

# Marianne B MÃ¼ller

## List of Publications by Year in descending order

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90  
papers

7,096  
citations

53660

45  
h-index

60497

81  
g-index

95  
all docs

95  
docs citations

95  
times ranked

8780  
citing authors

#	ARTICLE	IF	CITATIONS
1	The resilience framework as a strategy to combat stress-related disorders. <i>Nature Human Behaviour</i> , 2017, 1, 784-790.	6.2	420
2	Limbic corticotropin-releasing hormone receptor 1 mediates anxiety-related behavior and hormonal adaptation to stress. <i>Nature Neuroscience</i> , 2003, 6, 1100-1107.	7.1	418
3	A conceptual framework for the neurobiological study of resilience. <i>Behavioral and Brain Sciences</i> , 2015, 38, e92.	0.4	364
4	Chronic psychosocial stress and concomitant repetitive transcranial magnetic stimulation: effects on stress hormone levels and adult hippocampal neurogenesis. <i>Biological Psychiatry</i> , 2002, 52, 1057-1065.	0.7	305
5	Effects of Long-Term Voluntary Exercise on the Mouse Hypothalamic-Pituitary-Adrenocortical Axis. <i>Endocrinology</i> , 2003, 144, 3012-3023.	1.4	282
6	Hippocampal Apoptosis in Major Depression Is a Minor Event and Absent from Subareas at Risk for Glucocorticoid Overexposure. <i>American Journal of Pathology</i> , 2001, 158, 453-468.	1.9	255
7	Long-Term Repetitive Transcranial Magnetic Stimulation Increases the Expression of Brain-Derived Neurotrophic Factor and Cholecystokinin mRNA, but not Neuropeptide Tyrosine mRNA in Specific Areas of Rat Brain. <i>Neuropsychopharmacology</i> , 2000, 23, 205-215.	2.8	245
8	Neither major depression nor glucocorticoid treatment affects the cellular integrity of the human hippocampus. <i>European Journal of Neuroscience</i> , 2001, 14, 1603-1612.	1.2	224
9	Immunocytochemical distribution of corticotropin-releasing hormone receptor type-1 (CRF1)-like immunoreactivity in the mouse brain: Light microscopy analysis using an antibody directed against the C-terminus. , 2000, 420, 305-323.		195
10	The involvement of FK506-binding protein 51 (FKBP5) in the behavioral and neuroendocrine effects of chronic social defeat stress. <i>Neuropharmacology</i> , 2012, 62, 332-339.	2.0	195
11	The Neuronal Transporter Gene SLC6A15 Confers Risk to Major Depression. <i>Neuron</i> , 2011, 70, 252-265.	3.8	189
12	Expression and Regulation of the Fkbp5 Gene in the Adult Mouse Brain. <i>PLoS ONE</i> , 2011, 6, e16883.	1.1	171
13	Reduction of Hypothalamic Vasopressinergic Hyperdrive Contributes to Clinically Relevant Behavioral and Neuroendocrine Effects of Chronic Paroxetine Treatment in a Psychopathological Rat Model. <i>Neuropsychopharmacology</i> , 2003, 28, 235-243.	2.8	156
14	Forebrain CRF <sub>1</sub> Modulates Early-Life Stress-Programmed Cognitive Deficits. <i>Journal of Neuroscience</i> , 2011, 31, 13625-13634.	1.7	154
15	Long-term behavioral and neuroendocrine alterations following chronic social stress in mice: Implications for stress-related disorders. <i>Hormones and Behavior</i> , 2008, 53, 386-394.	1.0	153
16	Vasopressin Mediates the Response of the Combined Dexamethasone/CRH Test in Hyper-anxious Rats Implications for Pathogenesis of Affective Disorders. <i>Neuropsychopharmacology</i> , 2002, 26, 94-105.	2.8	149
17	Forebrain CRHR1 deficiency attenuates chronic stress-induced cognitive deficits and dendritic remodeling. <i>Neurobiology of Disease</i> , 2011, 42, 300-310.	2.1	138
18	Evidence supporting the match/mismatch hypothesis of psychiatric disorders. <i>European Neuropsychopharmacology</i> , 2014, 24, 907-918.	0.3	125

