GÃ¼nther SchÃ¼tz

List of Publications by Year
in descending order

128 papers	27,944 citations	11608 70 h-index	13727 129 g-index
132 all docs	132 docs citations	132 times ranked	25072 citing authors

#	Article	IF	Citations
1	MicroRNAs are indispensable for the proliferation and differentiation of adult neural progenitor cells in mice. Biochemical and Biophysical Research Communications, 2020, 530, 209-214.	1.0	4
2	Glucocorticoids Drive Diurnal Oscillations in T Cell Distribution and Responses by Inducing Interleukin-7 Receptor and CXCR4. Immunity, 2018, 48, 286-298.e6.	6.6	118
3	Dicer and microRNAs protect adult dopamine neurons. Cell Death and Disease, 2017, 8, e2813-e2813.	2.7	77
4	A fate-mapping approach reveals the composite origin of the connecting tubule and alerts on â€œsingle-cellâ€•specific KO model of the distal nephron. American Journal of Physiology - Renal Physiology, 2016, 311, F901-F906.	1.3	41
5	A muscle-liver-fat signalling axis is essential for central control of adaptive adipose remodelling. Nature Communications, 2015, 6, 6693.	5.8	119
6	CREB activity in dopamine D1 receptor expressing neurons regulates cocaine-induced behavioral effects. Frontiers in Behavioral Neuroscience, 2014, 8, 212.	1.0	18
7	Sexual Differentiation of the Brain Requires Perinatal Kisspeptin-GnRH Neuron Signaling. Journal of Neuroscience, 2014, 34, 15297-15305.	1.7	54
8	Dependence of fertility on kisspeptinâ€“Gpr54 signaling at the GnRH neuron. Nature Communications, 2013, 4, 2492.	5.8	173
9	Disrupting Hypothalamic Glucocorticoid Receptors Causes HPA Axis Hyperactivity and Excess Adiposity. Molecular Endocrinology, 2013, 27, 1655-1665.	3.7	83
10	Impaired rRNA synthesis triggers homeostatic responses in hippocampal neurons. Frontiers in Cellular Neuroscience, 2013, 7, 207.	1.8	31
11	A role for neuronal cAMP responsive-element binding (CREB)-1 in brain responses to calorie restriction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 621-626.	3.3	141
12	Ablation of serum response factor in dopaminergic neurons exacerbates susceptibility towards MPTPâ€•induced oxidative stress. European Journal of Neuroscience, 2012, 35, 735-741.	1.2	11
13	Pharmacological Estrogen Administration Causes a FSH-Independent Osteo-Anabolic Effect Requiring ER Alpha in Osteoblasts. PLoS ONE, 2012, 7, e50301.	1.1	18
14	The MicroRNA Contribution to Learning and Memory. Neuroscientist, 2011, 17, 468-474.	2.6	41
15	New Striatal Neurons in a Mouse Model of Progressive Striatal Degeneration Are Generated in both the Subventricular Zone and the Striatal Parenchyma. PLoS ONE, 2011, 6, e25088.	1.1	28
16	Glucocorticoid Activity during Lung Maturation Is Essential in Mesenchymal and Less in Alveolar Epithelial Cells. Molecular Endocrinology, 2011, 25, 1280-1288.	3.7	41
17	Effects of the cell typeâ€•specific ablation of the cAMPâ€•responsive transcription factor in noradrenergic neurons on locus coeruleus firing and withdrawal behavior after chronic exposure to morphine. Journal of Neurochemistry, 2010, 115, 563-573.	2.1	20
18	Neuronal Estrogen Receptor-Î± Mediates Neuroprotection by 17Î²-Estradiol. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 935-942.	2.4	66

