

Kovcs Zsolt

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53
papers

951
citations

19
h-index

29
g-index

66
ext. papers

1,132
ext. citations

4.2
avg, IF

4.28
L-index

#	Paper	IF	Citations
53	Facilitation of spike-wave discharge activity by lipopolysaccharides in Wistar Albino Glaxo/Rijswijk rats. <i>Neuroscience</i> , 2006 , 140, 731-42	3.9	57
52	Exogenous Ketone Supplements Reduce Anxiety-Related Behavior in Sprague-Dawley and Wistar Albino Glaxo/Rijswijk Rats. <i>Frontiers in Molecular Neuroscience</i> , 2016 , 9, 137	6.1	50
51	Intracerebroventricularly administered lipopolysaccharide enhances spike-wave discharges in freely moving WAG/Rij rats. <i>Brain Research Bulletin</i> , 2011 , 85, 410-6	3.9	48
50	Matrix metalloproteinase-9 activity increased by two different types of epileptic seizures that do not induce neuronal death: a possible role in homeostatic synaptic plasticity. <i>Neurochemistry International</i> , 2010 , 56, 799-809	4.4	46
49	Lipopolysaccharide induced increase in seizure activity in two animal models of absence epilepsy WAG/Rij and GAERS rats and Long Evans rats. <i>Brain Research Bulletin</i> , 2014 , 104, 7-18	3.9	45
48	Uridine function in the central nervous system. <i>Current Topics in Medicinal Chemistry</i> , 2011 , 11, 1058-67	3	45
47	Dysfunction of Endoplasmic Reticulum (ER) and Mitochondria (MT) in Alzheimer's Disease: The Role of the ER-MT Cross-Talk. <i>Current Alzheimer Research</i> , 2015 , 12, 655-72	3	45
46	Regional distribution and effects of postmortal delay on endocannabinoid content of the human brain. <i>Neuroscience</i> , 2008 , 152, 1032-9	3.9	37
45	Receptors of peptides as therapeutic targets in epilepsy research. <i>Current Medicinal Chemistry</i> , 2014 , 21, 764-87	4.3	36
44	The Role of Lipids and Membranes in the Pathogenesis of Alzheimer's Disease: A Comprehensive View. <i>Current Alzheimer Research</i> , 2018 , 15, 1191-1212	3	34
43	PACAP application improves functional outcome of chronic retinal ischemic injury in rats-evidence from electroretinographic measurements. <i>Journal of Molecular Neuroscience</i> , 2014 , 54, 293-9	3.3	33
42	Adenosine A1 Receptor Antagonism Abolished the Anti-seizure Effects of Exogenous Ketone Supplementation in Wistar Albino Glaxo Rijswijk Rats. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 235	6.1	32
41	Area, age and gender dependence of the nucleoside system in the brain: a review of current literature. <i>Current Topics in Medicinal Chemistry</i> , 2011 , 11, 1012-33	3	32
40	The antiepileptic potential of nucleosides. <i>Current Medicinal Chemistry</i> , 2014 , 21, 788-821	4.3	26
39	Absence epileptic activity changing effects of non-adenosine nucleoside inosine, guanosine and uridine in Wistar Albino Glaxo Rijswijk rats. <i>Neuroscience</i> , 2015 , 300, 593-608	3.9	25
38	Nucleoside map of the human central nervous system. <i>Neurochemical Research</i> , 2010 , 35, 452-64	4.6	24
37	Therapeutic Potential of Exogenous Ketone Supplement Induced Ketosis in the Treatment of Psychiatric Disorders: Review of Current Literature. <i>Frontiers in Psychiatry</i> , 2019 , 10, 363	5	21