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19	Nectin-3 links CRHR1 signaling to stress-induced memory deficits and spine loss. <i>Nature Neuroscience</i> , 2013, 16, 706-713.	7.1	123
20	Chronic social stress during adolescence induces cognitive impairment in aged mice. <i>Hippocampus</i> , 2010, 20, 540-549.	0.9	120
21	Pharmacological Inhibition of BACE1 Impairs Synaptic Plasticity and Cognitive Functions. <i>Biological Psychiatry</i> , 2015, 77, 729-739.	0.7	109
22	Repetitive transcranial magnetic stimulation in rats: evidence for a neuroprotective effect in vitro and in vivo. <i>European Journal of Neuroscience</i> , 1999, 11, 3247-3254.	1.2	104
23	Combined effects of exonic polymorphisms in CRHR1 and AVPR1B genes in a case/control study for panic disorder. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2008, 147B, 1196-1204.	1.1	101
24	Corticotropin-releasing hormone activates ERK1/2 MAPK in specific brain areas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6183-6188.	3.3	95
25	Early-life stress-induced anxiety-related behavior in adult mice partially requires forebrain corticotropin-releasing hormone receptor 1. <i>European Journal of Neuroscience</i> , 2012, 36, 2360-2367.	1.2	91
26	Glioneuronal Malformative Lesions and Dysembryoplastic Neuroepithelial Tumors in Patients with Chronic Pharmacoresistant Epilepsies. <i>Journal of Neuropathology and Experimental Neurology</i> , 1995, 54, 245-254.	0.9	84
27	Selective Activation of the Hypothalamic Vasopressinergic System in Mice Deficient for the Corticotropin-Releasing Hormone Receptor 1 Is Dependent on Glucocorticoids. <i>Endocrinology</i> , 2000, 141, 4262-4269.	1.4	84
28	Individual Stress Vulnerability Is Predicted by Short-Term Memory and AMPA Receptor Subunit Ratio in the Hippocampus. <i>Journal of Neuroscience</i> , 2010, 30, 16949-16958.	1.7	83
29	ABCB1 (MDR1)-Type P-Glycoproteins at the Blood-Brain Barrier Modulate the Activity of the Hypothalamic-Pituitary-Adrenocortical System: Implications for Affective Disorder. <i>Neuropsychopharmacology</i> , 2003, 28, 1991-1999.	2.8	77
30	Mice with Mutations in the HPA-System as Models for Symptoms of Depression. <i>Biological Psychiatry</i> , 2006, 59, 1104-1115.	0.7	77
31	Chronic Stress and Individual Vulnerability. <i>Annals of the New York Academy of Sciences</i> , 2008, 1148, 174-183.	1.8	76
32	Getting closer to affective disorders: the role of CRH receptor systems. <i>Trends in Molecular Medicine</i> , 2004, 10, 409-415.	3.5	74
33	Differences in serotonergic neurotransmission between rats displaying high or low anxiety/depression-like behaviour: effects of chronic paroxetine treatment. <i>Journal of Neurochemistry</i> , 2005, 92, 1170-1179.	2.1	74
34	Postnatal Glucocorticoid Excess Due to Pituitary Glucocorticoid Receptor Deficiency: Differential Short- and Long-Term Consequences. <i>Endocrinology</i> , 2009, 150, 2709-2716.	1.4	69
35	Biomarkers Predicting Antidepressant Treatment Response: How Can We Advance the Field?. <i>Disease Markers</i> , 2013, 35, 23-31.	0.6	69
36	Tumor suppressor down-regulated in renal cell carcinoma 1 (DRR1) is a stress-induced actin bundling factor that modulates synaptic efficacy and cognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17213-17218.	3.3	64