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19	CREB mediates brain serotonin regulation of bone mass through its expression in ventromedial hypothalamic neurons. Genes and Development, 2010, 24, 2330-2342.	2.7	105
20	Metaplasticity of amygdalar responses to the stress hormone corticosterone. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14449-14454.	3.3	292
21	Glucocorticoids Suppress Bone Formation by Attenuating Osteoblast Differentiation via the Monomeric Glucocorticoid Receptor. Cell Metabolism, 2010, 11, 517-531.	7.2	346
22	Inducible gene manipulations in serotonergic neurons. Frontiers in Molecular Neuroscience, 2009, 2, 24.	1.4	34
23	The CREB/CREM Transcription Factors Negatively Regulate Early Synaptogenesis and Spontaneous Network Activity. Journal of Neuroscience, 2009, 29, 328-333.	1.7	29
24	Conditional Inactivation of Glucocorticoid Receptor Gene in Dopamine-Î²-Hydroxylase Cells Impairs Chromaffin Cell Survival. Endocrinology, 2009, 150, 1775-1781.	1.4	33
25	Postnatal Glucocorticoid Excess Due to Pituitary Glucocorticoid Receptor Deficiency: Differential Short- and Long-Term Consequences. Endocrinology, 2009, 150, 2709-2716.	1.4	69
26	DNA Binding by Estrogen Receptor-Î± Is Essential for the Transcriptional Response to Estrogen in the Liver and the Uterus. Molecular Endocrinology, 2009, 23, 1544-1555.	3.7	73
27	Anaphylactic shock depends on endothelial Gq/G11. Journal of Experimental Medicine, 2009, 206, 411-420.	4.2	94
28	Stress and addiction: glucocorticoid receptor in dopaminoceptive neurons facilitates cocaine seeking. Nature Neuroscience, 2009, 12, 247-249.	7.1	156
29	G12-G13â€“LARGâ€“mediated signaling in vascular smooth muscle is required for salt-induced hypertension. Nature Medicine, 2008, 14, 64-68.	15.2	584
30	Regulation of neural migration by the CREB/CREM transcription factors and altered Dab1 levels in CREB/CREM mutants. Molecular and Cellular Neurosciences, 2008, 39, 519-528.	1.0	17
31	Lrp5 Controls Bone Formation by Inhibiting Serotonin Synthesis in the Duodenum. Cell, 2008, 135, 825-837.	13.5	751
32	Activation of an Endogenous Suicide Response after Perturbation of rRNA Synthesis Leads to Neurodegeneration in Mice. Journal of Neuroscience, 2008, 28, 12759-12764.	1.7	81
33	Loss of the Ca ²⁺ /calmodulin-dependent protein kinase type IV in dopaminoceptive neurons enhances behavioral effects of cocaine. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17549-17554.	3.3	36
34	CREB has a contextâ€dependent role in activityâ€regulated transcription and maintains neuronal cholesterol homeostasis. FASEB Journal, 2008, 22, 2872-2879.	0.2	73
35	Loss of Glucocorticoid Receptor Function in the Pituitary Results in Early Postnatal Lethality. Endocrinology, 2008, 149, 3446-3451.	1.4	32
36	Glucocorticoid Receptor Is Required for Skin Barrier Competence. Endocrinology, 2008, 149, 1377-1388.	1.4	52

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37	Knockout of ATF1 leads to enhanced cardiac contractility and output. FASEB Journal, 2008, 22, 1155.14.	0.2	4
38	Genetic Dissection of Behavioural and Autonomic Effects of Î”9-Tetrahydrocannabinol in Mice. PLoS Biology, 2007, 5, e269.	2.6	210
39	Direct glucocorticoid receptor-Stat5 interaction in hepatocytes controls body size and maturation-related gene expression. Genes and Development, 2007, 21, 1157-1162.	2.7	99
40	Specific ablation of the transcription factor CREB in sympathetic neurons surprisingly protects against developmentally regulated apoptosis. Development (Cambridge), 2007, 134, 1663-1670.	1.2	61
41	Cardiomyocyteâ€specific inactivation of transcription factor CREB in mice. FASEB Journal, 2007, 21, 1884-1892.	0.2	25
42	Decoding NMDA Receptor Signaling: Identification of Genomic Programs Specifying Neuronal Survival and Death. Neuron, 2007, 53, 549-562.	3.8	277
43	Expression of Cre recombinase in dopaminoceptive neurons. BMC Neuroscience, 2007, 8, 4.	0.8	68
44	Inducible gene inactivation in neurons of the adult mouse forebrain. BMC Neuroscience, 2007, 8, 63.	0.8	133
45	Macrophages and neutrophils are the targets for immune suppression by glucocorticoids in contact allergy. Journal of Clinical Investigation, 2007, 117, 1381-1390.	3.9	225
46	Definition of Estrogen Receptor Pathway Critical for Estrogen Positive Feedback to Gonadotropin-Releasing Hormone Neurons and Fertility. Neuron, 2006, 52, 271-280.	3.8	503
47	Hypothalamic 3â€²,5â€²-Cyclic Adenosine Monophosphate Response Element-Binding Protein Loss Causes Anterior Pituitary Hypoplasia and Dwarfism in Mice. Molecular Endocrinology, 2006, 20, 204-211.	3.7	15
48	Bone Morphogenetic Protein-4, a Novel Modulator of Melanogenesis. Journal of Biological Chemistry, 2006, 281, 25307-25314.	1.6	42
49	Forebrain-Specific Inactivation of G q /G 11 Family G Proteins Results in Age-Dependent Epilepsy and Impaired Endocannabinoid Formation. Molecular and Cellular Biology, 2006, 26, 5888-5894.	1.1	73
50	Glucocorticoids inhibit activation-induced cell death (AICD) via direct DNA-dependent repression of the CD95 ligand gene by a glucocorticoid receptor dimer. Blood, 2005, 106, 617-625.	0.6	78
51	SRF mediates activity-induced gene expression and synaptic plasticity but not neuronal viability. Nature Neuroscience, 2005, 8, 759-767.	7.1	197
52	Mineralocorticoid receptors are indispensable for nongenomic modulation of hippocampal glutamate transmission by corticosterone. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 19204-19207.	3.3	706
53	The Epithelial Glucocorticoid Receptor Is Required for the Normal Timing of Cell Proliferation during Mammary Lobuloalveolar Development but Is Dispensable for Milk Production. Molecular Endocrinology, 2005, 19, 340-349.	3.7	62
54	cAMP Response Element-Binding Protein Regulates Differentiation and Survival of Newborn Neurons in the Olfactory Bulb. Journal of Neuroscience, 2005, 25, 10105-10118.	1.7	142

