, 57-67.	0.3	7
54	Characterization of cerebral tissue by MRI map ISODATA in embolic stroke in rat. <i>Brain Research</i> , 2006, 1084, 202-209.	1.1	7

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55	Investigation of relationships between transverse relaxation rate, diffusion coefficient, and labeled cell concentration in ischemic rat brain using MRI. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 587-594.	1.9	7
56	Perfusion and Diffusion Abnormalities of Multiple Sclerosis Lesions and Relevance of Classified Lesions to Disease Status. <i>Journal of Neurology &amp; Neurophysiology</i> , 2013, s12, 12.	0.1	6
57	Noninvasive measurement of renal blood flow by magnetic resonance imaging in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, F99-F106.	1.3	6
58	Differences between normal and diabetic brains in middle-aged rats by MRI. <i>Brain Research</i> , 2019, 1724, 146407.	1.1	5
59	Chronic global analysis of vascular permeability and cerebral blood flow after bone marrow stromal cell treatment of traumatic brain injury in the rat: A long-term MRI study. <i>Brain Research</i> , 2017, 1675, 61-70.	1.1	4
60	The role of the parenchymal vascular system in cerebrospinal fluid tracer clearance. <i>European Radiology</i> , 2023, 33, 656-665.	2.3	4
61	Diffuse white matter response in trauma-injured brain to bone marrow stromal cell treatment detected by diffusional kurtosis imaging. <i>Brain Research</i> , 2019, 1717, 127-135.	1.1	3
62	MRI Metrics of Cerebral Endothelial Cell-Derived Exosomes for the Treatment of Cognitive Dysfunction Induced in Aging Rats Subjected to Type 2 Diabetes. <i>Diabetes</i> , 2022, 71, 873-880.	0.3	2