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37	Homer1/mGluR5 Activity Moderates Vulnerability to Chronic Social Stress. <i>Neuropsychopharmacology</i> , 2015, 40, 1222-1233.	2.8	63
38	Listening to mutant mice: a spotlight on the role of CRF/CRF receptor systems in affective disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2005, 29, 867-889.	2.9	62
39	Early improvement as a resilience signal predicting later remission to antidepressant treatment in patients with Major Depressive Disorder: Systematic review and meta-analysis. <i>Journal of Psychiatric Research</i> , 2017, 94, 96-106.	1.5	62
40	Homer1 Mediates Acute Stress-Induced Cognitive Deficits in the Dorsal Hippocampus. <i>Journal of Neuroscience</i> , 2013, 33, 3857-3864.	1.7	60
41	Chronic social stress-induced hyperglycemia in mice couples individual stress susceptibility to impaired spatial memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10187-E10196.	3.3	59
42	Pituitary glucocorticoid receptor deletion reduces vulnerability to chronic stress. <i>Psychoneuroendocrinology</i> , 2011, 36, 579-587.	1.3	56
43	Ketamine's antidepressant effect is mediated by energy metabolism and antioxidant defense system. <i>Scientific Reports</i> , 2017, 7, 15788.	1.6	54
44	Vasopressin, major depression, and hypothalamic-pituitary-adrenocortical desensitization. <i>Biological Psychiatry</i> , 2000, 48, 330-333.	0.7	51
45	Genetic modification of corticosteroid receptor signalling: Novel insights into pathophysiology and treatment strategies of human affective disorders. <i>Neuropeptides</i> , 2002, 36, 117-131.	0.9	51
46	Differences in FKBP51 Regulation Following Chronic Social Defeat Stress Correlate with Individual Stress Sensitivity: Influence of Paroxetine Treatment. <i>Neuropsychopharmacology</i> , 2012, 37, 2797-2808.	2.8	51
47	Advancing empirical resilience research. <i>Behavioral and Brain Sciences</i> , 2015, 38, e128.	0.4	48
48	Gene expression profiling following maternal deprivation: Involvement of the brain renin-angiotensin system. <i>Frontiers in Molecular Neuroscience</i> , 2009, 2, 1.	1.4	45
49	Genetically engineered mice for studies of stress-related clinical conditions. <i>Journal of Psychiatric Research</i> , 2002, 36, 53-76.	1.5	41
50	Hypothalamic-Pituitary-Adrenocortical System and Mood Disorders: Highlights from Mutant Mice. <i>Neuroendocrinology</i> , 2004, 79, 1-12.	1.2	40
51	Fkbp52 heterozygosity alters behavioral, endocrine and neurogenetic parameters under basal and chronic stress conditions in mice. <i>Psychoneuroendocrinology</i> , 2012, 37, 2009-2021.	1.3	35
52	Purine and pyrimidine metabolism: Convergent evidence on chronic antidepressant treatment response in mice and humans. <i>Scientific Reports</i> , 2016, 6, 35317.	1.6	35
53	Disruption of feeding behavior in CRH receptor I-deficient mice is dependent on glucocorticoids. <i>NeuroReport</i> , 2000, 11, 1963-1966.	0.6	34
54	Neuropeptide Y mediates the initial hypothalamic-pituitary-adrenal response to maternal separation in the neonatal mouse. <i>Journal of Endocrinology</i> , 2008, 197, 421-427.	1.2	33

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55	Conditional CRF receptor 1 knockout mice show altered neuronal activation pattern to mild anxiogenic challenge. <i>Psychopharmacology</i> , 2006, 188, 374-385.	1.5	30
56	Decoding the Mechanism of Action of Rapid-Acting Antidepressant Treatment Strategies: Does Gender Matter?. <i>International Journal of Molecular Sciences</i> , 2019, 20, 949.	1.8	28
57	Common genes associated with antidepressant response in mouse and man identify key role of glucocorticoid receptor sensitivity. <i>PLoS Biology</i> , 2017, 15, e2002690.	2.6	28
58	Chronic social defeat-induced social avoidance as a proxy of stress resilience in mice involves conditioned learning. <i>Journal of Psychiatric Research</i> , 2020, 120, 64-71.	1.5	27
59	Mouse Mutants for the Study of Corticotropin-Releasing Hormone Receptor Function: Development of Novel Treatment Strategies for Mood Disorders. <i>Annals of the New York Academy of Sciences</i> , 2004, 1018, 445-457.	1.8	26
60	The stress-inducible actin-interacting protein DRR1 shapes social behavior. <i>Psychoneuroendocrinology</i> , 2014, 48, 98-110.	1.3	25
61	Stress inoculation in mice induces global resilience. <i>Translational Psychiatry</i> , 2020, 10, 200.	2.4	24
62	Early onset of depression and treatment outcome in patients with major depressive disorder. <i>Journal of Psychiatric Research</i> , 2021, 139, 150-158.	1.5	22
63	Chronic social stress during adolescence: Interplay of paroxetine treatment and ageing. <i>Neuropharmacology</i> , 2013, 72, 38-46.	2.0	19
64	Paroxetine Administration Affects Microbiota and Bile Acid Levels in Mice. <i>Frontiers in Psychiatry</i> , 2020, 11, 518.	1.3	19
65	The stressed cytoskeleton: How actin dynamics can shape stress-related consequences on synaptic plasticity and complex behavior. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 62, 69-75.	2.9	18
66	A Polymorphism in the Crhr1 Gene Determines Stress Vulnerability in Male Mice. <i>Endocrinology</i> , 2014, 155, 2500-2510.	1.4	17
67	Bioenergetic shift and actin cytoskeleton remodelling as acute vascular adaptive mechanisms to angiotensin II in murine retina and ophthalmic artery. <i>Redox Biology</i> , 2020, 34, 101597.	3.9	17
68	Temazepam Triggers the Release of Vasopressin into the Rat Hypothalamic Paraventricular Nucleus: Novel Insight into Benzodiazepine Action on Hypothalamicâ€Pituitaryâ€Adrenocortical System Activity During Stress. <i>Neuropsychopharmacology</i> , 2006, 31, 2573-2579.	2.8	16
69	Temporal profiling of an acute stress-induced behavioral phenotype in mice and role of hippocampal DRR1. <i>Psychoneuroendocrinology</i> , 2018, 91, 149-158.	1.3	16
70	Ketamineâ€™s Effects on the Glutamatergic and GABAergic Systems: A Proteomics and Metabolomics Study in Mice. <i>Molecular Neuropsychiatry</i> , 2019, 5, 42-51.	3.0	15
71	Ontogeny of steroid receptor coactivators in the hippocampus and their role in regulating postnatal HPA axis function. <i>Brain Research</i> , 2007, 1174, 1-6.	1.1	14
72	Understanding and Predicting Antidepressant Response: Using Animal Models to Move Toward Precision Psychiatry. <i>Frontiers in Psychiatry</i> , 2018, 9, 512.	1.3	14

