

# Muriel Koehl

## List of Publications by Year in Descending Order

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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	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> , <b>2022</b> , 14, 844255	5.3	
52	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> , <b>2021</b> ,	15.1	2
51	Inhibition of mTOR signaling by genetic removal of p70 S6 kinase 1 increases anxiety-like behavior in mice. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 165	8.6	2
50	A Baldwin interpretation of adult hippocampal neurogenesis: from functional relevance to physiopathology. <i>Molecular Psychiatry</i> , <b>2021</b> ,	15.1	9
49	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> , <b>2021</b> , 89, 541-549	7.9	2
48	Sox11 is an Activity-Regulated Gene with Dentate-Gyrus-Specific Expression Upon General Neural Activation. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 3731-3743	5.1	1
47	Juvenile mild traumatic brain injury elicits distinct spatiotemporal astrocyte responses. <i>Glia</i> , <b>2020</b> , 68, 528-542	9	10
46	Depleting adult dentate gyrus neurogenesis increases cocaine-seeking behavior. <i>Molecular Psychiatry</i> , <b>2019</b> , 24, 312-320	15.1	22
45	Transcriptional Dysregulation in Postnatal Glutamatergic Progenitors Contributes to Closure of the Cortical Neurogenic Period. <i>Cell Reports</i> , <b>2018</b> , 22, 2567-2574	10.6	10
44	Plasticity in the olfactory bulb of the maternal mouse is prevented by gestational stress. <i>Scientific Reports</i> , <b>2016</b> , 6, 37615	4.9	20
43	Running per se stimulates the dendritic arbor of newborn dentate granule cells in mouse hippocampus in a duration-dependent manner. <i>Hippocampus</i> , <b>2016</b> , 26, 282-8	3.5	18
42	LAMP5 Fine-Tunes GABAergic Synaptic Transmission in Defined Circuits of the Mouse Brain. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157052	3.7	23
41	Gene-environment interaction in programming hippocampal plasticity: focus on adult neurogenesis. <i>Frontiers in Molecular Neuroscience</i> , <b>2015</b> , 8, 41	6.1	15
40	Effects of spaced learning in the water maze on development of dentate granule cells generated in adult mice. <i>Hippocampus</i> , <b>2015</b> , 25, 1314-26	3.5	14
39	Prenatal stress inhibits hippocampal neurogenesis but spares olfactory bulb neurogenesis. <i>PLoS ONE</i> , <b>2013</b> , 8, e72972	3.7	43
38	Adult-born neurons are necessary for extended contextual discrimination. <i>Hippocampus</i> , <b>2012</b> , 22, 292-83.5	8.5	183
37	Acute cannabinoids impair working memory through astroglial CB1 receptor modulation of hippocampal LTD. <i>Cell</i> , <b>2012</b> , 148, 1039-50	56.2	307

36	Interplay of maternal care and genetic influences in programming adult hippocampal neurogenesis. <i>Biological Psychiatry</i> , <b>2012</b> , 72, 282-9	7.9	20
35	A critical time window for the recruitment of bulbar newborn neurons by olfactory discrimination learning. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 1010-6	6.6	37
34	A new chapter in the field of memory: adult hippocampal neurogenesis. <i>European Journal of Neuroscience</i> , <b>2011</b> , 33, 1101-14	3.5	122
33	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> , <b>2011</b> , 108, 6644-9	11.5	72
32	Stress Disorders <b>2011</b> , 53-97		3
31	The planar polarity protein Scribble1 is essential for neuronal plasticity and brain function. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 9738-52	6.6	49
30	CB1 receptor deficiency decreases wheel-running activity: consequences on emotional behaviours and hippocampal neurogenesis. <i>Experimental Neurology</i> , <b>2010</b> , 224, 106-13	5.7	74
29	Adult hippocampal neurogenesis is involved in anxiety-related behaviors. <i>Molecular Psychiatry</i> , <b>2009</b> , 14, 959-67	15.1	377
28	Age-dependent effect of prenatal stress on hippocampal cell proliferation in female rats. <i>European Journal of Neuroscience</i> , <b>2009</b> , 29, 635-40	3.5	31
27	Spatial relational memory requires hippocampal adult neurogenesis. <i>PLoS ONE</i> , <b>2008</b> , 3, e1959	3.7	440
26	Exercise-induced promotion of hippocampal cell proliferation requires beta-endorphin. <i>FASEB Journal</i> , <b>2008</b> , 22, 2253-62	0.9	76
25	Impact of intra- and interstrain cross-fostering on mouse maternal care. <i>Genes, Brain and Behavior</i> , <b>2008</b> , 7, 184-92	3.6	41
24	Maternal environment influences cocaine intake in adulthood in a genotype-dependent manner. <i>PLoS ONE</i> , <b>2008</b> , 3, e2245	3.7	36
23	Sex differences in sleep: the response to sleep deprivation and restraint stress in mice. <i>Sleep</i> , <b>2006</b> , 29, 1224-31	1.1	65
22	Adult neurogenesis: from precursors to network and physiology. <i>Physiological Reviews</i> , <b>2005</b> , 85, 523-69	47.9	803
21	Environmentally induced long-term structural changes: cues for functional orientation and vulnerabilities. <i>Neurotoxicity Research</i> , <b>2004</b> , 6, 571-80	4.3	22
20	Early and later adoptions differently modify mother-pup interactions. <i>Behavioral Neuroscience</i> , <b>2004</b> , 118, 590-6	2.1	38
19	Effects of gamma-hydroxybutyrate (GHB) on vigilance states and EEG in mice. <i>Sleep</i> , <b>2004</b> , 27, 899-904	1.1	22

