Christoph Schwarzer

List of Publications by Year
in descending order

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86 papers	4,636 citations	126907 33 h-index	114465 63 g-index
87 all docs	87 docs citations	87 times ranked	5864 citing authors

#	Article	IF	Citations
1	Biallelic mutations in the death domain of PIDD1 impair caspase-2 activation and are associated with intellectual disability. Translational Psychiatry, 2021, 11, 1.	4.8	334
2	Dynorphin Acts as a Neuromodulator to Inhibit Itch in the Dorsal Horn of the Spinal Cord. Neuron, 2014, 82, 573-586.	8.1	290
3	30Âyears of dynorphins â€" New insights on their functions in neuropsychiatric diseases. , 2009, 123, 353-370.		241
4	Important role of hypothalamic Y2 receptors in body weight regulation revealed in conditional knockout mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8938-8943.	7.1	229
5	Regional Differences in Distribution and Functional Expression of Small-Conductance Ca²⁺-Activated K⁺Channels in Rat Brain. Journal of Neuroscience, 2002, 22, 9698-9707.	3.6	195
6	Neuropeptide Y inhibits potassiumâ€stimulated glutamate release through Y₂ receptors in rat hippocampal slices in vitro. British Journal of Pharmacology, 1994, 113, 737-740.	5.4	181
7	Y4 receptor knockout rescues fertility in ob/ob mice. Genes and Development, 2002, 16, 1077-1088.	5.9	159
8	Distribution of the major ?-aminobutyric acidA receptor subunits in the basal ganglia and associated limbic brain areas of the adult rat. Journal of Comparative Neurology, 2001, 433, 526-549.	1.6	155
9	Prodynorphin-Derived Peptides Are Critical Modulators of Anxiety and Regulate Neurochemistry and Corticosterone. Neuropsychopharmacology, 2009, 34, 775-785.	5.4	143
10	GABA and Its Receptors in Epilepsy. Advances in Experimental Medicine and Biology, 2004, 548, 92-103.	1.6	139
11	Neuropeptides-immunoreactivity and their mRNA expression in kindling: functional implications for limbic epileptogenesis. Brain Research Reviews, 1996, 22, 27-50.	9.0	130
12	Up-Regulation of Neuropeptide Y-Y₂Receptors in an Animal Model of Temporal Lobe Epilepsy. Molecular Pharmacology, 1998, 53, 6-13.	2.3	117
13	Endogenous dynorphin in epileptogenesis and epilepsy: anticonvulsant net effect via kappa opioid receptors. Brain, 2007, 130, 1017-1028.	7.6	116
14	Synergistic Effects of Y2 and Y4 Receptors on Adiposity and Bone Mass Revealed in Double Knockout Mice. Molecular and Cellular Biology, 2003, 23, 5225-5233.	2.3	109
15	Complex Subunit Assembly of Neuronal Voltage-gated K+Channels. Journal of Biological Chemistry, 1997, 272, 27577-27581.	3.4	108
16	In vivo brain GPCR signaling elucidated by phosphoproteomics. Science, 2018, 360, .	12.6	105
17	Neuropeptides-immunoreactivity and their mRNA expression in kindling: functional implications for limbic epileptogenesis. Brain Research Reviews, 1996, 22, 27-50.	9.0	103
18	Y2 Receptor Deletion Attenuates the Type 2 Diabetic Syndrome of ob/ob Mice. Diabetes, 2002, 51, 3420-3427.	0.6	100