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55	Evaluation of steroid receptor function by gene targeting in mice. Journal of Steroid Biochemistry and Molecular Biology, 2005, 93, 107-112.	1.2	32
56	Mice with Genetically Altered Glucocorticoid Receptor Expression Show Altered Sensitivity for Stress-Induced Depressive Reactions. Journal of Neuroscience, 2005, 25, 6243-6250.	1.7	350
57	Modulation of Anxiety-Like Behavior and Morphine Dependence in CREB-Deficient Mice. Neuropsychopharmacology, 2004, 29, 1122-1133.	2.8	107
58	Inactivation of the Glucocorticoid Receptor in Hepatocytes Leads to Fasting Hypoglycemia and Ameliorates Hyperglycemia in Streptozotocin-Induced Diabetes Mellitus. Molecular Endocrinology, 2004, 18, 1346-1353.	3.7	173
59	Heterotrimeric G Proteins of the G q/11 Family Are Crucial for the Induction of Maternal Behavior in Mice. Molecular and Cellular Biology, 2004, 24, 8048-8054.	1.1	40
60	Glucocorticoid receptor function in hepatocytes is essential to promote postnatal body growth. Genes and Development, 2004, 18, 492-497.	2.7	110
61	CREB function is required for normal thymic cellularity and post-irradiation recovery. European Journal of Immunology, 2004, 34, 1961-1971.	1.6	21
62	Î± Complementation in the Cre recombinase enzyme. Genesis, 2003, 37, 25-29.	0.8	42
63	Analysis of CREM-dependent gene expression during mouse spermatogenesis. Molecular and Cellular Endocrinology, 2003, 212, 29-39.	1.6	39
64	CB1 Cannabinoid Receptors and On-Demand Defense Against Excitotoxicity. Science, 2003, 302, 84-88.	6.0	1,083
65	Impaired cardiac contraction and relaxation and decreased expression of sarcoplasmic Ca2+â€ATPase in mice lacking the CREM gene. FASEB Journal, 2003, 17, 103-105.	0.2	37
66	The Glucocorticoid Receptor as a Potential Target to Reduce Cocaine Abuse. Journal of Neuroscience, 2003, 23, 4785-4790.	1.7	159
67	Does cAMP Response Element-Binding Protein Have a Pivotal Role in Hippocampal Synaptic Plasticity and Hippocampus-Dependent Memory?. Journal of Neuroscience, 2003, 23, 6304-6314.	1.7	219
68	Activating Transcription Factor 1 and CREB Are Important for Cell Survival during Early Mouse Development. Molecular and Cellular Biology, 2002, 22, 1919-1925.	1.1	144
69	Inactivation of the GR in the Nervous System Affects Energy Accumulation. Endocrinology, 2002, 143, 2333-2340.	1.4	55
70	The Mineralocorticoid Receptor May Compensate for the Loss of the Glucocorticoid Receptor at Specific Stages of Mammary Gland Development. Molecular Endocrinology, 2002, 16, 2008-2018.	3.7	36
71	Phosphorylation of CREB Ser142 Regulates Light-Induced Phase Shifts of the Circadian Clock. Neuron, 2002, 34, 245-253.	3.8	233
72	Corticosteroid receptors in the brain: gene targeting studies. Brain Research Bulletin, 2002, 57, 73-83.	1.4	102