18	Sleep in female mice: a strain comparison across the estrous cycle. <i>Sleep</i> , <b>2003</b> , 26, 267-72	1.1	55
17	Prenatal stress in rats predicts immobility behavior in the forced swim test. Effects of a chronic treatment with tianeptine. <i>Brain Research</i> , <b>2003</b> , 989, 246-51	3.7	160
16	The effect of restraint stress on paradoxical sleep is influenced by the circadian cycle. <i>Brain Research</i> , <b>2002</b> , 937, 45-50	3.7	33
15	Sleep restriction alters the hypothalamic-pituitary-adrenal response to stress. <i>Journal of Neuroendocrinology</i> , <b>2002</b> , 14, 397-402	3.8	154
14	Individual vulnerability to substance abuse and affective disorders: role of early environmental influences. <i>Neurotoxicity Research</i> , <b>2002</b> , 4, 281-96	4.3	36
13	Behavioral characterization of mice lacking histamine H(3) receptors. <i>Molecular Pharmacology</i> , <b>2002</b> , 62, 389-97	4.3	192
12	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> , <b>2002</b> , 23, 2203-11	3.8	46
11	Long term neurodevelopmental and behavioral effects of perinatal life events in rats. <i>Neurotoxicity Research</i> , <b>2001</b> , 3, 65-83	4.3	38
10	Nicotine-induced locomotor activity is increased by preexposure of rats to prenatal stress. <i>Brain Research</i> , <b>2000</b> , 882, 196-200	3.7	52
9	Pregnenolone sulfate increases hippocampal acetylcholine release and spatial recognition. <i>Brain Research</i> , <b>2000</b> , 852, 173-9	3.7	63
8	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> , <b>2000</b> , 97, 11032-7	11.5	828
7	Prenatal stress alters circadian activity of hypothalamo-pituitary-adrenal axis and hippocampal corticosteroid receptors in adult rats of both gender <b>1999</b> , 40, 302-315		220
6	Corticotropin-releasing factor administered centrally, but not peripherally, stimulates hippocampal acetylcholine release. <i>Journal of Neurochemistry</i> , <b>1998</b> , 71, 622-9	6	30
5	The neurosteroid pregnenolone sulfate increases cortical acetylcholine release: a microdialysis study in freely moving rats. <i>Journal of Neurochemistry</i> , <b>1998</b> , 71, 2018-22	6	40
4	Prenatal stress enhances stress- and corticotropin-releasing factor-induced stimulation of hippocampal acetylcholine release in adult rats. <i>Journal of Neuroscience</i> , <b>1998</b> , 18, 1886-92	6.6	98
3	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> , <b>1997</b> , 94, 14865-70	11.5	270
2	Prenatal stress induces a phase advance of circadian corticosterone rhythm in adult rats which is prevented by postnatal stress. <i>Brain Research</i> , <b>1997</b> , 759, 317-20	3.7	82
1	The atypical Rho GTPase Rnd2 is critical for dentate granule neuron development and anxiety-like behavior during adult but not neonatal neurogenesis		2