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19	Y1 receptors regulate aggressive behavior by modulating serotonin pathways. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12742-12747.	7.1	83
20	Increased Expression of GABA_AReceptor Î²-Subunits in the Hippocampus of Patients with Temporal Lobe Epilepsy. Journal of Neuropathology and Experimental Neurology, 2003, 62, 820-834.	1.7	75
21	Altered expression of NPY-Y1 receptors in kainic acid induced epilepsy in rats. Neuroscience Letters, 1997, 230, 129-132.	2.1	67
22	Differences in mitochondrial function in homogenated samples from healthy and epileptic specific brain tissues revealed by high-resolution respirometry. Mitochondrion, 2015, 25, 104-112.	3.4	66
23	Expression of plasma membrane GABA transporters but not of the vesicular GABA transporter in dentate granule cells after kainic acid seizures. Hippocampus, 2003, 13, 806-815.	1.9	63
24	GPER1 (GPR30) knockout mice display reduced anxiety and altered stress response in a sex and paradigm dependent manner. Hormones and Behavior, 2014, 66, 628-636.	2.1	61
25	Identification and location of bone-forming cells within cartilage canals on their course into the secondary ossification centre. Journal of Anatomy, 2006, 208, 695-707.	1.5	59
26	Differential distribution of the sodiumâ€activated potassium channels slick and slack in mouse brain. Journal of Comparative Neurology, 2016, 524, 2093-2116.	1.6	59
27	Role of tartrate-resistant acid phosphatase (TRAP) in long bone development. Mechanisms of Development, 2012, 129, 162-176.	1.7	52
28	Distribution of prodynorphin mRNA and its interaction with the NPY system in the mouse brain. Neuropeptides, 2006, 40, 115-123.	2.2	48
29	Activation of the G-protein-coupled receptor GPR30 induces anxiogenic effects in mice, similar to oestradiol. Psychopharmacology, 2012, 221, 527-535.	3.1	47
30	GABAA receptor modulation by piperine and a non-TRPV1 activating derivative. Biochemical Pharmacology, 2013, 85, 1827-1836.	4.4	44
31	Rapid quantification of the nitrification inhibitor dicyandiamide in soil samples, nutrient media and bacterial cell-free extracts. Journal of Chromatography A, 1996, 732, 390-393.	3.7	42
32	Hypothalamic Î¼-Opioid Receptor Modulates the Orexigenic Effect of Ghrelin. Neuropsychopharmacology, 2013, 38, 1296-1307.	5.4	40
33	Restricting calcium currents is required for correct fiber type specification in skeletal muscle. Development (Cambridge), 2016, 143, 1547-59.	2.5	39
34	Neuroinflammatory alterations in trait anxiety: modulatory effects of minocycline. Translational Psychiatry, 2020, 10, 256.	4.8	39
35	Epithelial and Muscular Regionalization of the Human Developing Anorectum. Anatomical Record, 2007, 290, 1449-1458.	1.4	37
36	Bone development in the femoral epiphysis of mice: The role of cartilage canals and the fate of resting chondrocytes. Developmental Dynamics, 2007, 236, 2077-2088.	1.8	33