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73	Molecular Genetic Analysis as a Tool for Evaluating Stereotactic Biopsies of Glioma Specimens. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999, 58, 40-45.	0.9	13
74	Individual baseline behavioral traits predict the resilience phenotype after chronic social defeat. <i>Neurobiology of Stress</i> , 2021, 14, 100290.	1.9	13
75	The Stress-Inducible Protein DRR1 Exerts Distinct Effects on Actin Dynamics. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3993.	1.8	10
76	Higher BDNF plasma levels are associated with a normalization of memory dysfunctions during an antidepressant treatment. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2020, 270, 183-193.	1.8	10
77	Hippocampal Homer1 Levels Influence Motivational Behavior in an Operant Conditioning Task. <i>PLoS ONE</i> , 2014, 9, e85975.	1.1	9
78	Longitudinal CSF proteome profiling in mice to uncover the acute and sustained mechanisms of action of rapid acting antidepressant (2R,6R)-hydroxynorketamine (HNK). <i>Neurobiology of Stress</i> , 2021, 15, 100404.	1.9	8
79	Tolerability of High-Dose Venlafaxine After Switch From Escitalopram in Nonresponding Patients With Major Depressive Disorder. <i>Journal of Clinical Psychopharmacology</i> , 2021, 41, 62-66.	0.7	8
80	Chronic social defeat stress causes retinal vascular dysfunction. <i>Experimental Eye Research</i> , 2021, 213, 108853.	1.2	8
81	Sexually Dimorphic Behavioral Profile in a Transgenic Model Enabling Targeted Recombination in Active Neurons in Response to Ketamine and (2R,6R)-Hydroxynorketamine Administration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2142.	1.8	7
82	Hippocampal NG2+ pericytes in chronically stressed rats and depressed patients: a quantitative study. <i>Stress</i> , 2021, 24, 353-358.	0.8	7
83	Early life adversity targets the transcriptional signature of hippocampal NG2+ glia and affects voltage gated sodium (Nav) channels properties. <i>Neurobiology of Stress</i> , 2021, 15, 100338.	1.9	7
84	Selective targeting of chronic social stress-induced activated neurons identifies neurogenesis-related genes to be associated with resilience in female mice. <i>Psychoneuroendocrinology</i> , 2022, 139, 105700.	1.3	5
85	A distinct transcriptional signature of antidepressant response in hippocampal dentate gyrus granule cells. <i>Translational Psychiatry</i> , 2021, 11, 4.	2.4	4
86	Chronic social stress lessens the metabolic effects induced by a high-fat diet. <i>Journal of Endocrinology</i> , 2021, 249, 19-30.	1.2	4
87	Epigenetic signatures in antidepressant treatment response: a methylome-wide association study in the EMC trial. <i>Translational Psychiatry</i> , 2022, 12, .	2.4	4
88	Expression and glucocorticoid-dependent regulation of the stress-inducible protein DRR1 in the mouse adult brain. <i>Brain Structure and Function</i> , 2018, 223, 4039-4052.	1.2	3
89	IntelliPy: a GUI for analyzing IntelliCage data. <i>Bioinformatics</i> , 2021, 37, 3972-3973.	1.8	1
90	Hormones, Stress and Depression. , 2005, , 227-236.		1