36	Non-adenosine nucleoside inosine, guanosine and uridine as promising antiepileptic drugs: a summary of current literature. <i>Mini-Reviews in Medicinal Chemistry</i> , 2015 , 14, 1033-42	3.2	19
35	The effect of intraperitoneally administered dimethyl sulfoxide on absence-like epileptic activity of freely moving WAG/Rij rats. <i>Journal of Neuroscience Methods</i> , 2011 , 197, 133-6	3	19
34	Uridine is released by depolarization and inhibits unit activity in the rat hippocampus. <i>NeuroReport</i> , 1999 , 10, 3049-53	1.7	19
33	5Nucleotidases, nucleosides and their distribution in the brain: pathological and therapeutic implications. <i>Current Medicinal Chemistry</i> , 2013 , 20, 4217-40	4.3	19
32	Brain protein expression changes in WAG/Rij rats, a genetic rat model of absence epilepsy after peripheral lipopolysaccharide treatment. <i>Brain, Behavior, and Immunity</i> , 2014 , 35, 86-95	16.6	18
31	Anxiolytic Effect of Exogenous Ketone Supplementation Is Abolished by Adenosine A1 Receptor Inhibition in Wistar Albino Glaxo/Rijswijk Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2018 , 12, 29	3.5	16
30	Post mortem degradation of nucleosides in the brain: comparison of human and rat brains for estimation of in vivo concentration of nucleosides. <i>Journal of Neuroscience Methods</i> , 2005 , 148, 88-93	3	16
29	Exogenous Ketones Lower Blood Glucose Level in Rested and Exercised Rodent Models. <i>Nutrients</i> , 2019 , 11,	6.7	15
28	Uridine modulates neuronal activity and inhibits spike-wave discharges of absence epileptic Long Evans and Wistar Albino Glaxo/Rijswijk rats. <i>Brain Research Bulletin</i> , 2013 , 97, 16-23	3.9	15
27	Connexin 43 Differentially Regulates Epileptiform Activity in Models of Convulsive and Non-convulsive Epilepsies. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 173	6.1	13
26	Gender- and age-dependent changes in nucleoside levels in the cerebral cortex and white matter of the human brain. <i>Brain Research Bulletin</i> , 2010 , 81, 579-84	3.9	12
25	Exogenous Ketone Supplementation Decreased the Lipopolysaccharide-Induced Increase in Absence Epileptic Activity in Wistar Albino Glaxo Rijswijk Rats. <i>Frontiers in Molecular Neuroscience</i> , 2019 , 12, 45	6.1	11
24	Alterations in hippocampal and cortical densities of functionally different interneurons in rat models of absence epilepsy. <i>Epilepsy Research</i> , 2018 , 145, 40-50	3	11
23	Guanosine may increase absence epileptic activity by means of A2A adenosine receptors in Wistar Albino Glaxo Rijswijk rats. <i>Brain Research Bulletin</i> , 2016 , 124, 172-81	3.9	11
22	Neonatal tricyclic antidepressant clomipramine treatment reduces the spike-wave discharge activity of the adult WAG/Rij rat. <i>Brain Research Bulletin</i> , 2012 , 89, 102-7	3.9	10
21	Concentration of nucleosides and related compounds in cerebral and cerebellar cortical areas and white matter of the human brain. <i>Cellular and Molecular Neurobiology</i> , 2006 , 26, 833-44	4.6	9
20	Nutritional ketosis delays the onset of isoflurane induced anesthesia. <i>BMC Anesthesiology</i> , 2018 , 18, 85	2.4	9
19	Modulatory effects of inosine, guanosine and uridine on lipopolysaccharide-evoked increase in spike-wave discharge activity in Wistar Albino Glaxo/Rijswijk rats. <i>Brain Research Bulletin</i> , 2015 , 118, 46-57	3.9	8

18	Genistein induces phosphorylation of cAMP response element-binding protein in neonatal hypothalamus in vivo. <i>Journal of Neuroendocrinology</i> , 2009 , 21, 1024-8	3.8	7
17	Elevated Plus Maze Test Combined with Video Tracking Software to Investigate the Anxiolytic Effect of Exogenous Ketogenic Supplements. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	6
16	Clomipramine increases the incidence and duration of spike-wave discharges in freely moving WAG/Rij rats. <i>Epilepsy Research</i> , 2010 , 90, 167-70	3	6
15	Suppression of spike-wave discharge activity and c-fos expression by 2-methyl-4-oxo-3H-quinazoline-3-acetyl piperidine (Q5) in vivo. <i>Neuroscience Letters</i> , 2007 , 423, 73-7	3.3	6
14	Doxycycline could aggravate the absence-like epileptic seizures of WAG/Rij rats via matrix metalloproteinase inhibition. <i>Neurochemistry International</i> , 2011 , 59, 563-6	4.4	5
13	Exogenous Ketone Supplements Improved Motor Performance in Preclinical Rodent Models. <i>Nutrients</i> , 2020 , 12,	6.7	5
12	Enhancement of Ketone Supplements-Evoked Effect on Absence Epileptic Activity by Co-Administration of Uridine in Wistar Albino Glaxo Rijswijk Rats. <i>Nutrients</i> , 2021 , 13,	6.7	4
11	Suckling induced activation pattern in the brain of rat pups. <i>Nutritional Neuroscience</i> , 2018 , 21, 317-327	3.6	3
10	Inhibition of adenosine A1 receptors abolished the nutritional ketosis-evoked delay in the onset of isoflurane-induced anesthesia in Wistar Albino Glaxo Rijswijk rats. <i>BMC Anesthesiology</i> , 2020 , 20, 30	2.4	3
9	Effects of nucleosides on glia - neuron interactions open up new vistas in the development of more effective antiepileptic drugs. <i>Current Medicinal Chemistry</i> , 2015 , 22, 1500-14	4.3	3
8	Absence epileptic activity in Wistar Albino Glaxo Rijswijk rat mothers. <i>Brain Research</i> , 2017 , 1657, 368-376	3.7	2
7	Uric acid and allopurinol aggravate absence epileptic activity in Wistar Albino Glaxo Rijswijk rats. <i>Brain Research</i> , 2018 , 1686, 1-9	3.7	2
6	Beneficial Effects of Exogenous Ketogenic Supplements on Aging Processes and Age-Related Neurodegenerative Diseases. <i>Nutrients</i> , 2021 , 13,	6.7	2
5	Age- and Sex-Dependent Modulation of Exogenous Ketone Supplement-Evoked Effects on Blood Glucose and Ketone Body Levels in Wistar Albino Glaxo Rijswijk Rats. <i>Frontiers in Neuroscience</i> , 2020 , 14, 618422	5.1	2
4	Anatomical Distribution of Nucleoside System in the Human Brain and Implications for Therapy 2013 , 621-656		1
3	Critical Role of Astrocytic Polyamine and GABA Metabolism in Epileptogenesis.. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 787319	6.1	1
2	Adenosine Receptors Modulate the Exogenous Ketogenic Supplement-Evoked Alleviating Effect on Lipopolysaccharide-Generated Increase in Absence Epileptic Activity in WAG/Rij Rats. <i>Nutrients</i> , 2021 , 13,	6.7	0
1	Exogenous ketones lower blood glucose level. <i>FASEB Journal</i> , 2018 , 32, 925.11	0.9	

