

Nathalie Just

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

883
citations

623574

14
h-index

501076

28
g-index

32
all docs

32
docs citations

32
times ranked

1512
citing authors

#	ARTICLE	IF	CITATIONS
1	When pharmaceutical drugs become environmental pollutants: Potential neural effects and underlying mechanisms. <i>Environmental Research</i> , 2022, 205, 112495.	3.7	23
2	Seasonal vascular plasticity in the mediobasal hypothalamus of the adult ewe. <i>Histochemistry and Cell Biology</i> , 2022, , 1.	0.8	4
3	Proton functional magnetic resonance spectroscopy in rodents. <i>NMR in Biomedicine</i> , 2021, 34, e4254.	1.6	10
4	Blood oxygen level dependent fMRI and perfusion MRI in the sheep brain. <i>Brain Research</i> , 2021, 1760, 147390.	1.1	4
5	Development of a Stimulator for the Characterization of Mechanical-Evoked Pain-Related Supra-Spinal Processing Using BOLD-fMRI in Rodents. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1349-1356.	2.5	3
6	Probing activation-induced neurochemical changes using optogenetics combined with functional magnetic resonance spectroscopy: a feasibility study in the rat primary somatosensory cortex. <i>Journal of Neurochemistry</i> , 2019, 150, 402-419.	2.1	19
7	Anesthesia differentially modulates neuronal and vascular contributions to the BOLD signal. <i>NeuroImage</i> , 2019, 195, 89-103.	2.1	37
8	Thymidine Metabolism as a Confounding Factor for ^{18}F -Fluorothymidine Uptake After Therapy in a Colorectal Cancer Model. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1063-1069.	2.8	5
9	Astrocytic and neuronal oxidative metabolism are coupled to the rate of glutamate-glutamine cycle in the tree shrew visual cortex. <i>Glia</i> , 2018, 66, 477-491.	2.5	45
10	T1 mapping of the mouse brain following fractionated manganese administration using MP2RAGE. <i>Brain Structure and Function</i> , 2017, 222, 201-214.	1.2	7
11	Lactate and glutamate dynamics during prolonged stimulation of the rat barrel cortex suggest adaptation of cerebral glucose and oxygen metabolism. <i>Neuroscience</i> , 2017, 346, 337-348.	1.1	16
12	Energy metabolism in the rat cortex under thiopental anaesthesia measured <i>In Vivo</i> by ^{13}C MRS. <i>Journal of Neuroscience Research</i> , 2017, 95, 2297-2306.	1.3	14
13	Investigating the Role of Glutamate and GABA in the Modulation of Transthalamic Activity: A Combined fMRI-fMRS Study. <i>Frontiers in Physiology</i> , 2017, 8, 30.	1.3	21
14	Performance of MRS in metabolic profiling of the lumbar spinal cord in rat and mice. <i>Magnetic Resonance Imaging</i> , 2016, 34, 1155-1160.	1.0	4
15	Effects of paternal and peripubertal stress on aggression, anxiety, and metabolic alterations in the lateral septum. <i>European Neuropsychopharmacology</i> , 2016, 26, 357-367.	0.3	33
16	Compartmentalised energy metabolism supporting glutamatergic neurotransmission in response to increased activity in the rat cerebral cortex: A ^{13}C MRS study <i>in Vivo</i> at 14.1 T. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 928-940.	2.4	46
17	Quantitative activity-induced manganese-dependent MRI for characterizing cortical layers in the primary somatosensory cortex of the rat. <i>Brain Structure and Function</i> , 2016, 221, 695-707.	1.2	2
18	Imaging of prolonged BOLD response in the somatosensory cortex of the rat. <i>NMR in Biomedicine</i> , 2015, 28, 414-421.	1.6	15

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19	Improving tumour heterogeneity MRI assessment with histograms. British Journal of Cancer, 2014, 111, 2205-2213.	2.9	386
20	Characterization of sustained BOLD activation in the rat barrel cortex and neurochemical consequences. NeuroImage, 2013, 74, 343-351.	2.1	33
21	Histogram analysis of the microvasculature of intracerebral human and murine glioma xenografts. Magnetic Resonance in Medicine, 2011, 65, 778-789.	1.9	11
22	Assessment of the effect of haematocritâ€dependent arterial input functions on the accuracy of pharmacokinetic parameters in dynamic contrastâ€enhanced MRI. NMR in Biomedicine, 2011, 24, 902-915.	1.6	19
23	Detection of neuronal activity and metabolism in a model of dehydrationâ€induced anorexia in rats at 14.1â€T using manganeseâ€enhanced MRI and ¹ H MRS. NMR in Biomedicine, 2011, 24, 1326-1336.	1.6	15
24	Effect of Manganese Chloride on the Neurochemical Profile of the Rat Hypothalamus. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2324-2333.	2.4	21
25	BOLD responses to trigeminal nerve stimulation. Magnetic Resonance Imaging, 2010, 28, 1143-1151.	1.0	21
26	Minimization of Nyquist ghosting for echoâ€planar imaging at ultraâ€high fields based on a â€negative readout gradientâ€strategy. Journal of Magnetic Resonance Imaging, 2009, 30, 1171-1178.	1.9	31
27	Snapshot gradient-recalled echo-planar images of rat brains at long echo time at 9.4 T. Magnetic Resonance Imaging, 2008, 26, 954-960.	1.0	5
28	Ion beam modification of PES, PS and PVC polymers. Nuclear Instruments & Methods in Physics Research B, 1999, 148, 1141-1145.	0.6	33