Muriel Koehl

List of Publications by Year
in descending order

53 papers	6,266 citations	136950 32 h-index	175258 52 g-index
58 all docs	58 docs citations	58 times ranked	6764 citing authors

#	Article	IF	Citations
1	Prenatal stress produces learning deficits associated with an inhibition of neurogenesis in the hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11032-11037.	7.1	909
2	Adult Neurogenesis: From Precursors to Network and Physiology. Physiological Reviews, 2005, 85, 523-569.	28.8	882
3	Spatial Relational Memory Requires Hippocampal Adult Neurogenesis. PLoS ONE, 2008, 3, e1959.	2.5	505
4	Adult hippocampal neurogenesis is involved in anxiety-related behaviors. Molecular Psychiatry, 2009, 14, 959-967.	7.9	455
5	Acute Cannabinoids Impair Working Memory through Astroglial CB1 Receptor Modulation of Hippocampal LTD. Cell, 2012, 148, 1039-1050.	28.9	410
6	Neurosteroids: Deficient cognitive performance in aged rats depends on low pregnenolone sulfate levels in theâ€‰hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 14865-14870.	7.1	284
7	Prenatal stress alters circadian activity of hypothalamo-pituitary-adrenal axis and hippocampal corticosteroid receptors in adult rats of both gender. Journal of Neurobiology, 1999, 40, 302-315.	3.6	261
8	Adultâ€born neurons are necessary for extended contextual discrimination. Hippocampus, 2012, 22, 292-298.	1.9	225
9	Behavioral Characterization of Mice Lacking Histamine H3 Receptors. Molecular Pharmacology, 2002, 62, 389-397.	2.3	215
10	Sleep Restriction Alters the Hypothalamicâ€Pituitaryâ€Adrenal Response to Stress. Journal of Neuroendocrinology, 2002, 14, 397-402.	2.6	198
11	Prenatal stress in rats predicts immobility behavior in the forced swim test. Brain Research, 2003, 989, 246-251.	2.2	172
12	A new chapter in the field of memory: adult hippocampal neurogenesis. European Journal of Neuroscience, 2011, 33, 1101-1114.	2.6	149
13	Prenatal Stress Enhances Stress- and Corticotropin-Releasing Factor-Induced Stimulation of Hippocampal Acetylcholine Release in Adult Rats. Journal of Neuroscience, 1998, 18, 1886-1892.	3.6	109
14	CB1 receptor deficiency decreases wheel-running activity: Consequences on emotional behaviours and hippocampal neurogenesis. Experimental Neurology, 2010, 224, 106-113.	4.1	89
15	Prenatal stress induces a phase advance of circadian corticosterone rhythm in adult rats which is prevented by postnatal stress. Brain Research, 1997, 759, 317-320.	2.2	88
16	Exerciseâ€induced promotion of hippocampal cell proliferation requires Î²â€endorphin. FASEB Journal, 2008, 22, 2253-2262.	0.5	81
17	Conditional reduction of adult neurogenesis impairs bidirectional hippocampal synaptic plasticity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6644-6649.	7.1	80
18	Sex Differences in Sleep: the Response to Sleep Deprivation and Restraint Stress in Mice. Sleep, 2006, 29, 1224-1231.	1.1	79

