Katharina Braun

List of Publications by Year
in descending order

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Version: 2024-02-01

68 papers	3,521 citations	126907 33 h-index	138484 58 g-index
68 all docs	68 docs citations	68 times ranked	4006 citing authors

#	Article	IF	Citations
1	Changes in Ca2+-binding proteins in human neurodegenerative disorders. Trends in Neurosciences, 1992, 15, 259-264.	8.6	393
2	The Role of Dopamine in Schizophrenia from a Neurobiological and Evolutionary Perspective: Old Fashioned, but Still in Vogue. Frontiers in Psychiatry, 2014, 5, 47.	2.6	273
3	Changes of spine density and dendritic complexity in the prefrontal cortex in offspring of mothers exposed to stress during pregnancy. European Journal of Neuroscience, 2006, 24, 1477-1487.	2.6	255
4	Stress In Utero: Prenatal Programming of Brain Plasticity and Cognition. Biological Psychiatry, 2015, 78, 315-326.	1.3	188
5	Experience-induced Changes of Dendritic Spine Densities in the Prefrontal and Sensory Cortex: Correlation with Developmental Time Windows. Cerebral Cortex, 2005, 15, 802-808.	2.9	157
6	Separation-Induced Receptor Changes in the Hippocampus and Amygdala ofOctodon degus: Influence of Maternal Vocalizations. Journal of Neuroscience, 2003, 23, 5329-5336.	3.6	124
7	Calcium-Binding Proteins in Avian and Mammalian Central Nervous System: Localization, Development and Possible Functions. Progress in Histochemistry and Cytochemistry, 1990, 21, III-62.	5.1	114
8	Perinatal programming of emotional brain circuits: an integrative view from systems to molecules. Frontiers in Neuroscience, 2014, 8, 11.	2.8	114
9	Organization of the dopaminergic innervation of forebrain areas relevant to learning: A combined immunohistochemical/retrograde tracing study in the domestic chick. Journal of Comparative Neurology, 1996, 376, 1-27.	1.6	97
10	Juvenile emotional experience alters synaptic composition in the rodent cortex, hippocampus, and lateral amygdala. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 16137-16142.	7.1	95
11	The neural mechanisms and consequences of paternal caregiving. Nature Reviews Neuroscience, 2019, 20, 205-224.	10.2	93
12	The international society for developmental psychobiology annual meeting symposium: Impact of early life experiences on brain and behavioral development. Developmental Psychobiology, 2006, 48, 583-602.	1.6	87
13	Early life stressâ€induced histone acetylations correlate with activation of the synaptic plasticity genes Arc and Egr1 in the mouse hippocampus. Journal of Neurochemistry, 2013, 125, 457-464.	3.9	79
14	Lack of paternal care affects synaptic development in the anterior cingulate cortex. Brain Research, 2006, 1116, 58-63.	2.2	66
15	Filial imprinting in domestic chicks is associated with spine pruning in the associative area, dorsocaudal neostriatum. European Journal of Neuroscience, 1999, 11, 2566-2570.	2.6	64
16	Exposure to neonatal separation stress alters exploratory behavior and corticotropin releasing factor expression in neurons in the amygdala and hippocampus. Developmental Neurobiology, 2007, 67, 617-629.	3.0	60
17	Influence of parental deprivation on the behavioral development inOctodon degus: Modulation by maternal vocalizations. Developmental Psychobiology, 2003, 42, 237-245.	1.6	53
18	Early auditory filial learning in degus (Octodon degus): behavioral and autoradiographic studies. Brain Research, 1996, 743, 162-170.	2.2	52

