GÃ¡bor D JuhÃ¡sz

List of Publications by Year
in descending order

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119	3,968	109321	155660
papers	citations	35 h-index	55 g-index

121	121	121	5316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Effect of Sleep Deprivation and Subsequent Recovery Period on the Synaptic Proteome of Rat Cerebral Cortex. Molecular Neurobiology, 2022, 59, 1301.	4.0	9
2	Cell Surface Protein mRNAs Show Differential Transcription in Pyramidal and Fast-Spiking Cells as Revealed by Single-Cell Sequencing. Cerebral Cortex, 2021, 31, 731-745.	2.9	5
3	The prefrontal cortex in depression: Use of proteomics. , 2021, , 255-264.		0
4	The Single-Cell Transcriptomic Analysis of Prefrontal Pyramidal Cells and Interneurons Reveals the Neuronal Expression of Genes Encoding Antimicrobial Peptides and Immune Proteins. Frontiers in Immunology, 2021, 12, 749433.	4.8	1
5	Chronic stepwise cerebral hypoperfusion differentially induces synaptic proteome changes in the frontal cortex, occipital cortex, and hippocampus in rats. Scientific Reports, 2020, 10, 15999.	3.3	8
6	Proteomic comparison of different synaptosome preparation procedures. Amino Acids, 2020, 52, 1529-1543.	2.7	25
7	Proteomic identification of Placental Protein 1 (PP1), PP8, and PP22 and characterization of their placental expression in healthy pregnancies and in preeclampsia. Placenta, 2020, 99, 197-207.	1.5	3
8	Synaptic mitochondrial dysfunction and septin accumulation are linked to complement-mediated synapse loss in an Alzheimerâ€™s disease animal model. Cellular and Molecular Life Sciences, 2020, 77, 5243-5258.	5.4	39
9	Identification of Neuronal Pentraxins as Synaptic Binding Partners of C1q and the Involvement of NP1 in Synaptic Pruning in Adult Mice. Frontiers in Immunology, 2020, 11, 599771.	4.8	21
10	Early Presymptomatic Changes in the Proteome of Mitochondria-Associated Membrane in the APP/PS1 Mouse Model of Alzheimerâ€™s Disease. Molecular Neurobiology, 2018, 55, 7839-7857.	4.0	55
11	Local apoptotic-like mechanisms underlie complement-mediated synaptic pruning. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6303-6308.	7.1	133
12	Integrated Systems Biology Approach Identifies Novel Maternal and Placental Pathways of Preeclampsia. Frontiers in Immunology, 2018, 9, 1661.	4.8	146
13	Alterations in hippocampal and cortical densities of functionally different interneurons in rat models of absence epilepsy. Epilepsy Research, 2018, 145, 40-50.	1.6	18
14	Mitochondrial Proteome Changes Correlating with Î²-Amyloid Accumulation. Molecular Neurobiology, 2017, 54, 2060-2078.	4.0	17
15	Maternal alterations in the proteome of the medial prefrontal cortex in rat. Journal of Proteomics, 2017, 153, 65-77.	2.4	10
16	The short- and long-term proteomic effects of sleep deprivation on the cortical and thalamic synapses. Molecular and Cellular Neurosciences, 2017, 79, 64-80.	2.2	13
17	Synaptic proteome changes in the hypothalamus of mother rats. Journal of Proteomics, 2017, 159, 54-66.	2.4	10
18	Proteomic investigation of the prefrontal cortex in the rat clomipramine model of depression. Journal of Proteomics, 2017, 153, 53-64.	2.4	21

