

Ahmad Raza Khan

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

528
citations

759233

12
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

856
citing authors

#	ARTICLE	IF	CITATIONS
1	3D structure tensor analysis of light microscopy data for validating diffusion MRI. <i>NeuroImage</i> , 2015, 111, 192-203.	4.2	73
2	Brain immune cells undergo cGAS/STING-dependent apoptosis during herpes simplex virus type 1 infection to limit type I IFN production. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	61
3	Nuclear magnetic resonance spectroscopy-based metabonomic investigation of biochemical effects in serum of ^{13}C -irradiated mice. <i>International Journal of Radiation Biology</i> , 2011, 87, 91-97.	1.8	48
4	Biophysical modeling of high field diffusion MRI demonstrates micro-structural aberration in chronic mild stress rat brain. <i>NeuroImage</i> , 2016, 142, 421-430.	4.2	48
5	White matter biomarkers from fast protocols using axially symmetric diffusion kurtosis imaging. <i>NMR in Biomedicine</i> , 2017, 30, e3741.	2.8	37
6	Radiation-induced early changes in the brain and behavior: Serial diffusion tensor imaging and behavioral evaluation after graded doses of radiation. <i>Journal of Neuroscience Research</i> , 2012, 90, 2009-2019.	2.9	34
7	Stress-Induced Morphological, Cellular and Molecular Changes in the Brain—Lessons Learned from the Chronic Mild Stress Model of Depression. <i>Cells</i> , 2020, 9, 1026.	4.1	34
8	Diffusion MRI and MR spectroscopy reveal microstructural and metabolic brain alterations in chronic mild stress exposed rats: A CMS recovery study. <i>NeuroImage</i> , 2018, 167, 342-353.	4.2	29
9	Fast diffusion kurtosis imaging of fibrotic mouse kidneys. <i>NMR in Biomedicine</i> , 2016, 29, 1709-1719.	2.8	27
10	Differential biochemical response of rat kidney towards low and high doses of NiCl_2 as revealed by NMR spectroscopy. <i>Journal of Applied Toxicology</i> , 2013, 33, 134-141.	2.8	20
11	Study of acute biochemical effects of thallium toxicity in mouse urine by NMR spectroscopy. <i>Journal of Applied Toxicology</i> , 2011, 31, 663-670.	2.8	19
12	NMR spectroscopy based metabolic profiling of urine and serum for investigation of physiological perturbations during radiation sickness. <i>Metabolomics</i> , 2011, 7, 583-592.	3.0	13
13	Neurite atrophy in dorsal hippocampus of rat indicates incomplete recovery of chronic mild stress induced depression. <i>NMR in Biomedicine</i> , 2019, 32, e4057.	2.8	13
14	Altered brain metabolism after whole body irradiation in mice: A preliminary in vivo ^1H MRS study. <i>International Journal of Radiation Biology</i> , 2013, 89, 212-218.	1.8	11
15	Comparative evaluation of brain neurometabolites and DTI indices following whole body and cranial irradiation: a magnetic resonance imaging and spectroscopy study. <i>NMR in Biomedicine</i> , 2013, 26, 1733-1741.	2.8	11
16	Summary of high field diffusion MRI and microscopy data demonstrate microstructural aberration in chronic mild stress rat brain. <i>Data in Brief</i> , 2016, 8, 934-937.	1.0	11
17	Differential microstructural alterations in rat cerebral cortex in a model of chronic mild stress depression. <i>PLoS ONE</i> , 2018, 13, e0192329.	2.5	11
18	Layers II/III of Prefrontal Cortex in $\text{Df}(h22q11)/+$ Mouse Model of the 22q11.2 Deletion Display Loss of Parvalbumin Interneurons and Modulation of Neuronal Morphology and Excitability. <i>Molecular Neurobiology</i> , 2020, 57, 4978-4988.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Urinary metabolomic phenotyping of nickel induced acute toxicity in rat: an NMR spectroscopy approach. <i>Metabolomics</i> , 2012, 8, 940-950.	3.0	7
20	NMR based metabolomics reveals acute hippocampal metabolic fluctuations during cranial irradiation in murine model. <i>Neurochemistry International</i> , 2014, 74, 1-7.	3.8	6
21	Nuclear magnetic resonance spectroscopy-based metabolomic investigation of biochemical effects in serum of ^{13}C -irradiated mice. <i>International Journal of Radiation Biology</i> , 0, , 1-7.	1.8	3
22	Microstructural and Metabolic Recovery of Anhedonic Rat Brains: An In Vivo Diffusion MRI and ^1H -MRS Approach. <i>Data</i> , 2018, 3, 29.	2.3	2
23	Metabolic profiling leading to clinical phenomics: From bench to bedside. , 2021, , 371-382.		0
24	Early Differential Neurometabolite Response of Hippocampus on Exposure to Graded dose of Whole Body Radiation: An in Vivo ^1H MR Spectroscopy Study. <i>Defence Life Science Journal</i> , 2017, 2, 310.	0.3	0