Praveen Kulkarni

List of Publications by Year
in descending order

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64 papers	1,746 citations	346980 22 h-index	340414 39 g-index
69 all docs	69 docs citations	69 times ranked	2732 citing authors

#	Article	IF	Citations
1	Paclitaxel Chemotherapy Elicits Widespread Brain Anisotropy Changes in a Comprehensive Mouse Model of Breast Cancer Survivorship: Evidence From In Vivo Diffusion Weighted Imaging. Frontiers in Oncology, 2022, 12, 798704.	1.3	4
2	Traumatic brain injury and the development of parkinsonism: Understanding pathophysiology, animal models, and therapeutic targets. Biomedicine and Pharmacotherapy, 2022, 149, 112812.	2.5	9
3	Structural and functional variations in the prefrontal cortex are associated with learning in pre-adolescent common marmosets (Callithrix jacchus). Behavioural Brain Research, 2022, 430, 113920.	1.2	5
4	Inhaled Cannabis Suppresses Chemotherapy-Induced Neuropathic Nociception by Decoupling the Raphe Nucleus: A Functional Imaging Study in Rats. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 479-489.	1.1	11
5	Cannabidiol has a unique effect on global brain activity: a pharmacological, functional MRI study in awake mice. Journal of Translational Medicine, 2021, 19, 220.	1.8	9
6	An Examination of the Long-Term Neurodevelopmental Impact of Prenatal Zika Virus Infection in a Rat Model Using a High Resolution, Longitudinal MRI Approach. Viruses, 2021, 13, 1123.	1.5	4
7	Neurovascular imaging with QUTE-CE MRI in APOE4 rats reveals early vascular abnormalities. PLoS ONE, 2021, 16, e0256749.	1.1	5
8	Whole brain in vivo neuropathology: imaging site-specific changes in brain structure over time following trimethyltin exposure in rats. Toxicology Letters, 2021, 352, 54-60.	0.4	1
9	Quantitative Imaging of Blood-Brain Barrier Permeability Following Repetitive Mild Head Impacts. Frontiers in Neurology, 2021, 12, 729464.	1.1	5
10	Mild repetitive head impacts alter perivascular flow in the midbrain dopaminergic system in awake rats. Brain Communications, 2021, 3, fcab265.	1.5	7
11	Exposure to methylphenidate during peri-adolescence decouples the prefrontal cortex: a multimodal MRI study. American Journal of Translational Research (discontinued), 2021, 13, 8480-8495.	0.0	0
12	Do We Swallow the Waste From Our Brain?. Frontiers in Neuroscience, 2021, 15, 763780.	1.4	3
13	Treating head injury using a novel vasopressin 1a receptor antagonist. Neuroscience Letters, 2020, 714, 134565.	1.0	5
14	Novel imaging technology and procedures for studying brain function in preadolescent awake marmosets. Journal of Neuroscience Methods, 2020, 343, 108823.	1.3	4
15	Evidence of early vasogenic edema following minor head impact that can be reduced with a vasopressin V1a receptor antagonist. Brain Research Bulletin, 2020, 165, 218-227.	1.4	11
16	Acute neuroradiological, behavioral, and physiological effects of nose-only exposure to vaporized cannabis in C57BL/6 mice. Inhalation Toxicology, 2020, 32, 200-217.	0.8	19
17	Evaluating bloodâ€“brain barrier permeability in a rat model of type 2 diabetes. Journal of Translational Medicine, 2020, 18, 256.	1.8	18
18	Traffic-related particulate matter affects behavior, inflammation, and neural integrity in a developmental rodent model. Environmental Research, 2020, 183, 109242.	3.7	61