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19	Exogenous Ketone Supplements Reduce Anxiety-Related Behavior in Sprague-Dawley and Wistar Albino Glaxo/Rijswijk Rats. Frontiers in Molecular Neuroscience, 2016, 9, 137.	2.9	74
20	Widespread alterations in the synaptic proteome of the adolescent cerebral cortex following prenatal immune activation in rats. Brain, Behavior, and Immunity, 2016, 56, 289-309.	4.1	17
21	Guanosine may increase absence epileptic activity by means of A2A adenosine receptors in Wistar Albino Glaxo Rijswijk rats. Brain Research Bulletin, 2016, 124, 172-181.	3.0	11
22	Retino-cortical stimulus frequency-dependent gamma coupling: evidence and functional implications of oscillatory potentials. Physiological Reports, 2016, 4, e12986.	1.7	14
23	A silicon-based microelectrode array with a microdrive for monitoring brainstem regions of freely moving rats. Journal of Neural Engineering, 2016, 13, 026025.	3.5	17
24	Non-adenosine Nucleoside Inosine, Guanosine and Uridine as Promising Antiepileptic Drugs: a Summary of Current Literature. Mini-Reviews in Medicinal Chemistry, 2015, 14, 1033-1042.	2.4	21
25	Absence epileptic activity changing effects of non-adenosine nucleoside inosine, guanosine and uridine in Wistar Albino Glaxo Rijswijk rats. Neuroscience, 2015, 300, 593-608.	2.3	31
26	Synaptic mitochondria: A brain mitochondria cluster with a specific proteome. Journal of Proteomics, 2015, 120, 142-157.	2.4	59
27	Modulatory effects of inosine, guanosine and uridine on lipopolysaccharide-evoked increase in spike-wave discharge activity in Wistar Albino Glaxo/Rijswijk rats. Brain Research Bulletin, 2015, 118, 46-57.	3.0	8
28	Effects of Nucleosides on Glia - Neuron Interactions Open up New Vistas in the Development of More Effective Antiepileptic Drugs. Current Medicinal Chemistry, 2015, 22, 1500-1514.	2.4	3
29	Dysfunction of Endoplasmic Reticulum (ER) and Mitochondria (MT) in Alzheimer's Disease: The Role of the ER-MT Cross-Talk. Current Alzheimer Research, 2015, 12, 655-672.	1.4	53
30	Brainstem stimulation augments information integration in the cerebral cortex of desflurane-anesthetized rats. Frontiers in Integrative Neuroscience, 2014, 8, 8.	2.1	13
31	Brain protein expression changes in WAG/Rij rats, a genetic rat model of absence epilepsy after peripheral lipopolysaccharide treatment. Brain, Behavior, and Immunity, 2014, 35, 86-95.	4.1	20
32	Lipopolysaccharide induced increase in seizure activity in two animal models of absence epilepsy WAG/Rij and GAERS rats and Long Evans rats. Brain Research Bulletin, 2014, 104, 7-18.	3.0	48
33	Receptors of Peptides as Therapeutic Targets in Epilepsy Research. Current Medicinal Chemistry, 2014, 21, 764-787.	2.4	39
34	The Antiepileptic Potential of Nucleosides. Current Medicinal Chemistry, 2014, 21, 788-821.	2.4	29
35	In Vivo Measurements With Robust Silicon-Based Multielectrode Arrays With Extreme Shaft Lengths. IEEE Sensors Journal, 2013, 13, 3263-3269.	4.7	13
36	Uridine modulates neuronal activity and inhibits spike-wave discharges of absence epileptic Long Evans and Wistar Albino Glaxo/Rijswijk rats. Brain Research Bulletin, 2013, 97, 16-23.	3.0	15

