

Fuqiang Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,470
citations

394286

19
h-index

414303

32
g-index

37
all docs

37
docs citations

37
times ranked

1619
citing authors

#	ARTICLE	IF	CITATIONS
1	Cortical layer-dependent BOLD and CBV responses measured by spin-echo and gradient-echo fMRI: Insights into hemodynamic regulation. <i>NeuroImage</i> , 2006, 30, 1149-1160.	2.1	239
2	BOLD study of stimulation-induced neural activity and resting-state connectivity in medetomidine-sedated rat. <i>NeuroImage</i> , 2008, 39, 248-260.	2.1	179
3	Cortical depth-dependent gradient-echo and spin-echo BOLD fMRI at 9.4T. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 518-524.	1.9	118
4	Cerebral blood volume MRI with intravascular superparamagnetic iron oxide nanoparticles. <i>NMR in Biomedicine</i> , 2013, 26, 949-962.	1.6	114
5	Rational Design of Protein-Based MRI Contrast Agents. <i>Journal of the American Chemical Society</i> , 2008, 130, 9260-9267.	6.6	111
6	Spatial specificity of cerebral blood volume-weighted fMRI responses at columnar resolution. <i>NeuroImage</i> , 2005, 27, 416-424.	2.1	95
7	Improved spatial localization of post-stimulus BOLD undershoot relative to positive BOLD. <i>NeuroImage</i> , 2007, 34, 1084-1092.	2.1	72
8	Increases in Oxygen Consumption without Cerebral Blood Volume Change during Visual Stimulation under Hypotension Condition. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 1043-1051.	2.4	59
9	Sources of phase changes in BOLD and CBV-weighted fMRI. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 520-527.	1.9	44
10	BOLD and blood volume-weighted fMRI of rat lumbar spinal cord during non-noxious and noxious electrical hindpaw stimulation. <i>NeuroImage</i> , 2008, 40, 133-147.	2.1	43
11	fMRI of pain processing in the brain: A within-animal comparative study of BOLD vs. CBV and noxious electrical vs. noxious mechanical stimulation in rat. <i>NeuroImage</i> , 2012, 59, 1168-1179.	2.1	41
12	Sources of functional apparent diffusion coefficient changes investigated by diffusion-weighted spin-echo fMRI. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 1283-1292.	1.9	38
13	Source of nonlinearity in echo-time-dependent BOLD fMRI. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1281-1290.	1.9	36
14	Isoflurane anesthesia effect in functional imaging studies. <i>NeuroImage</i> , 2007, 38, 3-4.	2.1	29
15	Pain fMRI in rat cervical spinal cord: An echo planar imaging evaluation of sensitivity of BOLD and blood volume-weighted fMRI. <i>NeuroImage</i> , 2009, 44, 349-362.	2.1	28
16	Functional imaging of olfaction by CBV fMRI in monkeys: Insight into the role of olfactory bulb in habituation. <i>NeuroImage</i> , 2015, 106, 364-372.	2.1	24
17	Chronic Verubecestat Treatment Suppresses Amyloid Accumulation in Advanced Aged Tg2576-APP ^{sw} Mice Without Inducing Microhemorrhage. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 1393-1413.	1.2	24
18	fMRI study of olfaction in the olfactory bulb and high olfactory structures of rats: Insight into their roles in habituation. <i>NeuroImage</i> , 2016, 127, 445-455.	2.1	23

#	ARTICLE	IF	CITATIONS
19	fMRI investigation of the effect of local and systemic lidocaine on noxious electrical stimulation-induced activation in spinal cord. <i>Pain</i> , 2009, 145, 110-119.	2.0	21
20	Qualification of fMRI as a biomarker for pain in anesthetized rats by comparison with behavioral response in conscious rats. <i>NeuroImage</i> , 2014, 84, 724-732.	2.1	19
21	MRI mediated, non-invasive tracking of intratumoral distribution of nanocarriers in rat glioma. <i>Nanotechnology</i> , 2008, 19, 315101.	1.3	18
22	Bayesian Kernel Methods for Analysis of Functional Neuroimages. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 1613-1624.	5.4	13
23	Evaluation of an fMRI USPIO-based assay in healthy human volunteers. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 124-133.	1.9	11
24	fMRI study of olfactory processing in mice under three anesthesia protocols: Insight into the effect of ketamine on olfactory processing. <i>NeuroImage</i> , 2020, 213, 116725.	2.1	11
25	fMRI study of the role of glutamate NMDA receptor in the olfactory adaptation in rats: Insights into cellular and molecular mechanisms of olfactory adaptation. <i>NeuroImage</i> , 2017, 149, 348-360.	2.1	10
26	Na ^v 1.7 target modulation and efficacy can be measured in nonhuman primate assays. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	10
27	Soluble Guanylate Cyclase Stimulator Vericiguat Enhances Long-Term Memory in Rats without Altering Cerebral Blood Volume. <i>Biomedicines</i> , 2021, 9, 1047.	1.4	10
28	Discovery of Arylsulfonamide Na ^v 1.7 Inhibitors: IVVC, MPO Methods, and Optimization of Selectivity Profile. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1038-1049.	1.3	9
29	fMRI study of the role of glutamate NMDA receptor in the olfactory processing in monkeys. <i>PLoS ONE</i> , 2018, 13, e0198395.	1.1	8
30	A New Algorithm for Estimating Scalp Laplacian EEG and Its Application to Visual-Evoked Potentials. <i>Electromagnetics</i> , 2001, 21, 633-640.	0.3	6
31	Application of Pharmacokinetic-Pharmacodynamic Modeling to Inform Translation of In Vitro NaV1.7 Inhibition to In Vivo Pharmacological Response in Non-human Primate. <i>Pharmaceutical Research</i> , 2020, 37, 181.	1.7	4
32	Translational Pharmacokinetic-Pharmacodynamic Modeling of NaV1.7 Inhibitor MK-2075 to Inform Human Efficacious Dose. <i>Frontiers in Pharmacology</i> , 2021, 12, 786078.	1.6	2
33	Robust arterial spin labeling MRI measurement of pharmacologically induced perfusion change in rat kidneys. <i>NMR in Biomedicine</i> , 2021, 34, e4566.	1.6	1
34	Multiple decomposition technique for dual energy x-ray image. , 1992, , .		0
35	Kernel Methods for Functional Neuroimaging Analysis. , 2006, , .		0
36	Animal Imaging. , 2010, , 137-151.		0