

Cristina A Ghiani

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90
papers

4,645
citations

36
h-index

67
g-index

95
ext. papers

5,133
ext. citations

7
avg. IF

5.61
L-index

#	Paper	IF	Citations
90	Vasoactive intestinal polypeptide mediates circadian rhythmicity and synchrony in mammalian clock neurons. <i>Nature Neuroscience</i> , 2005 , 8, 476-83	25.5	587
89	Linking neural activity and molecular oscillations in the SCN. <i>Nature Reviews Neuroscience</i> , 2011 , 12, 553-595	6.9	309
88	Age-related decline in circadian output. <i>Journal of Neuroscience</i> , 2011 , 31, 10201-5	6.6	248
87	Circadian modulation of learning and memory in fear-conditioned mice. <i>Behavioural Brain Research</i> , 2002 , 133, 95-108	3.4	206
86	Glutamate receptors in glia: new cells, new inputs and new functions. <i>Trends in Pharmacological Sciences</i> , 2000 , 21, 252-8	13.2	197
85	Expression of the circadian clock gene Period2 in the hippocampus: possible implications for synaptic plasticity and learned behaviour. <i>ASN Neuro</i> , 2009 , 1,	5.3	150
84	Regulation of Kv1 subunit expression in oligodendrocyte progenitor cells and their role in G1/S phase progression of the cell cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 2350-5	11.5	146
83	How to fix a broken clock. <i>Trends in Pharmacological Sciences</i> , 2013 , 34, 605-19	13.2	143
82	Glial heterogeneity in expression of the inwardly rectifying K(+) channel, Kir4.1, in adult rat CNS. <i>Glia</i> , 2000 , 30, 362-72	9	142
81	K+ channel expression and cell proliferation are regulated by intracellular sodium and membrane depolarization in oligodendrocyte progenitor cells. <i>Journal of Neuroscience</i> , 1997 , 17, 2669-82	6.6	140
80	Voltage-activated K+ channels and membrane depolarization regulate accumulation of the cyclin-dependent kinase inhibitors p27(Kip1) and p21(CIP1) in glial progenitor cells. <i>Journal of Neuroscience</i> , 1999 , 19, 5380-92	6.6	128
79	Dysfunctions in circadian behavior and physiology in mouse models of Huntington's disease. <i>Experimental Neurology</i> , 2011 , 228, 80-90	5.7	122
78	The dysbindin-containing complex (BLOC-1) in brain: developmental regulation, interaction with SNARE proteins and role in neurite outgrowth. <i>Molecular Psychiatry</i> , 2010 , 15, 115, 204-15	15.1	109
77	Fast delayed rectifier potassium current is required for circadian neural activity. <i>Nature Neuroscience</i> , 2005 , 8, 650-6	25.5	109
76	Gonadal- and sex-chromosome-dependent sex differences in the circadian system. <i>Endocrinology</i> , 2013 , 154, 1501-12	4.8	79
75	Rapid changes in the light/dark cycle disrupt memory of conditioned fear in mice. <i>PLoS ONE</i> , 2010 , 5, e12546	3.7	70
74	Regulation of inhibitory synaptic transmission by vasoactive intestinal peptide (VIP) in the mouse suprachiasmatic nucleus. <i>Journal of Neurophysiology</i> , 2003 , 90, 1589-97	3.2	69

