

Muriel Koehl

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

5,409
citations

32
h-index

58
g-index

58
ext. papers

5,869
ext. citations

7.3
avg, IF

5.29
L-index

#	Paper	IF	Citations
53	Prenatal stress produces learning deficits associated with an inhibition of neurogenesis in the hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 11032-7	11.5	828
52	Adult neurogenesis: from precursors to network and physiology. <i>Physiological Reviews</i> , 2005 , 85, 523-69	47.9	803
51	Spatial relational memory requires hippocampal adult neurogenesis. <i>PLoS ONE</i> , 2008 , 3, e1959	3.7	440
50	Adult hippocampal neurogenesis is involved in anxiety-related behaviors. <i>Molecular Psychiatry</i> , 2009 , 14, 959-67	15.1	377
49	Acute cannabinoids impair working memory through astroglial CB1 receptor modulation of hippocampal LTD. <i>Cell</i> , 2012 , 148, 1039-50	56.2	307
48	Neurosteroids: deficient cognitive performance in aged rats depends on low pregnenolone sulfate levels in the hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 14865-70	11.5	270
47	Prenatal stress alters circadian activity of hypothalamo-pituitary-adrenal axis and hippocampal corticosteroid receptors in adult rats of both gender 1999 , 40, 302-315		220
46	Behavioral characterization of mice lacking histamine H(3) receptors. <i>Molecular Pharmacology</i> , 2002 , 62, 389-97	4.3	192
45	Adult-born neurons are necessary for extended contextual discrimination. <i>Hippocampus</i> , 2012 , 22, 292-83.5		183
44	Prenatal stress in rats predicts immobility behavior in the forced swim test. Effects of a chronic treatment with tianeptine. <i>Brain Research</i> , 2003 , 989, 246-51	3.7	160
43	Sleep restriction alters the hypothalamic-pituitary-adrenal response to stress. <i>Journal of Neuroendocrinology</i> , 2002 , 14, 397-402	3.8	154
42	A new chapter in the field of memory: adult hippocampal neurogenesis. <i>European Journal of Neuroscience</i> , 2011 , 33, 1101-14	3.5	122
41	Prenatal stress enhances stress- and corticotropin-releasing factor-induced stimulation of hippocampal acetylcholine release in adult rats. <i>Journal of Neuroscience</i> , 1998 , 18, 1886-92	6.6	98
40	Prenatal stress induces a phase advance of circadian corticosterone rhythm in adult rats which is prevented by postnatal stress. <i>Brain Research</i> , 1997 , 759, 317-20	3.7	82
39	Exercise-induced promotion of hippocampal cell proliferation requires beta-endorphin. <i>FASEB Journal</i> , 2008 , 22, 2253-62	0.9	76
38	CB1 receptor deficiency decreases wheel-running activity: consequences on emotional behaviours and hippocampal neurogenesis. <i>Experimental Neurology</i> , 2010 , 224, 106-13	5.7	74
37	Conditional reduction of adult neurogenesis impairs bidirectional hippocampal synaptic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 6644-9	11.5	72

36	Sex differences in sleep: the response to sleep deprivation and restraint stress in mice. <i>Sleep</i> , 2006 , 29, 1224-31	1.1	65
35	Pregnenolone sulfate increases hippocampal acetylcholine release and spatial recognition. <i>Brain Research</i> , 2000 , 852, 173-9	3.7	63
34	Sleep in female mice: a strain comparison across the estrous cycle. <i>Sleep</i> , 2003 , 26, 267-72	1.1	55
33	Nicotine-induced locomotor activity is increased by preexposure of rats to prenatal stress. <i>Brain Research</i> , 2000 , 882, 196-200	3.7	52
32	The planar polarity protein Scribble1 is essential for neuronal plasticity and brain function. <i>Journal of Neuroscience</i> , 2010 , 30, 9738-52	6.6	49
31	Measurement of hypocretin/orexin content in the mouse brain using an enzyme immunoassay: the effect of circadian time, age and genetic background. <i>Peptides</i> , 2002 , 23, 2203-11	3.8	46
30	Prenatal stress inhibits hippocampal neurogenesis but spares olfactory bulb neurogenesis. <i>PLoS ONE</i> , 2013 , 8, e72972	3.7	43
29	Impact of intra- and interstrain cross-fostering on mouse maternal care. <i>Genes, Brain and Behavior</i> , 2008 , 7, 184-92	3.6	41
28	The neurosteroid pregnenolone sulfate increases cortical acetylcholine release: a microdialysis study in freely moving rats. <i>Journal of Neurochemistry</i> , 1998 , 71, 2018-22	6	40
27	Early and later adoptions differently modify mother-pup interactions. <i>Behavioral Neuroscience</i> , 2004 , 118, 590-6	2.1	38
26	Long term neurodevelopmental and behavioral effects of perinatal life events in rats. <i>Neurotoxicity Research</i> , 2001 , 3, 65-83	4.3	38
25	A critical time window for the recruitment of bulbar newborn neurons by olfactory discrimination learning. <i>Journal of Neuroscience</i> , 2011 , 31, 1010-6	6.6	37
24	Individual vulnerability to substance abuse and affective disorders: role of early environmental influences. <i>Neurotoxicity Research</i> , 2002 , 4, 281-96	4.3	36
23	Maternal environment influences cocaine intake in adulthood in a genotype-dependent manner. <i>PLoS ONE</i> , 2008 , 3, e2245	3.7	36
22	The effect of restraint stress on paradoxical sleep is influenced by the circadian cycle. <i>Brain Research</i> , 2002 , 937, 45-50	3.7	33
21	Age-dependent effect of prenatal stress on hippocampal cell proliferation in female rats. <i>European Journal of Neuroscience</i> , 2009 , 29, 635-40	3.5	31
20	Corticotropin-releasing factor administered centrally, but not peripherally, stimulates hippocampal acetylcholine release. <i>Journal of Neurochemistry</i> , 1998 , 71, 622-9	6	30
19	LAMP5 Fine-Tunes GABAergic Synaptic Transmission in Defined Circuits of the Mouse Brain. <i>PLoS ONE</i> , 2016 , 11, e0157052	3.7	23