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19	Imaging the effect of the circadian lightâ€“dark cycle on the glymphatic system in awake rats. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 668-676.	3.3	54
20	High Fat Diet versus Disturbed Blood Flow Conditions: Implications for Endothelial Glycocalyx Integrity and Preâ€Atherosclerotic Inflammation. FASEB Journal, 2020, 34, 1-1.	0.2	2
21	Altered corticolimbic connectivity reveals sex-specific adolescent outcomes in a rat model of early life adversity. ELife, 2020, 9, .	2.8	57
22	Oxycodone-Mediated Activation of the Mu Opioid Receptor Reduces Whole Brain Functional Connectivity in Mice. ACS Pharmacology and Translational Science, 2019, 2, 264-274.	2.5	13
23	Data on MRI brain lesion segmentation using K-means and Gaussian Mixture Model-Expectation Maximization. Data in Brief, 2019, 27, 104628.	0.5	24
24	Neuroradiological Changes Following Single or Repetitive Mild TBI. Frontiers in Systems Neuroscience, 2019, 13, 34.	1.2	43
25	Alterations in brain neurocircuitry following treatment with the chemotherapeutic agent paclitaxel in rats. Neurobiology of Pain (Cambridge, Mass), 2019, 6, 100034.	1.0	28
26	Oxycodone Exposure: A Magnetic Resonance Imaging Study in Response to Acute and Chronic Oxycodone Treatment in Rats. Neuroscience, 2019, 398, 88-101.	1.1	20
27	In search of early neuroradiological biomarkers for Parkinsonâ€™s Disease: Alterations in resting state functional connectivity and gray matter microarchitecture in PINK1 âˆ’/âˆ’ rats. Brain Research, 2019, 1706, 58-67.	1.1	19
28	CNS Delivery and Anti-Inflammatory Effects of Intranasally Administered Cyclosporine-A in Cationic Nanoformulations. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 843-854.	1.3	16
29	Dataset on a 173 region awake resting state quantitative cerebral blood volume rat brain atlas and regional changes to cerebral blood volume under isoflurane anesthetization and CO2 challenge. Data in Brief, 2018, 17, 393-396.	0.5	2
30	Evidence of Neurobiological Changes in the Presymptomatic PINK1 Knockout Rat. Journal of Parkinson's Disease, 2018, 8, 281-301.	1.5	22
31	Polymeric micelles: Theranostic co-delivery system for poorly water-soluble drugs and contrast agents. Biomaterials, 2018, 170, 26-36.	5.7	88
32	The comparative effects of high fat diet or disturbed blood flow on glycocalyx integrity and vascular inflammation. Translational Medicine Communications, 2018, 3, .	0.5	20
33	RNaseT2 knockout rats exhibit hippocampal neuropathology and deficits in memory. DMM Disease Models and Mechanisms, 2018, 11, .	1.2	21
34	A chronic in situ coil system adapted for intracerebral stimulation during MRI in rats. Journal of Neuroscience Methods, 2017, 284, 85-95.	1.3	3
35	Diffusion imaging of mild traumatic brain injury in the impact accelerated rodent model: A pilot study. Brain Injury, 2017, 31, 1376-1381.	0.6	19
36	Systemâ€specific activity in response to Î”⁹â€tetrahydrocannabinol: a functional magnetic resonance imaging study in awake male rats. European Journal of Neuroscience, 2017, 46, 2893-2900.	1.2	7

