

Ahmad Raza Khan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5934955/publications.pdf>

Version: 2024-02-01

24
papers

528
citations

759055

12
h-index

713332

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. | 2.1 | 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, . | 3.9 | 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. | 1.0 | 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. | 2.1 | 48 |
| 5 | White matter biomarkers from fast protocols using axially symmetric diffusion kurtosis imaging. <i>NMR in Biomedicine</i> , 2017, 30, e3741. | 1.6 | 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. | 1.3 | 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. | 1.8 | 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. | 2.1 | 29 |
| 9 | Fast diffusion kurtosis imaging of fibrotic mouse kidneys. <i>NMR in Biomedicine</i> , 2016, 29, 1709-1719. | 1.6 | 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. | 1.4 | 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. | 1.4 | 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. | 1.4 | 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. | 1.6 | 13 |
| 14 | Altered brain metabolism after whole body irradiation in mice: A preliminary in vivo ¹ H MRS study. <i>International Journal of Radiation Biology</i> , 2013, 89, 212-218. | 1.0 | 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. | 1.6 | 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. | 0.5 | 11 |
| 17 | Differential microstructural alterations in rat cerebral cortex in a model of chronic mild stress depression. <i>PLoS ONE</i> , 2018, 13, e0192329. | 1.1 | 11 |
| 18 | Layers II/III of Prefrontal Cortex in 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. | 1.9 | 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. | 1.4 | 7 |
| 20 | NMR based metabolomics reveals acute hippocampal metabolic fluctuations during cranial irradiation in murine model. <i>Neurochemistry International</i> , 2014, 74, 1-7. | 1.9 | 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. | 1.0 | 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. | 1.2 | 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. | 0.1 | 0 |