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19	Sleep in Female Mice: A Strain Comparison Across the Estrous Cycle. Sleep, 2003, 26, 267-272.	1.1	69
20	Pregnenolone sulfate increases hippocampal acetylcholine release and spatial recognition. Brain Research, 2000, 852, 173-179.	2.2	67
21	The Planar Polarity Protein Scribble1 Is Essential for Neuronal Plasticity and Brain Function. Journal of Neuroscience, 2010, 30, 9738-9752.	3.6	62
22	Nicotine-induced locomotor activity is increased by preexposure of rats to prenatal stress. Brain Research, 2000, 882, 196-200.	2.2	54
23	Prenatal Stress Inhibits Hippocampal Neurogenesis but Spares Olfactory Bulb Neurogenesis. PLoS ONE, 2013, 8, e72972.	2.5	54
24	Measurement of hypocretin/orexin content in the mouse brain using an enzyme immunoassay: the effect of circadian time, age and genetic background. Peptides, 2002, 23, 2203-2211.	2.4	50
25	Long term neurodevelopmental and behavioral effects of perinatal life events in rats. Neurotoxicity Research, 2001, 3, 65-83.	2.7	46
26	Impact of intra- and interstrain cross-fostering on mouse maternal care. Genes, Brain and Behavior, 2008, 7, 184-192.	2.2	45
27	The Neurosteroid Pregnenolone Sulfate Increases Cortical Acetylcholine Release: A Microdialysis Study in Freely Moving Rats. Journal of Neurochemistry, 2002, 71, 2018-2022.	3.9	41
28	Maternal Environment Influences Cocaine Intake in Adulthood in a Genotype-Dependent Manner. PLoS ONE, 2008, 3, e2245.	2.5	41
29	Early and Later Adoptions Differently Modify Mother-Pup Interactions.. Behavioral Neuroscience, 2004, 118, 590-596.	1.2	40
30	The effect of restraint stress on paradoxical sleep is influenced by the circadian cycle. Brain Research, 2002, 937, 45-50.	2.2	39
31	Individual vulnerability to substance abuse and affective disorders: Role of early environmental influences. Neurotoxicity Research, 2002, 4, 281-296.	2.7	38
32	A Critical Time Window for the Recruitment of Bulbar Newborn Neurons by Olfactory Discrimination Learning. Journal of Neuroscience, 2011, 31, 1010-1016.	3.6	38
33	LAMP5 Fine-Tunes GABAergic Synaptic Transmission in Defined Circuits of the Mouse Brain. PLoS ONE, 2016, 11, e0157052.	2.5	36
34	Ageâ€dependent effect of prenatal stress on hippocampal cell proliferation in female rats. European Journal of Neuroscience, 2009, 29, 635-640.	2.6	33
35	Corticotropinâ€Releasing Factor Administered Centrally, but Not Peripherally, Stimulates Hippocampal Acetylcholine Release. Journal of Neurochemistry, 1998, 71, 622-629.	3.9	32
36	Depleting adult dentate gyrus neurogenesis increases cocaine-seeking behavior. Molecular Psychiatry, 2019, 24, 312-320.	7.9	31

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37	Plasticity in the olfactory bulb of the maternal mouse is prevented by gestational stress. Scientific Reports, 2016, 6, 37615.	3.3	30
38	Effects of Gamma-Hydroxybutyrate (GHB) on Vigilance States and EEG in Mice. Sleep, 2004, 27, 899-904.	1.1	27
39	Environmentally induced long-term structural changes: Cues for functional orientation and vulnerabilities. Neurotoxicity Research, 2004, 6, 571-580.	2.7	22
40	A Baldwin interpretation of adult hippocampal neurogenesis: from functional relevance to physiopathology. Molecular Psychiatry, 2022, 27, 383-402.	7.9	22
41	Running per se stimulates the dendritic arbor of newborn dentate granule cells in mouse hippocampus in a durationâ€dependent manner. Hippocampus, 2016, 26, 282-288.	1.9	21
42	Juvenile mild traumatic brain injury elicits distinct spatiotemporal astrocyte responses. Glia, 2020, 68, 528-542.	4.9	21
43	Interplay of Maternal Care and Genetic Influences in Programming Adult Hippocampal Neurogenesis. Biological Psychiatry, 2012, 72, 282-289.	1.3	20
44	Gene-environment interaction in programming hippocampal plasticity: focus on adult neurogenesis. Frontiers in Molecular Neuroscience, 2015, 8, 41.	2.9	18
45	Effects of spaced learning in the water maze on development of dentate granule cells generated in adult mice. Hippocampus, 2015, 25, 1314-1326.	1.9	16
46	Transcriptional Dysregulation in Postnatal Glutamatergic Progenitors Contributes to Closure of the Cortical Neurogenic Period. Cell Reports, 2018, 22, 2567-2574.	6.4	16
47	Inhibition of mTOR signaling by genetic removal of p70 S6 kinase 1 increases anxiety-like behavior in mice. Translational Psychiatry, 2021, 11, 165.	4.8	16
48	The atypical Rho GTPase Rnd2 is critical for dentate granule neuron development and anxiety-like behavior during adult but not neonatal neurogenesis. Molecular Psychiatry, 2021, 26, 7280-7295.	7.9	11
49	Sox11 is an Activity-Regulated Gene with Dentate-Gyrus-Specific Expression Upon General Neural Activation. Cerebral Cortex, 2020, 30, 3731-3743.	2.9	7
50	Cord Serum Cytokines at Birth and Childrenâ€™s Anxiety-Depression Trajectories From 3 to 8 Years: The EDEN Motherâ€“Child Cohort. Biological Psychiatry, 2021, 89, 541-549.	1.3	3
51	Stress Disorders. , 2011, , 53-97.		3
52	Stress prÃ©natals : effets dÃ©lÃ©tÃ¨res Ã long terme sur la plasticitÃ© hippocampique et les fonctions cognitives.. Medecine/Sciences, 2001, 17, 119.	0.2	1
53	Vangl2, a Core Component of the WNT/PCP Pathway, Regulates Adult Hippocampal Neurogenesis and Age-Related Decline in Cognitive Flexibility. Frontiers in Aging Neuroscience, 2022, 14, 844255.	3.4	1