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37	5'-Nucleotidases, Nucleosides and their Distribution in the Brain: Pathological and Therapeutic Implications. Current Medicinal Chemistry, 2013, 20, 4217-4240.	2.4	26
38	Deep-brain silicon multielectrodes with surface-modified Pt recording sites. , 2012, , .		1
39	Synaptic cell adhesion moleculeâ€2 and collapsin response mediator proteinâ€2 are novel members of the matrix metalloproteinaseâ€9 degradome. Journal of Neurochemistry, 2012, 122, 775-788.	3.9	34
40	Neonatal tricyclic antidepressant clomipramine treatment reduces the spike-wave discharge activity of the adult WAG/Rij rat. Brain Research Bulletin, 2012, 89, 102-107.	3.0	13
41	Altered Functional Protein Networks in the Prefrontal Cortex and Amygdala of Victims of Suicide. PLoS ONE, 2012, 7, e50532.	2.5	59
42	Functional changes in transcriptomes of the prefrontal cortex and hippocampus in a mouse model of anxiety. Pharmacological Reports, 2011, 63, 348-361.	3.3	7
43	Intracerebroventricularly administered lipopolysaccharide enhances spikeâ€“wave discharges in freely moving WAG/Rij rats. Brain Research Bulletin, 2011, 85, 410-416.	3.0	58
44	Systems biology of Alzheimer's disease: How diverse molecular changes result in memory impairment in AD. Neurochemistry International, 2011, 58, 739-750.	3.8	24
45	Doxycycline could aggravate the absence-like epileptic seizures of WAG/Rij rats via matrix metalloproteinase inhibition. Neurochemistry International, 2011, 59, 563-566.	3.8	7
46	Thalamic gap junctions control local neuronal synchrony and influence macroscopic oscillation amplitude during EEG alpha rhythms. Frontiers in Psychology, 2011, 2, 193.	2.1	66
47	Cleavage of Kininogen and Subsequent Bradykinin Release by the Complement Component: Mannose-Binding Lectin-Associated Serine Protease (MASP)-1. PLoS ONE, 2011, 6, e20036.	2.5	104
48	Redistribution of CB1 Cannabinoid Receptors in the Acute and Chronic Phases of Pilocarpine-Induced Epilepsy. PLoS ONE, 2011, 6, e27196.	2.5	59
49	Area, Age and Gender Dependence of the Nucleoside System in the Brain: a Review of Current Literature. Current Topics in Medicinal Chemistry, 2011, 11, 1012-1033.	2.1	39
50	The effect of intraperitoneally administered dimethyl sulfoxide on absence-like epileptic activity of freely moving WAG/Rij rats. Journal of Neuroscience Methods, 2011, 197, 133-136.	2.5	27
51	Uridine Function in the Central Nervous System. Current Topics in Medicinal Chemistry, 2011, 11, 1058-1067.	2.1	72
52	Effects of Estrogen on Beta-Amyloid-Induced Cholinergic Cell Death in the Nucleus Basalis Magnocellularis. Neuroendocrinology, 2011, 93, 90-105.	2.5	20
53	Nucleoside Map of the Human Central Nervous System. Neurochemical Research, 2010, 35, 452-464.	3.3	29
54	Estrogen regulates cytoskeletal flexibility, cellular metabolism and synaptic proteins: A proteomic study. Psychoneuroendocrinology, 2010, 35, 807-819.	2.7	9

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55	Different electrophysiological actions of 24- and 72-hour aggregated amyloid-beta oligomers on hippocampal field population spike in both anesthetized and awake rats. Brain Research, 2010, 1354, 227-235.	2.2	20
56	Clomipramine increases the incidence and duration of spike-wave discharges in freely moving WAG/Rij rats. Epilepsy Research, 2010, 90, 167-170.	1.6	7
57	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. Neurochemistry International, 2010, 56, 799-809.	3.8	54
58	Gender- and age-dependent changes in nucleoside levels in the cerebral cortex and white matter of the human brain. Brain Research Bulletin, 2010, 81, 579-584.	3.0	19
59	A mouse model of anxiety molecularly characterized by altered protein networks in the brain proteome. European Neuropsychopharmacology, 2010, 20, 96-111.	0.7	66
60	Status epilepticus affects the gigantocellular network of the pontine reticular formation. BMC Neuroscience, 2009, 10, 133.	1.9	4
61	Temporal Framing of Thalamic Relay-Mode Firing by Phasic Inhibition during the Alpha Rhythm. Neuron, 2009, 63, 683-696.	8.1	281
62	Novel modes of rhythmic burst firing at cognitively-relevant frequencies in thalamocortical neurons. Brain Research, 2008, 1235, 12-20.	2.2	38
63	Generalization of seizures parallels the formation of â€œdarkâ€•neurons in the hippocampus and pontine reticular formation after focalâ€“cortical application of 4-aminopyridine (4-AP) in the rat. Brain Research, 2008, 1228, 217-228.	2.2	22
64	The mode of death of epilepsy-induced â€œdarkâ€•neurons is neither necrosis nor apoptosis: An electron-microscopic study. Brain Research, 2008, 1239, 207-215.	2.2	32
65	Functional Consequences of Retinopetal Fibers Originating in the Dorsal Raphe Nucleus. International Journal of Neuroscience, 2008, 118, 1374-1383.	1.6	12
66	Propagation of spike and wave activity to the medial prefrontal cortex and dorsal raphe nucleus of WAG/Rij rats. Physiology and Behavior, 2007, 90, 318-324.	2.1	18
67	Suppression of spike-wave discharge activity and c-fos expression by 2-methyl-4-oxo-3H-quinazoline-3-acetyl piperidine (Q5) in vivo. Neuroscience Letters, 2007, 423, 73-77.	2.1	6
68	Visible light induces matrix metalloproteinase-9 expression in rat eye. Journal of Neurochemistry, 2007, 103, 2224-2233.	3.9	9
69	Myelin basic protein, an autoantigen in multiple sclerosis, is selectively processed by human trypsin 4. FEBS Letters, 2006, 580, 545-552.	2.8	39
70	Facilitation of spike-wave discharge activity by lipopolysaccharides in Wistar Albino Glaxo/Rijswijk rats. Neuroscience, 2006, 140, 731-742.	2.3	63
71	Sex Differences in Oestrogen-Induced p44/42 MAPK Phosphorylation in the Mouse Brain In Vivo. Journal of Neuroendocrinology, 2006, 18, 621-628.	2.6	23
72	Concentration of Nucleosides and Related Compounds in Cerebral and Cerebellar Cortical Areas and White Matter of the Human Brain. Cellular and Molecular Neurobiology, 2006, 26, 831-842.	3.3	16