73	Golli protein negatively regulates store depletion-induced calcium influx in T cells. <i>Immunity</i> , 2006 , 24, 717-727	32.3	66
72	STAT3-mediated astrogliosis protects myelin development in neonatal brain injury. <i>Annals of Neurology</i> , 2012 , 72, 750-65	9.4	63
71	The Q175 mouse model of Huntington's disease shows gene dosage- and age-related decline in circadian rhythms of activity and sleep. <i>PLoS ONE</i> , 2013 , 8, e69993	3.7	62
70	Age-Related Changes in the Circadian System Unmasked by Constant Conditions. <i>ENeuro</i> , 2015 , 2,	3.9	61
69	Circadian regulation of a-type potassium currents in the suprachiasmatic nucleus. <i>Journal of Neurophysiology</i> , 2010 , 103, 632-40	3.2	61
68	Inhibition of cyclin E-cyclin-dependent kinase 2 complex formation and activity is associated with cell cycle arrest and withdrawal in oligodendrocyte progenitor cells. <i>Journal of Neuroscience</i> , 2001 , 21, 1274-82	6.6	58
67	Population encoding by circadian clock neurons organizes circadian behavior. <i>Journal of Neuroscience</i> , 2009 , 29, 1670-6	6.6	52
66	Neurotransmitter receptor activation triggers p27(Kip1)and p21(CIP1) accumulation and G1 cell cycle arrest in oligodendrocyte progenitors. <i>Development (Cambridge)</i> , 1999 , 126, 1077-90	6.6	52
65	Dysbindin-containing complexes and their proposed functions in brain: from zero to (too) many in a decade. <i>ASN Neuro</i> , 2011 , 3,	5.3	50
64	Voluntary exercise increases oligodendrogenesis in spinal cord. <i>International Journal of Neuroscience</i> , 2010 , 120, 280-90	2	48
63	Exercise decreases myelin-associated glycoprotein expression in the spinal cord and positively modulates neuronal growth. <i>Glia</i> , 2007 , 55, 966-75	9	48
62	Fast delayed rectifier potassium current: critical for input and output of the circadian system. <i>Journal of Neuroscience</i> , 2011 , 31, 2746-55	6.6	44
61	Region-specific myelin pathology in mice lacking the golli products of the myelin basic protein gene. <i>Journal of Neuroscience</i> , 2005 , 25, 7004-13	6.6	43
60	Time-Restricted Feeding Improves Circadian Dysfunction as well as Motor Symptoms in the Q175 Mouse Model of Huntington's Disease. <i>ENeuro</i> , 2018 , 5,	3.9	42
59	Inhibition of p53 transcriptional activity: a potential target for future development of therapeutic strategies for primary demyelination. <i>Journal of Neuroscience</i> , 2008 , 28, 6118-27	6.6	41
58	Early effects of lipopolysaccharide-induced inflammation on foetal brain development in rat. <i>ASN Neuro</i> , 2011 , 3,	5.3	39
57	Vasoactive intestinal peptide produces long-lasting changes in neural activity in the suprachiasmatic nucleus. <i>Journal of Neurophysiology</i> , 2013 , 110, 1097-106	3.2	38
56	Effects of vasoactive intestinal peptide genotype on circadian gene expression in the suprachiasmatic nucleus and peripheral organs. <i>Journal of Biological Rhythms</i> , 2011 , 26, 200-9	3.2	38

55	NMDA receptor function is enhanced in the hippocampus of aged rats. <i>Neurochemical Research</i> , 1994 , 19, 483-7	4.6	38
54	Membrane Currents, Gene Expression, and Circadian Clocks. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017 , 9,	10.2	36
53	Regulation of L-type Ca ⁺⁺ currents and process morphology in white matter oligodendrocyte precursor cells by golli-myelin proteins. <i>Glia</i> , 2010 , 58, 1292-303	9	33
52	Misaligned feeding impairs memories. <i>ELife</i> , 2015 , 4,	8.9	32
51	Decreased reelin expression and organophosphate pesticide exposure alters mouse behaviour and brain morphology. <i>ASN Neuro</i> , 2012 , 5, e00106	5.3	30
50	Growth factor-dependent actions of PACAP on oligodendrocyte progenitor proliferation. <i>Regulatory Peptides</i> , 2006 , 137, 58-66		30
49	Circadian rhythm disruption in a mouse model of Rett syndrome circadian disruption in RTT. <i>Neurobiology of Disease</i> , 2015 , 77, 155-64	7.5	26
48	Aspartoacylase deficiency affects early postnatal development of oligodendrocytes and myelination. <i>Neurobiology of Disease</i> , 2010 , 40, 432-43	7.5	26
47	Synthesis and benzodiazepine receptor binding of some imidazo-, pyrimido[2,1-b]benzoxazoles and pyrimido[1,2-a]benzimidazoles. <i>European Journal of Medicinal Chemistry</i> , 1997 , 32, 83-89	6.8	26
46	Baroreceptor reflex dysfunction in the BACHD mouse model of Huntington's disease. <i>PLOS Currents</i> , 2011 , 3, RRN1266		26
45	Cardiac Dysfunction in the BACHD Mouse Model of Huntington's Disease. <i>PLoS ONE</i> , 2016 , 11, e0147269	3.7	25
44	Sex Differences in Circadian Dysfunction in the BACHD Mouse Model of Huntington's Disease. <i>PLoS ONE</i> , 2016 , 11, e0147583	3.7	24
43	Golli myelin basic proteins stimulate oligodendrocyte progenitor cell proliferation and differentiation in remyelinating adult mouse brain. <i>Glia</i> , 2012 , 60, 1078-93	9	23
42	Long-term treatment with abecarnil fails to induce tolerance in mice. <i>European Journal of Pharmacology</i> , 1994 , 259, 1-6	5.3	23
41	Pharmacology of gamma-aminobutyric acidA receptor complex after the in vivo administration of the anxiolytic and anticonvulsant beta-carboline derivative abecarnil. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1992 , 263, 1360-8	4.7	23
40	Neurite outgrowth defects in hippocampal neurons from mice lacking biogenesis of lysosome-related organelles complex-1 (BLOC-1). <i>Molecular Psychiatry</i> , 2010 , 15, 115-115	15.1	22
39	Antagonism by abecarnil of enhanced acetylcholine release in the rat brain during anticipation but not consumption of food. <i>Pharmacology Biochemistry and Behavior</i> , 1998 , 59, 657-62	3.9	22
38	Chronic administration of an anticonvulsant dose of imidazenil fails to induce tolerance of GABA _A receptor function in mice. <i>European Journal of Pharmacology</i> , 1994 , 254, 299-302	5.3	22

