

Zsolt Kis

List of Publications by Year in descending order

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43
papers

975
citations

331670

21
h-index

477307

29
g-index

43
all docs

43
docs citations

43
times ranked

1391
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of the primary motor cortex by somatosensory stimulation in adult rats is mediated mainly by associational connections from the somatosensory cortex. <i>Neuroscience</i> , 1999, 90, 353-361.	2.3	91
2	Neuroprotection with a new kynurenic acid analog in the four-vessel occlusion model of ischemia. <i>European Journal of Pharmacology</i> , 2011, 667, 182-187.	3.5	50
3	Kynurenine administered together with probenecid markedly inhibits pentylenetetrazol-induced seizures. An electrophysiological and behavioural study. <i>Neuropharmacology</i> , 2004, 47, 916-925.	4.1	49
4	Kynurenine diminishes the ischemia-induced histological and electrophysiological deficits in the rat hippocampus. <i>Neurobiology of Disease</i> , 2008, 32, 302-308.	4.4	49
5	Hormonal enhancement of neuronal firing is linked to structural remodelling of excitatory and inhibitory synapses. <i>European Journal of Neuroscience</i> , 2002, 16, 665-670.	2.6	39
6	A novel kynurenic acid analogue: a comparison with kynurenic acid. An in vitro electrophysiological study. <i>Journal of Neural Transmission</i> , 2010, 117, 183-188.	2.8	36
7	Oxaloacetate restores the long-term potentiation impaired in rat hippocampus CA1 region by 2-vessel occlusion. <i>European Journal of Pharmacology</i> , 2009, 604, 51-57.	3.5	31
8	Oxaloacetate Decreases the Infarct Size and Attenuates the Reduction in Evoked Responses after Photothrombotic Focal Ischemia in the Rat Cortex. <i>Cellular and Molecular Neurobiology</i> , 2009, 29, 827-835.	3.3	31
9	Comparative study on the effects of kynurenic acid and glucosamineâ€“kynurenic acid. <i>Pharmacology Biochemistry and Behavior</i> , 2004, 77, 95-102.	2.9	30
10	Hippocampal (CA1) activities in Wistar rats from different vendors. <i>Journal of Neuroscience Methods</i> , 2006, 156, 231-235.	2.5	30
11	Systemic L-Kynurenine sulfate administration disrupts object recognition memory, alters open field behavior and decreases c-Fos immunopositivity in C57Bl/6 mice. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 157.	2.0	30
12	Facial nerve injury-induced disinhibition in the primary motor cortices of both hemispheres. <i>European Journal of Neuroscience</i> , 2000, 12, 2190-2194.	2.6	29
13	Dehydroepiandrosterone Sulfate Is Neuroprotective when Administered Either before or after Injury in a Focal Cortical Cold Lesion Model. <i>Endocrinology</i> , 2006, 147, 683-686.	2.8	28
14	Unexpected effects of peripherally administered kynurenic acid on cortical spreading depression and related blood–brain barrier permeability. <i>Drug Design, Development and Therapy</i> , 2013, 7, 981.	4.3	28
15	Pentapeptides derived from AÎ²1â€“42 protect neurons from the modulatory effect of AÎ² fibrilsâ€“an in vitro and in vivo electrophysiological study. <i>Neurobiology of Disease</i> , 2005, 18, 499-508.	4.4	25
16	Endomorphinâ€“2, an endogenous tetrapeptide, protects against AÎ²1â€“42 in vitro and in vivo. <i>FASEB Journal</i> , 2006, 20, 1191-1193.	0.5	24
17	Comparative study of the neuronal plasticity along the neuraxis of the vibrissal sensory system of adult rat following unilateral infraorbital nerve damage and subsequent regeneration. <i>Experimental Brain Research</i> , 1999, 126, 259-269.	1.5	23
18	Synthesis and biological effects of some kynurenic acid analogs. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7590-7596.	3.0	23