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19	Calcium Regulation by Calcium-Binding Proteins in Neurodegenerative Disorders. Neuroscience Intelligence Unit, 1995, , .	0.5	52
20	Chronic Postnatal Stress Induces Depressive-like Behavior in Male Mice and Programs second-Hit Stress-Induced Gene Expression Patterns of OxtR and AvpR1a in Adulthood. Molecular Neurobiology, 2017, 54, 4813-4819.	4.0	49
21	Methylphenidate treatment recovers stressâ€induced elevated dendritic spine densities in the rodent dorsal anterior cingulate cortex. Developmental Neurobiology, 2007, 67, 1891-1900.	3.0	48
22	Stressâ€induced synaptic changes in the rat anterior cingulate cortex are dependent on endocrine developmental time windows. Synapse, 2008, 62, 229-232.	1.2	47
23	The Prefrontal-Limbic System: Development, Neuroanatomy, Function, and Implications for Socioemotional Development. Clinics in Perinatology, 2011, 38, 685-702.	2.1	47
24	Influence of theN-Methyl-D-aspartate Receptor AntagonistDL-2-Amino-5-phosphonovaleric Acid on Auditory Filial Imprinting in the Domestic Chick. Neurobiology of Learning and Memory, 1996, 65, 177-188.	1.9	46
25	The transgenerational transmission of childhood adversity: behavioral, cellular, and epigenetic correlates. Journal of Neural Transmission, 2016, 123, 1037-1052.	2.8	45
26	The dorsocaudal neostriatum of the domestic chick: a structure serving higher associative functions. Behavioural Brain Research, 1999, 98, 211-218.	2.2	44
27	Transgenerational sex-specific impact of preconception stress on the development of dendritic spines and dendritic length in the medial prefrontal cortex. Brain Structure and Function, 2016, 221, 855-863.	2.3	44
28	Repeated neonatal separation stress alters the composition of neurochemically characterized interneuron subpopulations in the rodent dentate gyrus and basolateral amygdala. Developmental Neurobiology, 2008, 68, 1137-1152.	3.0	43
29	Differential Emotional Experience Leads to Pruning of Dendritic Spines in the Forebrain of Domestic Chicks. Neural Plasticity, 1998, 6, 17-27.	2.2	40
30	Early stress and chronic methylphenidate crossâ€sensitize dopaminergic responses in the adolescent medial prefrontal cortex and nucleus accumbens. Journal of Neurochemistry, 2007, 103, 2234-2244.	3.9	40
31	The experienceâ€dependent maturation of prefrontoâ€limbic circuits and the origin of developmental psychopathology: implications for the pathogenesis and therapy of behavioural disorders. Developmental Medicine and Child Neurology, 2011, 53, 14-18.	2.1	39
32	Experience-induced transgenerational (re-)programming of neuronal structure and functions: Impact of stress prior and during pregnancy. Neuroscience and Biobehavioral Reviews, 2020, 117, 281-296.	6.1	36
33	Refinement of dendritic and synaptic networks in the rodent anterior cingulate and orbitofrontal cortex: Critical impact of early and late social experience. Developmental Neurobiology, 2008, 68, 685-695.	3.0	35
34	Paternal deprivation induces dendritic and synaptic changes and hemispheric asymmetry of pyramidal neurons in the somatosensory cortex. Developmental Neurobiology, 2009, 69, 663-673.	3.0	34
35	Early life stress and sex-specific sensitivity of the catecholaminergic systems in prefrontal and limbic regions of Octodon degus. Brain Structure and Function, 2015, 220, 861-868.	2.3	34
36	Role of the Dorso-Caudal Neostriatum in Filial Imprinting of the Domestic Chick: a Pharmacological and Autoradiographical Approach Focused on the Involvement of NMDA-Receptors. European Journal of Neuroscience, 1997, 9, 1262-1272.	2.6	32

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37	Long-term consequences of early experience on adult avoidance learning in female rats: Role of the dopaminergic system. Neurobiology of Learning and Memory, 2007, 87, 109-122.	1.9	32
38	The impact of perinatal stress on the functional maturation of prefronto-cortical synaptic circuits. Progress in Brain Research, 2011, 189, 155-169.	1.4	32
39	Impact of an additional chronic BDNF reduction on learning performance in an Alzheimer mouse model. Frontiers in Behavioral Neuroscience, 2015, 9, 58.	2.0	32
40	Differential changes of metabolic brain activity and interregional functional coupling in prefronto-limbic pathways during different stress conditions: functional imaging in freely behaving rodent pups. Frontiers in Cellular Neuroscience, 2012, 6, 19.	3.7	28
41	Paternal deprivation alters the development of catecholaminergic innervation in the prefrontal cortex and related limbic brain regions. Brain Structure and Function, 2013, 218, 859-872.	2.3	27
42	GABAergic system impairment in the hippocampus and superior temporal gyrus of patients with paranoid schizophrenia: A post-mortem study. Schizophrenia Research, 2016, 177, 10-17.	2.0	27
43	Paternal Deprivation Alters Region- and Age-Specific Interneuron Expression Patterns in the Biparental Rodent, Octodon degus. Cerebral Cortex, 2011, 21, 1532-1546.	2.9	21
44	Maternal Separation Induces Long-Term Alterations in the Cardiac Oxytocin Receptor and Cystathionine Î³-Lyase Expression in Mice. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-10.	4.0	21
45	N-methyl-D-aspartate receptor-mediated modulation of monoaminergic metabolites and amino acids in the chick forebrain: Anin vivo microdialysis and electrophysiology study. , 1999, 40, 116-135.		19
46	Stress in utero alters neonatal stress-induced regulation of the synaptic plasticity proteins Arc and Egr1 in a sex-specific manner. Brain Structure and Function, 2016, 221, 679-685.	2.3	19
47	Early-Life Adversity Induces Epigenetically Regulated Changes in Hippocampal Dopaminergic Molecular Pathways. Molecular Neurobiology, 2019, 56, 3616-3625.	4.0	17
48	Infant Cognitive Training Preshapes Learning-Relevant Prefrontal Circuits for Adult Learning: Learning-Induced Tagging of Dendritic Spines. Cerebral Cortex, 2014, 24, 2920-2930.	2.9	14
49	The Impact of Parent-Infant Interaction on Epigenetic Plasticity Mediating Synaptic Adaptations in the Infant Brain. Psychopathology, 2016, 49, 201-210.	1.5	13
50	Paternal deprivation affects the functional maturation of corticotropin-releasing hormone (CRH)- and calbindin-D28k-expressing neurons in the bed nucleus of the stria terminalis (BNST) of the biparental Octodon degus. Brain Structure and Function, 2014, 219, 1983-1990.	2.3	12
51	Calretinin and parvalbumin in schizophrenia and affective disorders: a mini-review, a perspective on the evolutionary role of calretinin in schizophrenia, and a preliminary post-mortem study of calretinin in the septal nuclei. Frontiers in Cellular Neuroscience, 2015, 9, 393.	3.7	12
52	Decreased ribosomal DNA transcription in dorsal raphe nucleus neurons differentiates between suicidal and non-suicidal death. European Archives of Psychiatry and Clinical Neuroscience, 2016, 266, 217-224.	3.2	12
53	Cognitive training during infancy and adolescence accelerates adult associative learning: Critical impact of age, stimulus contingency and training intensity. Neurobiology of Learning and Memory, 2010, 94, 329-340.	1.9	10
54	Sex-specific positive and negative consequences of avoidance training during childhood on adult active avoidance learning in mice. Frontiers in Behavioral Neuroscience, 2013, 7, 143.	2.0	9