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37	Influence of Sex and Genetic Background on Anxiety-Related and Stress-Induced Behaviour of Prodynorphin-Deficient Mice. PLoS ONE, 2012, 7, e34251.	2.5	32
38	Changes in the GABA-ergic system induced by trimethyltin application in the rat. Molecular Brain Research, 2001, 97, 1-6.	2.3	31
39	Novel Mutation in Potassium Channel related Gene KCTD7 and Progressive Myoclonic Epilepsy. Annals of Human Genetics, 2012, 76, 326-331.	0.8	31
40	The Opioid System in Temporal Lobe Epilepsy: Functional Role and Therapeutic Potential. Frontiers in Molecular Neuroscience, 2017, 10, 245.	2.9	31
41	Dynorphin Knockout Reduces Fat Mass and Increases Weight Loss during Fasting in Mice. Molecular Endocrinology, 2007, 21, 1722-1735.	3.7	29
42	Dynorphinâ€based â€œrelease on demandâ€•gene therapy for drugâ€resistant temporal lobe epilepsy. EMBO Molecular Medicine, 2019, 11, e9963.	6.9	29
43	Glutamate-stimulated neuropeptide Y mRNA expression in the rat dentate gyrus: A prominent role of metabotropic glutamate receptors. , 1998, 8, 274-288.		26
44	Knockdown of Prodynorphin Gene Prevents Cognitive Decline, Reduces Anxiety, and Rescues Loss of Group 1 Metabotropic Glutamate Receptor Function in Aging. Journal of Neuroscience, 2013, 33, 12792-12804.	3.6	26
45	The Gâ€protein biased partial Îº opioid receptor agonist 6â€²â€GNTI blocks hippocampal paroxysmal discharges without inducing aversion. British Journal of Pharmacology, 2016, 173, 1756-1767.	5.4	26
46	Impaired chloride homeostasis in epilepsy: Molecular basis, impact on treatment, and current treatment approaches. , 2020, 205, 107422.		26
47	Possible Role of Dynorphins in Alzheimer's Disease and Age-Related Cognitive Deficits. Neurodegenerative Diseases, 2014, 13, 82-85.	1.4	25
48	Functional characterization of novel bumetanide derivatives for epilepsy treatment. Neuropharmacology, 2020, 162, 107754.	4.1	23
49	VEGF and its role in the early development of the long bone epiphysis. Journal of Anatomy, 2010, 216, 611-624.	1.5	21
50	A Rationale for Hypoxic and Chemical Conditioning in Huntingtonâ€™s Disease. International Journal of Molecular Sciences, 2021, 22, 582.	4.1	21
51	Kappa opioid receptor activation blocks progressive neurodegeneration after kainic acid injection. Hippocampus, 2011, 21, 1010-1020.	1.9	20
52	Sprouty2 and â€4 regulate axon outgrowth by hippocampal neurons. Hippocampus, 2012, 22, 434-441.	1.9	20
53	Reacquisition of cocaine conditioned place preference and its inhibition by previous social interaction preferentially affect D1-medium spiny neurons in the accumbens corridor. Frontiers in Behavioral Neuroscience, 2014, 8, 317.	2.0	20
54	Altered hippocampal expression of neuropeptide Y, somatostatin, and glutamate decarboxylase in Ihara's epileptic rats and spontaneously epileptic rats. Neuroscience Letters, 2000, 287, 105-108.	2.1	18

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55	Secretoneurin: A marker in rat hippocampal pathways. , 1997, 377, 29-40.		17
56	Ablation of Sphingosine 1-Phosphate Receptor Subtype 3 Impairs Hippocampal Neuron Excitability In vitro and Spatial Working Memory In vivo. Frontiers in Cellular Neuroscience, 2016, 10, 258.	3.7	16
57	Metallothioneins and renal ageing. Nephrology Dialysis Transplantation, 2016, 31, 1444-1452.	0.7	14
58	The endogenous opioid dynorphin is required for normal bone homeostasis in mice. Neuropeptides, 2012, 46, 383-394.	2.2	13
59	Direct association of the reticulon protein RTN1A with the ryanodine receptor 2 in neurons. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1421-1433.	4.1	13
60	Analysis of Â-Subunit-dependent GABAA Receptor Modulation and Behavioral Effects of Valerenic Acid Derivatives. Journal of Pharmacology and Experimental Therapeutics, 2016, 357, 580-590.	2.5	13
61	Role for Chromatin Remodeling Factor Chd1 in Learning and Memory. Frontiers in Molecular Neuroscience, 2019, 12, 3.	2.9	13
62	Identification of potential novel interaction partners of the sodium-activated potassium channels Slick and Slack in mouse brain. Biochemistry and Biophysics Reports, 2015, 4, 291-298.	1.3	12
63	Mitochondrial Respiration Changes in R6/2 Huntingtonâ€™s Disease Model Mice during Aging in a Brain Region Specific Manner. International Journal of Molecular Sciences, 2020, 21, 5412.	4.1	12
64	Lasp1 misexpression influences chondrocyte differentiation in the vertebral column. International Journal of Developmental Biology, 2009, 53, 983-991.	0.6	12
65	Neuropeptide Y and somatostatin immunoreactivity in the rat hippocampus after moderate hypoxia. Naunyn-Schmiedeberg's Archives of Pharmacology, 1996, 354, 67-71.	3.0	11
66	Spatioâ€temporal expression of HOX genes in human hindgut development. Developmental Dynamics, 2013, 242, 53-66.	1.8	11
67	Esters of valerenic acid as potential prodrugs. European Journal of Pharmacology, 2014, 735, 123-131.	3.5	11
68	Protein kinase N1 critically regulates cerebellar development and long-term function. Journal of Clinical Investigation, 2018, 128, 2076-2088.	8.2	11
69	Metabotropic glutamate receptors mediate activation of NPY-Y2 receptor expression in the rat dentate gyrus. NeuroReport, 1998, 9, 2347-2351.	1.2	10
70	Design, Synthesis, and Pharmacological Evaluation of Novel Î²2/3 Subunit-Selective Î³-Aminobutyric Acid Type A (GABA_A) Receptor Modulators. Journal of Medicinal Chemistry, 2019, 62, 317-341.	6.4	9
71	Trimethyltin-Induced Expression of Neuropeptide Y Y2 Receptors in Rat Dentate Gyrus. Neurotoxicology and Teratology, 1998, 20, 607-610.	2.4	8
72	Breaking the seals: Efficient mRNA detection from human archival paraffin-embedded tissue. Rna, 2009, 15, 1588-1596.	3.5	8