37	Imidazenil, a new partial agonist of benzodiazepine receptors, reverses the inhibitory action of isoniazid and stress on gamma-aminobutyric acidA receptor function. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1994 , 269, 32-8	4.7	21
36	Blue light therapy improves circadian dysfunction as well as motor symptoms in two mouse models of Huntington's disease. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2017 , 2, 39-52	2.9	19
35	Circadian-based Treatment Strategy Effective in the BACHD Mouse Model of Huntington's Disease. <i>Journal of Biological Rhythms</i> , 2018 , 33, 535-554	3.2	18
34	Reductions in synaptic proteins and selective alteration of prepulse inhibition in male C57BL/6 mice after postnatal administration of a VIP receptor (VIPR2) agonist. <i>Psychopharmacology</i> , 2015 , 232, 2181-94	4.7	17
33	Histamine resets the circadian clock in the suprachiasmatic nucleus through the H1R-CaV 1.3-RyR pathway in the mouse. <i>European Journal of Neuroscience</i> , 2015 , 42, 2467-77	3.5	17
32	Synthesis and anticonvulsant activity of some 1,2,3,3a-tetrahydropyrrolo[2,1-b]-benzothiazol-, -thiazol- or -oxazol-1-ones in rodents. <i>Journal of Pharmacy and Pharmacology</i> , 1996 , 48, 834-40	4.8	17
31	Neurocardiovascular deficits in the Q175 mouse model of Huntington's disease. <i>Physiological Reports</i> , 2017 , 5, e13289	2.6	17
30	Genetic program of neuronal differentiation and growth induced by specific activation of NMDA receptors. <i>Neurochemical Research</i> , 2007 , 32, 363-76	4.6	16
29	Possible use of a H3R antagonist for the management of nonmotor symptoms in the Q175 mouse model of Huntington's disease. <i>Pharmacology Research and Perspectives</i> , 2017 , 5, e00344	3.1	15
28	Biochemical evaluations of the effects of loreclezole and propofol on the GABAA receptor in rat brain. <i>Biochemical Pharmacology</i> , 1996 , 51, 1527-34	6	15
27	Sleep and circadian dysfunction in neurodegenerative disorders: insights from a mouse model of Huntington's disease. <i>Minerva Pneumologica</i> , 2012 , 51, 93-106	0.8	14
26	Failure of flumazenil to precipitate a withdrawal syndrome in cats chronically treated with the new anxiolytic p-carboline derivative abecarnil. <i>Behavioural Pharmacology</i> , 1993 , 4, 529-534	2.4	12
25	Pathophysiology in the suprachiasmatic nucleus in mouse models of Huntington's disease. <i>Journal of Neuroscience Research</i> , 2018 , 96, 1862-1875	4.4	12
24	Potential Circadian Rhythms in Oligodendrocytes? Working Together Through Time. <i>Neurochemical Research</i> , 2020 , 45, 591-605	4.6	10
23	Project brainstorm: using neuroscience to connect college students with local schools. <i>PLoS Biology</i> , 2012 , 10, e1001310	9.7	9
22	Gene expression is differentially regulated by neurotransmitters in embryonic neuronal cortical culture. <i>Journal of Neurochemistry</i> , 2006 , 97 Suppl 1, 35-43	6	9
21	Cellular and molecular mechanisms of neurodevelopmental disorders. <i>Journal of Neuroscience Research</i> , 2017 , 95, 1093-1096	4.4	7
20	Sleep/Wake Disruption in a Mouse Model of BLOC-1 Deficiency. <i>Frontiers in Neuroscience</i> , 2018 , 12, 759	5.1	6

