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List of Publications by Year in descending order

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papers

594
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623734

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times ranked

715
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of intracellular processes in quinolinic acid-induced brain damage by imaging reactive oxygen species generation and mitochondrial complex I activity. <i>EJNMMI Research</i> , 2021, 11, 99.	2.5	3
2	Ex Vivo imaging and analysis of ROS generation correlated with microglial activation in rat model with acute neuroinflammation induced by intrastriatal injection of LPS. <i>Biochemical and Biophysical Research Communications</i> , 2021, 584, 101-106.	2.1	9
3	A Simple Ex Vivo Semiquantitative Fluorescent Imaging Utilizing Planar Laser Scanner: Detection of Reactive Oxygen Species Generation in Mouse Brain and Kidney. <i>Molecular Imaging</i> , 2019, 18, 153601211882042.	1.4	6
4	Kinetic study of benzyl [1-14C]acetate as a potential probe for astrocytic energy metabolism in the rat brain: Comparison with benzyl [2-14C]acetate. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 442-450.	4.3	0
5	Improvement of brain uptake for in vivo PET imaging of astrocytic oxidative metabolism using benzyl [1-11C]acetate. <i>Applied Radiation and Isotopes</i> , 2013, 78, 102-107.	1.5	6
6	Production and purification of the positron emitter zinc-63. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2012, 55, 5-9.	1.0	9
7	Microdialysis with Radiometric Monitoring of L-[12- ¹¹ C]DOPA to Assess Dopaminergic Metabolism: Effect of Inhibitors of L-Amino Acid Decarboxylase, Monoamine Oxidase, and Catechol-O-Methyltransferase on Rat Striatal Dialysate. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 124-131.	4.3	20
8	Anticonvulsant effects of methyl ethyl ketone and diethyl ketone in several types of mouse seizure models. <i>European Journal of Pharmacology</i> , 2010, 642, 66-71.	3.5	8
9	Remarkable increase in 14C-acetate uptake in an epilepsy model rat brain induced by lithium-pilocarpine. <i>Brain Research</i> , 2010, 1311, 158-165.	2.2	7
10	PK11195 might selectively suppress the quinolinic acid-induced enhancement of anaerobic glycolysis in glial cells. <i>Brain Research</i> , 2010, 1340, 18-23.	2.2	4
11	Remarkable selectivity of the in vivo binding of [3H]Ro15-4513 to α_5 subtype of benzodiazepine receptor in the living mouse brain. <i>Synapse</i> , 2010, 64, 928-936.	1.2	8
12	In vivo imaging and quantitative analysis of TSPO in rat peripheral tissues using small-animal PET with [18F]FEDAC. <i>Nuclear Medicine and Biology</i> , 2010, 37, 853-860.	0.6	17
13	Characterization of 14C-acetate uptake in cultured rat astrocytes. <i>Brain Research</i> , 2009, 1253, 69-73.	2.2	14
14	Role of NMDA receptor upon [14C]acetate uptake into intact rat brain. <i>Annals of Nuclear Medicine</i> , 2009, 23, 143-147.	2.2	6
15	De-coupling of blood flow and metabolism in the rat brain induced by glutamate. <i>Annals of Nuclear Medicine</i> , 2009, 23, 293-300.	2.2	4
16	Methyl ethyl ketone blocks status epilepticus induced by lithium-pilocarpine in rats. <i>British Journal of Pharmacology</i> , 2009, 158, 872-878.	5.4	11
17	In vivo monitoring of extracellular 13N-glutamine derived from blood-borne 13N-ammonia in rat striatum using microdialysis with radio-LC method. <i>Journal of Neuroscience Methods</i> , 2009, 184, 37-41.	2.5	5
18	Glucose utilization in the brain during acute seizure is a useful biomarker for the evaluation of anticonvulsants: effect of methyl ethyl ketone in lithium-pilocarpine status epilepticus rats. <i>Nuclear Medicine and Biology</i> , 2009, 36, 949-954.	0.6	7