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55	Impaired active avoidance learning in infant rats appears to be related to insufficient metabolic recruitment of the lateral septum. Neurobiology of Learning and Memory, 2010, 93, 275-282.	1.9	7
56	Differential effects of wake promoting drug modafinil in aversive learning paradigms. Frontiers in Behavioral Neuroscience, 2015, 9, 220.	2.0	7
57	Paternal Deprivation and Female Biparental Family Rearing Induce Dendritic and Synaptic Changes in Octodon degus: I. Medial Prefrontal Cortex. Frontiers in Synaptic Neuroscience, 2020, 12, 38.	2.5	6
58	Reduced ribosomal DNA transcription in the prefrontal cortex of suicide victims: consistence of new molecular RT-qPCR findings with previous morphometric data from AgNOR-stained pyramidal neurons. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 567-576.	3.2	5
59	Ribosomal DNA transcription in dorsal raphe nucleus neurons is increased in residual schizophrenia compared to depressed patients with affective disorders. Psychiatry Research, 2015, 230, 233-241.	3.3	4
60	Comparing brain activity patterns during spontaneous exploratory and cue-instructed learning using single photon-emission computed tomography (SPECT) imaging of regional cerebral blood flow in freely behaving rats. Brain Structure and Function, 2018, 223, 2025-2038.	2.3	4
61	Ribosomal DNA transcription in prefrontal pyramidal neurons is decreased in suicide. European Archives of Psychiatry and Clinical Neuroscience, 2020, 270, 859-867.	3.2	3
62	Infant avoidance training alters cellular activation patterns in prefronto-limbic circuits during adult avoidance learning: II. Cellular imaging of neurons expressing the activity-regulated cytoskeleton-associated protein (Arc/Arg3.1). Brain Structure and Function, 2018, 223, 713-725.	2.3	2
63	Visual snake aversion in Octodon degus and C57BL/6 mice. Animal Cognition, 2021, , 1.	1.8	2
64	The roots of paternal depression: Experienced and nonexperienced trauma or Folie a Deux?. Developmental Psychobiology, 2021, 63, e22197.	1.6	2
65	Early Life Stress-Induced Epigenetic Programming of Hippocampal NPY-Y2 Receptor Gene Expression Changes in Response to Adult Stress. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	2
66	Infant avoidance training alters cellular activation patterns in prefronto-limbic circuits during adult avoidance learning: I. Cellular imaging of neurons expressing the synaptic plasticity early growth response protein 1 (Egr1). Brain Structure and Function, 2017, 222, 3639-3651.	2.3	1
67	NMDA-induced stimulation of glycolysis in developing hippocampal cell cultures. Open Life Sciences, 2009, 4, 50-57.	1.4	0
68	Imaging of Functional Brain Circuits during Acquisition and Memory Retrieval in an Aversive Feedback Learning Task: Single Photon Emission Computed Tomography of Regional Cerebral Blood Flow in Freely Behaving Rats. Brain Sciences, 2021, 11, 659.	2.3	0