19	Defining circadian disruption in neurodegenerative disorders. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	6
18	Circadian dysfunction in the Q175 model of Huntington's disease: Network analysis. <i>Journal of Neuroscience Research</i> , 2019 , 97, 1606-1623	4.4	5
17	Antagonism of convulsions but failure to enhance GABA(A) receptor function by felbamate in mice tolerant to diazepam. <i>Neurochemical Research</i> , 1997 , 22, 693-7	4.6	5
16	Quantitative assessments reveal improved neuroscience engagement and learning through outreach. <i>Journal of Neuroscience Research</i> , 2019 , 97, 1153-1162	4.4	4
15	BLOC-1 deficiency causes alterations in amino acid profile and in phospholipid and adenosine metabolism in the postnatal mouse hippocampus. <i>Scientific Reports</i> , 2017 , 7, 5231	4.9	4
14	Antagonism of isoniazid-induced convulsions by abecarnil in mice tolerant to diazepam. <i>Pharmacology Biochemistry and Behavior</i> , 1995 , 52, 249-54	3.9	4
13	Failure of chronic treatment with abecarnil to induce contingent and noncontingent tolerance in pentylenetetrazol-kindled rats. <i>Epilepsia</i> , 1996 , 37, 332-5	6.4	4
12	Do Disruptions in the Circadian Timing System Contribute to Autonomic Dysfunction in Huntington's Disease?. <i>Yale Journal of Biology and Medicine</i> , 2019 , 92, 291-303	2.4	3
11	Pharmacological evidence for full agonist activity of abecarnil at certain GABAA receptors. <i>Psychopharmacology Series</i> , 1993 , 11, 62-78		3
10	Melatonin treatment of repetitive behavioral deficits in the Cntnap2 mouse model of autism spectrum disorder. <i>Neurobiology of Disease</i> , 2020 , 145, 105064	7.5	3
9	Preparation of Normal and Reactive Astrocyte Cultures. <i>Springer Protocols</i> , 2009 , 193-215	0.3	2
8	Reply: glia and neurons continue to talk. <i>Trends in Pharmacological Sciences</i> , 2000 , 21, 375	13.2	1
7	Felbamate antagonizes isoniazid- and FG 7142-induced reduction of GABAA receptor function in mouse brain. <i>European Journal of Pharmacology</i> , 1994 , 265, 185-8	5.3	1
6	The degeneration of the excitatory climbing fibers enhances [3H]MK-801 and [3H]CGP 39653 binding sites in the rat cerebellar cortex. <i>Neuroscience Letters</i> , 1992 , 146, 45-7	3.3	1
5	Circadian and ultradian rhythms in normal mice and in a mouse model of Huntington's disease.. <i>Chronobiology International</i> , 2022 , 1-12	3.6	1
4	Targeted Genetic Reduction of Mutant Huntingtin Lessens Cardiac Pathology in the BACHD Mouse Model of Huntington's Disease.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 810810	5.4	0
3	Isoniazid-induced inhibition of GABAergic transmission enhances the efficacy of imidazenil, a new partial agonist of benzodiazepine receptors. <i>European Neuropsychopharmacology</i> , 1993 , 3, 268-269	1.2	
2	Sex-dimorphic effects of biogenesis of lysosome-related organelles complex-1 deficiency on mouse perinatal brain development. <i>Journal of Neuroscience Research</i> , 2021 , 99, 67-89	4.4	

1 Temporal Coding of Sleep. *Cell*, **2018**, 175, 1177-1179

56.2