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19	Inhibitory effect of methyl ethyl ketone upon the enhancement of cerebral blood flow during status epilepticus induced by lithium-pilocarpine. <i>Neuroscience Letters</i> , 2009, 462, 300-302.	2.1	0
20	Uncoupling of flow and metabolism by chloral hydrate: a rat in-vivo autoradiographic study. <i>NeuroReport</i> , 2009, 20, 219-222.	1.2	22
21	Lactate is an alternative energy fuel to glucose in neurons under anesthesia. <i>NeuroReport</i> , 2009, 20, 1538-1542.	1.2	9
22	Effect of Glial Metabolism Inhibition upon Retention of ^{99m} Tc-HMPAO in Rat Brain. <i>Radioisotopes</i> , 2009, 58, 649-654.	0.2	0
23	[¹⁴ C]Benzyl acetate is a potential radiotracer for the measurement of glial metabolism in the rat brain. <i>Nuclear Medicine and Biology</i> , 2007, 34, 939-944.	0.6	12
24	Sensitive Reduction in ¹⁴ C-acetate Uptake in a Short-term Ischemic Rat Brain. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2007, 16, 77-81.	1.6	21
25	Role of NMDA receptors in the increase of glucose metabolism in the rat brain induced by fluorocitrate. <i>Neuroscience Letters</i> , 2007, 415, 259-263.	2.1	17
26	The apparent positive cooperativity of in vivo [³ H]PK-11195 binding in mouse fibrosarcoma. <i>Nuclear Medicine and Biology</i> , 2006, 33, 797-800.	0.6	4
27	Blood flow dependence of the intratumoral distribution of peripheral benzodiazepine receptor binding in intact mouse fibrosarcoma. <i>Nuclear Medicine and Biology</i> , 2006, 33, 971-975.	0.6	16
28	Evaluation of [¹⁴ C]phenylacetate as a prototype tracer for the measurement of glial metabolism in the rat brain. <i>Nuclear Medicine and Biology</i> , 2006, 33, 985-989.	0.6	15
29	Glial metabolic dysfunction caused neural damage by short-term ischemia in brain. <i>Annals of Nuclear Medicine</i> , 2006, 20, 377-380.	2.2	10
30	Comparative Measurement of In Vivo and In Vitro Receptor Binding in the Same Rat Brain. <i>Radioisotopes</i> , 2006, 55, 29-33.	0.2	1
31	MicroPET detection of enhanced ¹⁸ F-FDG utilization by PKA inhibitor in awake rat brain. <i>Brain Research</i> , 2005, 1039, 199-202.	2.2	40
32	Effect of rolipram on relative ¹⁴ C-deoxyglucose uptake in inflammatory lesions and skeletal muscle. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2005, 32, 163-166.	6.4	1
33	Distinct different intra-tumor distribution of FDG between early phase and late phase in mouse fibrosarcoma. <i>Annals of Nuclear Medicine</i> , 2005, 19, 655-659.	2.2	2
34	Changes in in vivo [³ H]-Ro15-4513 binding induced by forced swimming in mice. <i>Synapse</i> , 2005, 58, 23-29.	1.2	2
35	Mapping of glial metabolism in intact rat brain using ¹⁴ C-acetate. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S26-S26.	4.3	0
36	Effect of Astrocytic Energy Metabolism Depressant on ¹⁴ C-Acetate Uptake in Intact Rat Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 188-190.	4.3	40

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37	Discrepancy between cell injury and benzodiazepine receptor binding after transient middle cerebral artery occlusion in rats. <i>Synapse</i> , 2004, 53, 234-239.	1.2	19
38	Rat-PET study without anesthesia: Anesthetics modify the dopamine D1 receptor binding in rat brain. <i>Synapse</i> , 2004, 54, 207-213.	1.2	74
39	Uncoupling of flow and metabolism induced by sodium nitroprusside in rat cerebral cortex. <i>NeuroReport</i> , 2004, 15, 141-145.	1.2	6
40	Effect of sabcomeline on muscarinic and dopamine receptor binding in intact mouse brain. <i>Annals of Nuclear Medicine</i> , 2003, 17, 123-130.	2.2	1
41	Ionic interaction of [11C]-N, β -dimethylbenzylamine (DMBA) in rodent brain. <i>Annals of Nuclear Medicine</i> , 2003, 17, 469-473.	2.2	0
42	Sensitivities of benzodiazepine receptor binding and muscarinic acetylcholine receptor binding for the detection of neural cell death caused by sodium nitroprusside microinjection in rat brain. <i>Synapse</i> , 2003, 49, 134-141.	1.2	10
43	Intrastriatal microinjection of sodium nitroprusside induces cell death and reduces binding of dopaminergic receptors. <i>Synapse</i> , 2003, 50, 137-143.	1.2	8
44	Changes in Histological Construction and Decrease in 3H-QNB Binding in the Rat Brain after Prenatal X-irradiation. <i>Journal of Radiation Research</i> , 2002, 43, 277-282.	1.6	6
45	Increment of in vivo binding of [3H]SCH 23390, a dopamine D1 receptor ligand, induced by cyclic AMP-dependent protein kinase in rat brain. <i>Brain Research</i> , 2002, 952, 211-217.	2.2	4
46	Enhancement of the relative uptake of ^{18}F -FDG in mouse fibrosarcoma by rolipram. <i>Annals of Nuclear Medicine</i> , 2002, 16, 507-510.	2.2	3
47	Rolipram depresses [3H]2-deoxyglucose uptake in mouse brain and heart in vivo. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002, 29, 1212-1215.	6.4	9
48	Different sensitivities to competitive inhibition of benzodiazepine receptor binding of ^{11}C -iomazenil and ^{11}C -flumazenil in rhesus monkey brain. <i>Annals of Nuclear Medicine</i> , 2001, 15, 137-139.	2.2	5
49	The role of the cAMP-PKA system in the short-term regulation of striatal [^{14}C]-2-deoxyglucose uptake in freely moving rats. <i>Brain Research</i> , 2001, 921, 260-263.	2.2	6
50	Opposing effects of clomipramine on [^{125}I]RTI-55 and [3H]N-methylspiperone binding in mouse striatum: Important role of other factors than endogenous dopamine?. , 1998, 30, 338-340.		3
51	Effects of the GABAergic system on in vivo binding of [3H]N-methylspiperone. <i>Neuropharmacology</i> , 1998, 37, 375-381.	4.1	2
52	Isoform-specific Up-regulation by Ouabain of $\text{Na}^+\text{,K}^+\text{-ATPase}$ in Cultured Rat Astrocytes. <i>Journal of Neurochemistry</i> , 1997, 69, 2189-2196.	3.9	32
53	Ouabain-Induced Cell Proliferation in Cultured Rat Astrocytes. <i>The Japanese Journal of Pharmacology</i> , 1996, 72, 347-353.	1.2	34
54	Involvement of $\text{Na}^+\text{,K}^+\text{-ATPase}$ in the Mitogenic Effect of Insulin-Like Growth Factor- β on Cultured Rat Astrocytes. <i>Journal of Neurochemistry</i> , 1996, 66, 511-516.	3.9	16