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73	Extracellular Level of GABA and Glu: In Vivo Microdialysis-HPLC Measurements. Current Topics in Medicinal Chemistry, 2006, 6, 935-940.	2.1	71
74	Estrogen Induces Estrogen Receptor Î±-Dependent cAMP Response Element-Binding Protein Phosphorylation via Mitogen Activated Protein Kinase Pathway in Basal Forebrain Cholinergic NeuronsIn Vivo. Journal of Neuroscience, 2006, 26, 4104-4110.	3.6	113
75	Post mortem degradation of nucleosides in the brain: Comparison of human and rat brains for estimation of in vivo concentration of nucleosides. Journal of Neuroscience Methods, 2005, 148, 88-93.	2.5	19
76	Effects of Mitochondrial Toxins on the Brain Amino Acid Concentrations. Neurochemical Research, 2005, 30, 1421-1427.	3.3	8
77	Preconditioning-specific reduction of c-fos expression in hippocampal granule and pyramidal but not other forebrain neurons of ischemic brain: a quantitative immunohistochemical study. Neuroscience Letters, 2005, 381, 344-349.	2.1	8
78	The human Retinal Functional Unit. International Journal of Psychophysiology, 2005, 57, 187-194.	1.0	8
79	Uridine release during aminopyridine-induced epilepsy. Neurobiology of Disease, 2004, 16, 490-499.	4.4	43
80	Synchronized Oscillations at Î± and Î¸ Frequencies in the Lateral Geniculate Nucleus. Neuron, 2004, 42, 253-268.	8.1	268
81	GABAB receptor antagonist CGP-36742 enhances somatostatin release in the rat hippocampus in vivo and in vitro. European Journal of Pharmacology, 2003, 478, 111-119.	3.5	26
82	Neurotoxicity of lindane and picrotoxin: neurochemical and electrophysiological correlates in the rat hippocampus in vivo. Neurochemical Research, 2002, 27, 139-145.	3.3	11
83	The electroretinogram and visual evoked potential of freely moving rats. Brain Research Bulletin, 2001, 56, 7-14.	3.0	28
84	An in vivo eyecup preparation for the rat. Journal of Neuroscience Methods, 2001, 105, 167-174.	2.5	2
85	Comparative in Vitro Studies on Native and Recombinant Human Cationic Trypsins. Journal of Biological Chemistry, 2001, 276, 24574-24580.	3.4	83
86	Sleep modifies retinal ganglion cell responses in the normal rat. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 2083-2088.	7.1	19
87	Modulation by GABAB and delta opioid receptors of neurally induced responses in isolated guinea-pig taenia coli and human colonic circular muscle. Journal of Physiology (Paris), 2000, 94, 135-138.	2.1	8
88	Temporal distribution of the ganglion cell volleys in the normal rat optic nerve. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 13454-13459.	7.1	11
89	Sustained depolarisation induces changes in the extracellular concentrations of purine and pyrimidine nucleosides in the rat thalamus. Neurochemistry International, 2000, 37, 71-79.	3.8	43
90	Effect of CGP 36742 on the extracellular level of neurotransmitter amino acids in the thalamus. Neurochemistry International, 1999, 34, 391-398.	3.8	15