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37	Quantitative vascular neuroimaging of the rat brain using superparamagnetic nanoparticles: New insights on vascular organization and brain function. NeuroImage, 2017, 163, 24-33.	2.1	17
38	The Serotonin Receptor 6 Antagonist Idalopirdine and Acetylcholinesterase Inhibitor Donepezil Have Synergistic Effects on Brain Activityâ€"A Functional MRI Study in the Awake Rat. Frontiers in Pharmacology, 2017, 8, 279.	1.6	17
39	Enhanced functional connectivity and volume between cognitive and reward centers of naÃ¯ve rodent brain produced by pro-dopaminergic agent KB220Z. PLoS ONE, 2017, 12, e0174774.	1.1	92
40	Formulation development of a novel targeted theranostic nanoemulsion of docetaxel to overcome multidrug resistance in ovarian cancer. Drug Delivery, 2016, 23, 958-970.	2.5	49
41	BOLD Imaging in Awake Wild-Type and Mu-Opioid Receptor Knock-Out Mice Reveals On-Target Activation Maps in Response to Oxycodone. Frontiers in Neuroscience, 2016, 10, 471.	1.4	25
42	P4â€015: The 5â€HT₆ Receptor Antagonist Idalopirdine (LU AE58054) and Acetylcholinesterase Inhibitor Donepezil have Synergistic Effects on Brain Activity: A Pharmacological MRI Study in the Awake Rat. Alzheimer's and Dementia, 2016, 12, P1020.	0.4	0
43	High estrogen and chronic haloperidol lead to greater amphetamine-induced BOLD activation in awake, amphetamine-sensitized female rats. Hormones and Behavior, 2016, 82, 56-63.	1.0	14
44	Distinct BOLD Activation Profiles Following Central and Peripheral Oxytocin Administration in Awake Rats. Frontiers in Behavioral Neuroscience, 2015, 9, 245.	1.0	50
45	Use of Anisotropy, 3D Segmented Atlas, and Computational Analysis to Identify Gray Matter Subcortical Lesions Common to Concussive Injury from Different Sites on the Cortex. PLoS ONE, 2015, 10, e0125748.	1.1	26
46	Changes in brain volume in response to estradiol levels, amphetamine sensitization and haloperidol treatment in awake female rats. Brain Research, 2015, 1618, 100-110.	1.1	12
47	Integration of neural networks activated by amphetamine in females with different estrogen levels: A functional imaging study in awake rats. Psychoneuroendocrinology, 2015, 56, 200-212.	1.3	20
48	Identifying the integrated neural networks involved in capsaicin-induced pain using fMRI in awake TRPV1 knockout and wild-type rats. Frontiers in Systems Neuroscience, 2015, 9, 15.	1.2	27
49	EGFR Targeted Theranostic Nanoemulsion for Image-Guided Ovarian Cancer Therapy. Pharmaceutical Research, 2015, 32, 2753-63.	1.7	24
50	Radiation-induced cognitive impairment and altered diffusion tensor imaging in a juvenile rat model of cranial radiotherapy. International Journal of Radiation Biology, 2014, 90, 799-806.	1.0	15
51	Studies on the Q175 Knock-in Model of HuntingtonÃ¢â‚¬â„¢s Disease Using Functional Imaging in Awake Mice: Evidence of Olfactory Dysfunction. Frontiers in Neurology, 2014, 5, 94.	1.1	47
52	Analgesic Efficacy and Safety of DALDA Peptide Analog Delivery to the Brain Using Oil-in-Water Nanoemulsion Formulation. Pharmaceutical Research, 2014, 31, 2724-2734.	1.7	12
53	Small Animal Imaging as a Tool for Modeling CNS Disorders. , 2013, , 59-85.		1
54	Imaging evolutionarily conserved neural networks: Preferential activation of the olfactory system by food-related odor. Behavioural Brain Research, 2012, 230, 201-207.	1.2	26

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55	Functional magnetic resonance imaging in awake animals. Reviews in the Neurosciences, 2011, 22, 665-74.	1.4	51
56	Monitoring of magnetic targeting to tumor vasculature through MRI and biodistribution. Nanomedicine, 2010, 5, 1173-1182.	1.7	42
57	Imaging the neural circuitry and chemical control of aggressive motivation. BMC Neuroscience, 2008, 9, 111.	0.8	106
58	Imaging brain activation in nicotine-sensitized rats. Brain Research, 2008, 1199, 91-99.	1.1	36
59	Nursing stimulation is more than tactile sensation: It is a multisensory experience. Hormones and Behavior, 2008, 54, 330-339.	1.0	34
60	Differential recovery of behavioral status and brain function assessed with functional magnetic resonance imaging after mild traumatic brain injury in the rat*. Critical Care Medicine, 2007, 35, 2607-2614.	0.4	46
61	Imaging unconditioned fear response with manganese-enhanced MRI (MEMRI). NeuroImage, 2007, 37, 221-229.	2.1	29
62	Automatic 3D image registration using voxel similarity measurements based on a genetic algorithm. , 2006, 6144, 968.		1
63	Imaging the Neural Substrates Involved in the Genesis of Pentylenetetrazol-induced Seizures. Epilepsia, 2006, 47, 745-754.	2.6	80
64	Pup Suckling Is More Rewarding Than Cocaine: Evidence from Functional Magnetic Resonance Imaging and Three-Dimensional Computational Analysis. Journal of Neuroscience, 2005, 25, 149-156.	1.7	207