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73	A Cycloartane Glycoside Derived from Actaea racemosa L. Modulates GABAA Receptors and Induces Pronounced Sedation in Mice. Journal of Pharmacology and Experimental Therapeutics, 2014, 351, 234-242.	2.5	8
74	STAM2, a member of the endosome-associated complex ESCRT-0 is highly expressed in neurons. Molecular and Cellular Neurosciences, 2015, 67, 104-115.	2.2	8
75	New Features on the Expression and Trafficking of mGluR1 Splice Variants Exposed by Two Novel Mutant Mouse Lines. Frontiers in Molecular Neuroscience, 2018, 11, 439.	2.9	7
76	Sprouty2 and â€4 hypomorphism promotes neuronal survival and astrocytosis in a mouse model of kainic acid induced neuronal damage. Hippocampus, 2016, 26, 658-667.	1.9	6
77	Proenkephalin Derived Peptides Are Involved in the Modulation of Mitochondrial Respiratory Control During Epileptogenesis. Frontiers in Molecular Neuroscience, 2018, 11, 351.	2.9	6
78	Physiological and electron microscopical investigations on syntrophic dicyandiamide degradation by soil bacteria. Soil Biology and Biochemistry, 1998, 30, 385-391.	8.8	5
79	The Kappa Opioid Receptor System in Temporal Lobe Epilepsy. Handbook of Experimental Pharmacology, 2021, 271, 379-400.	1.8	5
80	Double deletion of orexigenic neuropeptide Y and dynorphin results in paradoxical obesity in mice. Neuropeptides, 2014, 48, 143-151.	2.2	4
81	Considerations on Using Antibodies for Studying the Dynorphins/Kappa Opioid Receptor System. Handbook of Experimental Pharmacology, 2021, 271, 23-38.	1.8	3
82	Efficient mRNA detection from human archival paraffin-embedded tissue: An update. Rna, 2010, 16, 1446-1446.	3.5	2
83	Knockout of CaV1.3 L-type calcium channels in a mouse model of retinitis pigmentosa. Scientific Reports, 2021, 11, 15146.	3.3	2
84	Somatostatin-and Neuropeptide Y-Mediated Neurotransmission in Kindling Epileptogenesis. Advances in Behavioral Biology, 1998, , 313-325.	0.2	2
85	Secretoneurin: A marker in rat hippocampal pathways. Journal of Comparative Neurology, 1997, 377, 29-40.	1.6	1
86	Involvement of dynorphin in anxiogenic effects of estrogen. BMC Pharmacology, 2009, 9, .	0.4	0