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91	Uridine is released by depolarization and inhibits unit activity in the rat hippocampus. NeuroReport, 1999, 10, 3049-3053.	1.2	20
92	Uridine activates fast transmembrane Ca2+ ion fluxes in rat brain homogenates. NeuroReport, 1999, 10, 1577-1582.	1.2	30
93	Analysis of purine and pyrimidine bases, nucleosides and deoxynucleosides in brain microsamples (microdialysates and micropunches) and cerebrospinal fluid. Neurochemistry International, 1998, 32, 247-256.	3.8	50
94	Reduction of the extracellular level of glutamate in the median raphe nucleus associated with hippocampal theta activity in the anaesthetized rat. Neuroscience, 1998, 84, 49-57.	2.3	21
95	Corticosterone Peak is Responsible for Stress-Induced Elevation of Glutamate in the Hippocampus. Stress, 1998, 2, 171-181.	1.8	48
96	Spectral components of cytosolic [Ca2+] spiking in neurons. NeuroReport, 1998, 9, 721-724.	1.2	4
97	Bimoclomol improves early electrophysiological signs of retinopathy in diabetic rats. NeuroReport, 1998, 9, 2029-2033.	1.2	42
98	Glucocorticoids alter recovery processes in the rat retina. NeuroReport, 1998, 9, 1465-1468.	1.2	9
99	Slow wave sleep is accompanied by release of certain amino acids in the thalamus of cats. NeuroReport, 1997, 8, 1183-1186.	1.2	27
100	Differential effects of nipecotic acid and 4,5,6,7-tetrahydroisoxazolo[4,5-c]pyridin-3-ol on extracellular Î³-aminobutyrate levels in rat thalamus. European Journal of Pharmacology, 1997, 331, 139-144.	3.5	26
101	The contribution of glial cells to spontaneous and evoked potentials. International Journal of Psychophysiology, 1997, 26, 229-236.	1.0	8
102	In vivo blockade of thalamic GABAB receptors increases excitatory amino-acid levels. European Journal of Pharmacology, 1996, 318, 295-300.	3.5	19
103	Effect of intrahippocampal dexamethasone on the levels of amino acid transmitters and neuronal excitability. Brain Research, 1996, 733, 56-63.	2.2	46
104	Effect of intrahippocampal dexamethasone on the levels of amino acid transmitters and neuronal excitability. Brain Research, 1996, 733, 56-63.	2.2	2
105	Blockade of thalamic GABAB receptors decreases EEG synchronization. Neuroscience Letters, 1994, 172, 155-158.	2.1	41
106	Natural sleep modifies the rat electroretinogram.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 5153-5157.	7.1	22
107	Paradoxical sleep deprivatory effect of a single low dose of MPTP which did not produce dopaminergic cell loss. Experimental Brain Research, 1993, 95, 473-6.	1.5	8
108	Local depletion of monoamines induced with in vivo voltammetry in the cat brain. Neuroscience, 1991, 41, 287-293.	2.3	6

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109	Sleep promoting effect of a putative glial Î³-aminobutyric acid uptake blocker applied in the thalamus of cats. European Journal of Pharmacology, 1991, 209, 131-133.	3.5	14
110	Sleep-promoting action of excitatory amino acid antagonists: A different role for thalamic NMDA and non-NMDA receptors. Neuroscience Letters, 1990, 114, 333-338.	2.1	36
111	A novel effect of MPTP: the selective suppression of paradoxical sleep in cats. Brain Research, 1990, 525, 310-314.	2.2	34
112	Electrochemical calibration of in vivo brain dialysis samplers. Journal of Neuroscience Methods, 1989, 29, 131-137.	2.5	29
113	Local perfusion of the thalamus with GABA increases sleep and induces long-lasting inhibition of somatosensory event-related potentials in cats. Neuroscience Letters, 1989, 103, 229-233.	2.1	23
114	Neuronal firing in the pallidal region: firing patterns during sleep-wakefulness cycle in cats. Electroencephalography and Clinical Neurophysiology, 1987, 67, 159-166.	0.3	44
115	In vivo measurements with a potassium ion-selective microelectrode based on a new bis(crown ether). Analytica Chimica Acta, 1985, 178, 231-237.	5.4	22
116	Effects of hypnogenic vagal stimulation on thalamic neuronal activity in cats. Brain Research Bulletin, 1985, 15, 437-441.	3.0	19
117	Firing properties of cat basal forebrain neurones during sleep-wakefulness cycle. Electroencephalography and Clinical Neurophysiology, 1984, 58, 362-368.	0.3	66
118	Sleep induced by intestinal stimulation in cats. Physiology and Behavior, 1977, 19, 355-358.	2.1	35
119	Electroencephalographic synchronization induced by stimulation of small intestine and splanchnic nerve in cats. Electroencephalography and Clinical Neurophysiology, 1976, 41, 491-500.	0.3	25