18	Environmentally induced long-term structural changes: cues for functional orientation and vulnerabilities. <i>Neurotoxicity Research</i> , 2004 , 6, 571-80	4.3	22
17	Effects of gamma-hydroxybutyrate (GHB) on vigilance states and EEG in mice. <i>Sleep</i> , 2004 , 27, 899-904	1.1	22
16	Depleting adult dentate gyrus neurogenesis increases cocaine-seeking behavior. <i>Molecular Psychiatry</i> , 2019 , 24, 312-320	15.1	22
15	Plasticity in the olfactory bulb of the maternal mouse is prevented by gestational stress. <i>Scientific Reports</i> , 2016 , 6, 37615	4.9	20
14	Interplay of maternal care and genetic influences in programming adult hippocampal neurogenesis. <i>Biological Psychiatry</i> , 2012 , 72, 282-9	7.9	20
13	Running per se stimulates the dendritic arbor of newborn dentate granule cells in mouse hippocampus in a duration-dependent manner. <i>Hippocampus</i> , 2016 , 26, 282-8	3.5	18
12	Gene-environment interaction in programming hippocampal plasticity: focus on adult neurogenesis. <i>Frontiers in Molecular Neuroscience</i> , 2015 , 8, 41	6.1	15
11	Effects of spaced learning in the water maze on development of dentate granule cells generated in adult mice. <i>Hippocampus</i> , 2015 , 25, 1314-26	3.5	14
10	Transcriptional Dysregulation in Postnatal Glutamatergic Progenitors Contributes to Closure of the Cortical Neurogenic Period. <i>Cell Reports</i> , 2018 , 22, 2567-2574	10.6	10
9	Juvenile mild traumatic brain injury elicits distinct spatiotemporal astrocyte responses. <i>Glia</i> , 2020 , 68, 528-542	9	10
8	A Baldwin interpretation of adult hippocampal neurogenesis: from functional relevance to physiopathology. <i>Molecular Psychiatry</i> , 2021 ,	15.1	9
7	Stress Disorders 2011 , 53-97		3
6	The atypical Rho GTPase Rnd2 is critical for dentate granule neuron development and anxiety-like behavior during adult but not neonatal neurogenesis. <i>Molecular Psychiatry</i> , 2021 ,	15.1	2
5	The atypical Rho GTPase Rnd2 is critical for dentate granule neuron development and anxiety-like behavior during adult but not neonatal neurogenesis		2
4	Inhibition of mTOR signaling by genetic removal of p70 S6 kinase 1 increases anxiety-like behavior in mice. <i>Translational Psychiatry</i> , 2021 , 11, 165	8.6	2
3	Cord Serum Cytokines at Birth and Children's Anxiety-Depression Trajectories From 3 to 8 Years: The EDEN Mother-Child Cohort. <i>Biological Psychiatry</i> , 2021 , 89, 541-549	7.9	2
2	Sox11 is an Activity-Regulated Gene with Dentate-Gyrus-Specific Expression Upon General Neural Activation. <i>Cerebral Cortex</i> , 2020 , 30, 3731-3743	5.1	1
1	Vangl2, a Core Component of the WNT/PCP Pathway, Regulates Adult Hippocampal Neurogenesis and Age-Related Decline in Cognitive Flexibility.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 844255	5.3	