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19	Kainate postconditioning restores LTP in ischemic hippocampal CA1: Onset-dependent second pathophysiological stress. <i>Neuropharmacology</i> , 2011, 61, 1026-1032.	4.1	22
20	Behavioural studies with a newly developed neuroprotective KYNA-amide. <i>Journal of Neural Transmission</i> , 2012, 119, 165-172.	2.8	22
21	Facial nerve injury induces facilitation of responses in both trigeminal and facial nuclei of rat. <i>Neuroscience Letters</i> , 2004, 358, 223-225.	2.1	21
22	Acetyl-L-carnitine normalizes the impaired long-term potentiation and spine density in a rat model of global ischemia. <i>Neuroscience</i> , 2014, 269, 265-272.	2.3	21
23	Astrocytic and neuronal localization of kynurenine aminotransferase-2 in the adult mouse brain. <i>Brain Structure and Function</i> , 2017, 222, 1663-1672.	2.3	21
24	Neuroprotective Effect of Oxaloacetate in a Focal Brain Ischemic Model in the Rat. <i>Cellular and Molecular Neurobiology</i> , 2015, 35, 17-22.	3.3	18
25	Acetyl-L-carnitine restores synaptic transmission and enhances the inducibility of stable LTP after oxygen-glucose deprivation. <i>Neuroscience</i> , 2016, 332, 203-211.	2.3	17
26	Long-term effects of neonatal MK-801 treatment on spatial learning and cortical plasticity in adult rats. <i>Psychopharmacology</i> , 2002, 160, 1-8.	3.1	16
27	Relevance of the genetic polymorphism of NOD1 in <i>Chlamydia pneumoniae</i> seropositive stroke patients. <i>European Journal of Neurology</i> , 2009, 16, 1224-1229.	3.3	16
28	Post-ischemic treatment with L-kynurenine sulfate exacerbates neuronal damage after transient middle cerebral artery occlusion. <i>Neuroscience</i> , 2013, 247, 95-101.	2.3	16
29	Fundamental interstrain differences in cortical activity between Wistar and Sprague-Dawley rats during global ischemia. <i>Neuroscience</i> , 2013, 228, 371-381.	2.3	16
30	Estrogen effects on arcuate neurons in rat. An in situ electrophysiological study. <i>NeuroReport</i> , 1999, 10, 3649-3652.	1.2	14
31	Paradox effects of kynurenines on LTP induction in the Wistar rat. An in vivo study. <i>Neuroscience Letters</i> , 2013, 553, 138-141.	2.1	14
32	The modulatory effect of estrogen on the neuronal activity in the barrel cortex of the rat. An electrophysiological study. <i>NeuroReport</i> , 2001, 12, 2509-2512.	1.2	11
33	Oestrogen-dependent tracing in the rat CNS after pseudorabies virus infection. <i>European Journal of Neuroscience</i> , 2002, 15, 937-943.	2.6	11
34	Peripheral nerve injury influences the disinhibition induced by focal ischaemia in the rat motor cortex. <i>Neuroscience Letters</i> , 2003, 342, 49-52.	2.1	10
35	Use of a Recombinant Pseudorabies Virus to Analyze Motor Cortical Reorganization after Unilateral Facial Denervation. <i>Cerebral Cortex</i> , 2005, 15, 378-384.	2.9	10
36	Investigating KYNA production and kynurenergic manipulation on acute mouse brain slice preparations. <i>Brain Research Bulletin</i> , 2019, 146, 185-191.	3.0	10

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37	Spatiotemporal changes of the herpes simplex virus entry receptor nectin-1 in murine brain during postnatal development. <i>Journal of NeuroVirology</i> , 2006, 12, 161-170.	2.1	9
38	Effects of Blood Glutamate Scavenging on Cortical Evoked Potentials. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 1101-1106.	3.3	9
39	Effects of Dehydroepiandrosterone Sulfate on the Evoked Cortical Activity of Controls and of Brain-Injured Rats. <i>Cellular and Molecular Neurobiology</i> , 2006, 26, 1503-1517.	3.3	7
40	Systemic administration of l-kynurenine sulfate induces cerebral hypoperfusion transients in adult C57Bl/6 mice. <i>Microvascular Research</i> , 2017, 114, 19-25.	2.5	6
41	Species-specific neuronal localization of kynurenine aminotransferase-2 in the mouse cerebellum. <i>Neurochemistry International</i> , 2021, 142, 104920.	3.8	5
42	A simple novel technique to induce short-lasting local brain ischaemia in the rat. <i>Neuropathology and Applied Neurobiology</i> , 2014, 40, 603-609.	3.2	4
43	Acetyl-L-carnitine and oxaloacetate in post-treatment against LTP impairment in a rat ischemia model. An in vitro electrophysiological study. <i>Journal of Neural Transmission</i> , 2015, 122, 867-872.	2.8	3