

Christina H Liu

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,408
citations

430442

18
h-index

329751

37
g-index

37
all docs

37
docs citations

37
times ranked

2304
citing authors

#	ARTICLE	IF	CITATIONS
1	Microemboli may link spreading depression, migraine aura, and patent foramen ovale. <i>Annals of Neurology</i> , 2010, 67, 221-229.	2.8	267
2	Migraine Mutations Increase Stroke Vulnerability by Facilitating Ischemic Depolarizations. <i>Circulation</i> , 2012, 125, 335-345.	1.6	148
3	Big Potential from Small Agents: Nanoparticles for Imaging-Based Companion Diagnostics. <i>ACS Nano</i> , 2018, 12, 2106-2121.	7.3	117
4	Inhaled Nitric Oxide Improves Outcomes After Successful Cardiopulmonary Resuscitation in Mice. <i>Circulation</i> , 2011, 124, 1645-1653.	1.6	91
5	Exogenous contrast agent improves sensitivity of gradient-echo functional magnetic resonance imaging at 9.4 T. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 1272-1281.	1.9	83
6	Direct CSF injection of MnCl ₂ for dynamic manganese-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 978-987.	1.9	57
7	Imaging Cerebral Gene Transcripts in Live Animals. <i>Journal of Neuroscience</i> , 2007, 27, 713-722.	1.7	57
8	Three-Dimensional High-Resolution Diffusion Tensor Imaging and Tractography of the Developing Rabbit Brain. <i>Developmental Neuroscience</i> , 2008, 30, 262-275.	1.0	34
9	Manipulation of tissue contrast using contrast agents for enhanced MR microscopy in ex vivo mouse brain. <i>NeuroImage</i> , 2009, 46, 589-599.	2.1	33
10	Nanomaterials innovation as an enabler for effective cancer interventions. <i>Biomaterials</i> , 2020, 242, 119926.	5.7	33
11	MR contrast probes that trace gene transcripts for cerebral ischemia in live animals. <i>FASEB Journal</i> , 2007, 21, 3004-3015.	0.2	32
12	Remifentanyl administration reveals biphasic pHMRI temporal responses in rat consistent with dynamic receptor regulation. <i>NeuroImage</i> , 2007, 34, 1042-1053.	2.1	32
13	Sodium sulfide prevents water diffusion abnormality in the brain and improves long term outcome after cardiac arrest in mice. <i>Resuscitation</i> , 2012, 83, 1292-1297.	1.3	30
14	Noninvasive delivery of gene targeting probes to live brains for transcription MRI. <i>FASEB Journal</i> , 2008, 22, 1193-1203.	0.2	26
15	DNA-Based MRI Probes for Specific Detection of Chronic Exposure to Amphetamine in Living Brains. <i>Journal of Neuroscience</i> , 2009, 29, 10663-10670.	1.7	26
16	Noninvasive detection of neural progenitor cells in living brains by MRI. <i>FASEB Journal</i> , 2012, 26, 1652-1662.	0.2	26
17	Challenges in the development of nanoparticle-based imaging agents: Characterization and biology. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1665.	3.3	23
18	Data collection and analysis strategies for pHMRI. <i>Neuropharmacology</i> , 2014, 84, 65-78.	2.0	20

#	ARTICLE	IF	CITATIONS
19	Noninvasive tracking of gene transcript and neuroprotection after gene therapy. <i>Gene Therapy</i> , 2016, 23, 1-9.	2.3	18
20	Diffusion-Weighted Magnetic Resonance Imaging Reversal by Gene Knockdown of Matrix Metalloproteinase-9 Activities in Live Animal Brains. <i>Journal of Neuroscience</i> , 2009, 29, 3508-3517.	1.7	16
21	Forebrain Ischemia-Reperfusion Simulating Cardiac Arrest in Mice Induces Edema and DNA Fragmentation in the Brain. <i>Molecular Imaging</i> , 2007, 6, 7290.2007.00011.	0.7	16
22	MRI reveals differential effects of amphetamine exposure on neuroglia in vivo. <i>FASEB Journal</i> , 2013, 27, 712-724.	0.2	15
23	Intracellular gene transcription factor protein-guided MRI by DNA aptamers <i>in vivo</i> . <i>FASEB Journal</i> , 2014, 28, 464-473.	0.2	15
24	Imaging inflammation and its resolution in health and disease: current status, clinical needs, challenges, and opportunities. <i>FASEB Journal</i> , 2019, 33, 13085-13097.	0.2	13
25	Forebrain ischemia-reperfusion simulating cardiac arrest in mice induces edema and DNA fragmentation in the brain. <i>Molecular Imaging</i> , 2007, 6, 156-70.	0.7	13
26	NCI Alliance for Nanotechnology in Cancer – from academic research to clinical interventions. <i>Biomedical Microdevices</i> , 2019, 21, 32.	1.4	11
27	Transcription MRI: A New View of the Living Brain. <i>Neuroscientist</i> , 2008, 14, 503-520.	2.6	10
28	Epigenetics of amphetamine-induced sensitization: HDAC5 expression and microRNA in neural remodeling. <i>Journal of Biomedical Science</i> , 2016, 23, 90.	2.6	10
29	Nanotechnology for Cancer Imaging: Advances, Challenges, and Clinical Opportunities. <i>Radiology Imaging Cancer</i> , 2021, 3, e200052.	0.7	10
30	Bioinformatic Challenges of Big Data in Non-Coding RNA Research. <i>Frontiers in Genetics</i> , 2012, 3, 178.	1.1	8
31	Anatomical, functional and molecular biomarker applications of magnetic resonance neuroimaging. <i>Future Neurology</i> , 2015, 10, 49-65.	0.9	7
32	Amphetamine manipulates monoamine oxidase-A level and behavior using theranostic aptamers of transcription factors AP-1/NF- κ B. <i>Journal of Biomedical Science</i> , 2016, 23, 21.	2.6	7
33	Gene Targeting MRI: Nucleic Acid-Based Imaging and Applications. <i>Methods in Molecular Biology</i> , 2011, 711, 363-377.	0.4	7
34	Metabolic Regulation of Inflammation and Its Resolution: Current Status, Clinical Needs, Challenges, and Opportunities. <i>Journal of Immunology</i> , 2021, 207, 2625-2630.	0.4	2
35	Translational Nanodiagnostics for <i>In Vivo</i> Cancer Detection. <i>Bioanalysis</i> , 2019, , 133-162.	0.1	1