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73	Construction of a conditional allele of RSK-B/MSK2 in the mouse. Genesis, 2002, 32, 158-160.	0.8	2
74	Disruption of CREB function in brain leads to neurodegeneration. Nature Genetics, 2002, 31, 47-54.	9.4	657
75	Rapid nontranscriptional activation of endothelial nitric oxide synthase mediates increased cerebral blood flow and stroke protection by corticosteroids. Journal of Clinical Investigation, 2002, 110, 1729-1738.	3.9	159
76	Rapid nontranscriptional activation of endothelial nitric oxide synthase mediates increased cerebral blood flow and stroke protection by corticosteroids. Journal of Clinical Investigation, 2002, 110, 1729-1738.	3.9	77
77	Altered emotional behavior in PACAP-type-I-receptor-deficient mice. Molecular Brain Research, 2001, 92, 78-84.	2.5	133
78	CREB regulates hepatic gluconeogenesis through the coactivator PGC-1. Nature, 2001, 413, 179-183.	13.7	1,238
79	Hepatocyte-specific expression of Cre recombinase. Genesis, 2000, 26, 151-153.	0.8	229
80	Molecular Genetic Analysis of Glucocorticoid Signaling Using the Cre/loxP System. Biological Chemistry, 2000, 381, 961-964.	1.2	37
81	Genetic disruption of mineralocorticoid receptor leads to impaired neurogenesis and granule cell degeneration in the hippocampus of adult mice. EMBO Reports, 2000, 1, 447-451.	2.0	142
82	The DNA Binding-Independent Function of the Glucocorticoid Receptor Mediates Repression of Ap-1â€“Dependent Genes in Skin. Journal of Cell Biology, 1999, 147, 1365-1370.	2.3	179
83	Disruption of the glucocorticoid receptor gene in the nervous system results in reduced anxiety. Nature Genetics, 1999, 23, 99-103.	9.4	1,632
84	Essential role of CREB family proteins during Xenopus embryogenesis. Mechanisms of Development, 1999, 88, 55-66.	1.7	19
85	Inducible site-specific recombination in the brain 1 1Edited by M. Yaniv. Journal of Molecular Biology, 1999, 285, 175-182.	2.0	206
86	New Insights into Glucocorticoid and Mineralocorticoid Signaling: Lessons from Gene Targeting. Advances in Pharmacology, 1999, 47, 1-21.	1.2	43
87	Glucocorticoid signallingâ€”multiple variations of a common theme. Molecular and Cellular Endocrinology, 1998, 146, 1-6.	1.6	127
88	Genetic dissection of glucocorticoid receptor function in mice. Current Opinion in Genetics and Development, 1998, 8, 532-538.	1.5	160
89	Analysis of glucocorticoid signalling by gene targeting. Journal of Steroid Biochemistry and Molecular Biology, 1998, 65, 111-115.	1.2	53
90	DNA Binding of the Glucocorticoid Receptor Is Not Essential for Survival. Cell, 1998, 93, 531-541.	13.5	1,009

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91	Mineralocorticoid receptor knockout mice: Pathophysiology of Na+metabolism. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9424-9429.	3.3	393
92	PCR-Based Strategy for Genotyping Mice and ES Cells Harboring LoxP Sites. BioTechniques, 1998, 25, 968-972.	0.8	17
93	Deficits in Memory Tasks of Mice with CREB Mutations Depend on Gene Dosage. Learning and Memory, 1998, 5, 274-288.	0.5	193
94	Absence of Glucocorticoid Receptor-Î² in Mice. Journal of Biological Chemistry, 1997, 272, 26665-26668.	1.6	93
95	Spaced training induces normal long-term memory in CREB mutant mice. Current Biology, 1997, 7, 1-11.	1.8	322
96	Generation of Inhibitory Mutants of Hepatocyte Nuclear Factor 4. FEBS Journal, 1997, 244, 883-889.	0.2	7
97	Transcriptional regulation in endoderm development: characterization of an enhancer controlling Hnf3g expression by transgenesis and targeted mutagenesis. EMBO Journal, 1997, 16, 3995-4006.	3.5	41
98	Feedback Control of Glucocorticoid Production is Established during Fetal Development. Molecular Medicine, 1996, 2, 735-744.	1.9	59
99	Severe impairment of permatogenesis in mice lacking the CREM gene. Nature, 1996, 380, 162-165.	13.7	506
100	Steroid hormone receptors: Many Actors in search of a plot. Cell, 1995, 83, 851-857.	13.5	1,750
101	Analysis of the Mouse Tyrosinase Promoter In Vitro and In Vivo. Pigment Cell & Melanoma Research, 1994, 7, 275-278.	4.0	17
102	Deficient long-term memory in mice with a targeted mutation of the cAMP-responsive element-binding protein. Cell, 1994, 79, 59-68.	13.5	1,725
103	The HNF-3 Gene Family of Transcription Factors in Mice: Gene Structure, cDNA Sequence, and mRNA Distribution. Genomics, 1994, 20, 377-385.	1.3	201
104	Universal Î²-galactosidase cloning vectors for promoter analysis and gene targeting. Gene, 1994, 148, 67-70.	1.0	36
105	A yeast artificial chromosome covering the tyrosinase gene confers copy number-dependent expression in transgenic mice. Nature, 1993, 362, 258-261.	13.7	292
106	Characterization of the nuclear proteins binding the CACCC element of a glucocorticoid-responsive enhancer in the tyrosine aminotransferase gene. FEBS Journal, 1993, 211, 459-465.	0.2	12
107	Perinatal activation of a tyrosine aminotransferase fusion gene does not occur in albino lethal mice. Mechanisms of Development, 1993, 42, 59-65.	1.7	23
108	Role of cyclic AMP in the control of cell-specific gene expression. Trends in Endocrinology and Metabolism, 1993, 4, 204-209.	3.1	6

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109	Reporter constructs with low background activity utilizing the cat gene. Gene, 1992, 110, 129-130.	1.0	253
110	Molecular Characterization of the Mouse Tyrosinase Gene:Pigment Cell-Specific Expression in Transgenic Mice. Pigment Cell & Melanoma Research, 1992, 5, 295-299.	4.0	20
111	Hormonal and liver-specific control of expression of the tyrosine aminotransferase gene. Molecular Aspects of Cellular Regulation, 1991, 6, 223-234.	1.4	7
112	Two genetically defined trans-acting loci coordinately regulate overlapping sets of liver-specific genes. Cell, 1990, 61, 895-904.	13.5	154
113	A cyclic AMP response element mediates repression of tyrosine aminotransferase gene transcription by the tissue-specific extinguisher locus Tse-1. Cell, 1990, 61, 905-916.	13.5	157
114	Cell-type specificity of regulatory elements identified by linker scanning mutagenesis in the promoter of the chicken lysozyme gene. Nucleic Acids Research, 1989, 17, 8451-8462.	6.5	14
115	Control of Gene Expression by Steroid Hormones. Interdisciplinary Science Reviews, 1989, 14, 212-215.	1.0	0
116	The Albino Perinatal Lethal Mutation: Identification of Affected mRNAs and Mapping of the Locus by Pulsed-Field Gel Electrophoresis. , 1989, , 47-62.		0
117	CAT constructions with multiple unique restriction sites for the functional analysis of eukaryotic promoters and regulatory elements. Nucleic Acids Research, 1987, 15, 5490-5490.	6.5	1,823
118	Genomic footprinting reveals cell type-specific DNA binding of ubiquitous factors. Cell, 1987, 51, 435-443.	13.5	364
119	Camptothecin-induced in vivo topoisomerase I cleavages in the transcriptionally active tyrosine aminotransferase gene. Cell, 1987, 50, 1109-1117.	13.5	144
120	Cooperativity of glucocorticoid response elements located far upstream of the tyrosine aminotransferase gene. Cell, 1987, 49, 29-38.	13.5	785
121	Oestrogen and glucocorticoid responsive elements are closely related but distinct. Nature, 1987, 329, 734-736.	13.7	381
122	Glucocorticoid responsiveness of the transcriptional enhancer of Moloney Murine Sarcoma Virus. Cell, 1986, 46, 283-290.	13.5	276
123	In vivo proteinâ€“DNA interactions in a glucocorticoid response element require the presence of the hormone. Nature, 1986, 324, 686-688.	13.7	346
124	Recent gene conversion involving bovine vasopressin and oxytocin precursor genes suggested by nucleotide sequence. Nature, 1984, 308, 554-557.	13.7	202
125	Sequences in the promoter region of the chicken lysozyme gene required for steroid regulation and receptor binding. Cell, 1984, 37, 503-510.	13.5	321
126	Nucleotide sequence of cloned cDNA encoding bovine arginine vasopressinâ€“neurophysin II precursor. Nature, 1982, 295, 299-303.	13.7	579

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127	5â€²-Terminal sequences of eucaryotic mRNA can be cloned with high efficiency. Nucleic Acids Research, 1981, 9, 2251-2266.	6.5	398
128	Cloning of chicken lysozyme structural gene sequences synthesized in vitro. Nucleic Acids Research, 1978, 5, 3275-3294.	6.5	64