Morten MÃ¸ller

List of Publications by Year
in descending order

80 papers	3,035 citations	147566 31 h-index	168136 53 g-index
81 all docs	81 docs citations	81 times ranked	3447 citing authors

#	Article	IF	Citations
1	MicroRNA expression in the adult mouse central nervous system. Rna, 2008, 14, 432-444.	1.6	427
2	Detection of microRNAs in frozen tissue sections by fluorescence in situ hybridization using locked nucleic acid probes and tyramide signal amplification. Nature Protocols, 2007, 2, 2520-2528.	5.5	221
3	The anatomy and innervation of the mammalian pineal gland. Cell and Tissue Research, 2002, 309, 139-150.	1.5	211
4	Immunocytochemical demonstration of retinal S-antigen in the pineal organ of four mammalian species. Cell and Tissue Research, 1985, 239, 81-85.	1.5	132
5	Night/Day Changes in Pineal Expression of >600 Genes. Journal of Biological Chemistry, 2009, 284, 7606-7622.	1.6	130
6	Efferent projections from the periventricular and medial parvicellular subnuclei of the hypothalamic paraventricular nucleus to circumventricular organs of the rat: APhaseolus vulgaris-leucoagglutinin (PHA-L) tracing study. Journal of Comparative Neurology, 1991, 306, 462-479.	0.9	86
7	Circadian changes in long noncoding RNAs in the pineal gland. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13319-13324.	3.3	83
8	Tyrosine hydroxylase- and neuropeptide Y-immunoreactive nerve fibers in the pineal complex of untreated rats and rats following removal of the superior cervical ganglia. Cell and Tissue Research, 1991, 265, 63-71.	1.5	70
9	Expression of theOtx2homeobox gene in the developing mammalian brain: embryonic and adult expression in the pineal gland. Journal of Neurochemistry, 2006, 97, 556-566.	2.1	63
10	Expression of the Homeobox GenesOTX2andOTX1in the Early Developing Human Brain. Journal of Histochemistry and Cytochemistry, 2010, 58, 669-678.	1.3	56
11	Monoaminergic systems in the brainstem and spinal cord of the turtlePseudemys scripta elegansas revealed by antibodies against serotonin and tyrosine hydroxylase. Journal of Comparative Neurology, 1992, 325, 527-547.	0.9	54
12	Ontogenetic expression of the Otx2 and Crx homeobox genes in the retina of the rat. Experimental Eye Research, 2007, 85, 65-73.	1.2	53
13	Melatonin Synthesis: Acetylserotonin O-Methyltransferase (ASMT) Is Strongly Expressed in a Subpopulation of Pinealocytes in the Male Rat Pineal Gland. Endocrinology, 2016, 157, 2028-2040.	1.4	53
14	Developmental and Diurnal Dynamics of Pax4 Expression in the Mammalian Pineal Gland: Nocturnal Down-Regulation Is Mediated by Adrenergic-Cyclic Adenosine 3â€²,5â€²-Monophosphate Signaling. Endocrinology, 2009, 150, 803-811.	1.4	49
15	Localization and regulation of dopamine receptor D4 expression in the adult and developing rat retina. Experimental Eye Research, 2008, 87, 471-477.	1.2	48
16	The Lhx9 homeobox gene controls pineal gland development and prevents postnatal hydrocephalus. Brain Structure and Function, 2015, 220, 1497-1509.	1.2	44
17	NeuroD1: developmental expression and regulated genes in the rodent pineal gland. Journal of Neurochemistry, 2007, 102, 887-899.	2.1	43
18	Pineal function: Impact of microarray analysis. Molecular and Cellular Endocrinology, 2010, 314, 170-183.	1.6	43

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19	Circadian clock components in the rat neocortex: daily dynamics, localization and regulation. Brain Structure and Function, 2013, 218, 551-562.	1.2	42
20	Light-induced c-Fos expression in suprachiasmatic nuclei neurons targeting the paraventricular nucleus of the hamster hypothalamus: Phase dependence and immunochemical identification. Journal of Comparative Neurology, 2002, 442, 48-62.	0.9	41
21	Expression of the homeobox genes PAX6, OTX2, and OTX1 in the early human fetal retina. International Journal of Developmental Neuroscience, 2009, 27, 485-492.	0.7	40
22	Homeobox Genes in the Rodent Pineal Gland: Roles in Development and Phenotype Maintenance. Neurochemical Research, 2013, 38, 1100-1112.	1.6	39
23	Methionine Adenosyltransferase:Adrenergic-cAMP Mechanism Regulates a Daily Rhythm in Pineal Expression. Journal of Biological Chemistry, 2005, 280, 677-684.	1.6	38
24	Characterization of the Cholecystokinin and Gastrin Genes from the Bullfrog, Rana catesbeiana: Evolutionary Conservation of Primary and Secondary Sites of Gene Expression. Endocrinology, 1997, 138, 1719-1727.	1.4	37
25	Proteomic analysis of dayâ€“night variations in protein levels in the rat pineal gland. Proteomics, 2007, 7, 2009-2018.	1.3	37
26	Developmental and daily expression of the Pax4 and Pax6 homeobox genes in the rat retina: localization of Pax4 in photoreceptor cells. Journal of Neurochemistry, 2009, 108, 285-294.	2.1	37
27	Thyroid hormone and adrenergic signaling interact to control pineal expression of the dopamine receptor D4 gene (Drd4). Molecular and Cellular Endocrinology, 2010, 314, 128-135.	1.6	37
28	Cellular lining of the sheep pineal recess studied by light-, transmission-, and scanning electron microscopy: Morphologic indications for a direct secretion of melatonin from the pineal gland to the cerebrospinal fluid. Journal of Comparative Neurology, 2003, 456, 39-47.	0.9	36
29	Presence of a pineal nerve (Nervus pinealis) in the human fetus; a light and electron microscopical study of the innervation of the pineal gland. Brain Research, 1978, 154, 1-12.	1.1	35
30	Spinal Cord Injury Enables Aromatic l-Amino Acid Decarboxylase Cells to Synthesize Monoamines. Journal of Neuroscience, 2014, 34, 11984-12000.	1.7	34
31	Daily Rhythm in Pineal Phosphodiesterase (PDE) Activity Reflects Adrenergic/3â€²,5â€²-Cyclic Adenosine 5â€²-Monophosphate Induction of the PDE4B2 Variant. Endocrinology, 2007, 148, 1475-1485.	1.4	33
32	A Novel Pineal-specific Product of the Oligopeptide Transporter PepT1 Gene. Journal of Biological Chemistry, 2005, 280, 16851-16860.	1.6	32
33	Circadian oscillators in the mouse brain: molecular clock components in the neocortex and cerebellar cortex. Cell and Tissue Research, 2014, 357, 743-755.	1.5	32
34	Vasoactive intestinal peptide in the hypothalamohypophysial system of the mongolian gerbil. Journal of Comparative Neurology, 1988, 273, 87-98.	0.9	31
35	Somatostatin and prosomatostatin in the retina of the rat: An immunohistochemical, in-situ hybridization, and chromatographic study. Visual Neuroscience, 1990, 5, 441-452.	0.5	31
36	Neuropeptide Y (NPY) and C-flanking peptide of NPY in the pineal gland of normal and ganglionectomized sheep. Journal of Comparative Neurology, 1992, 316, 238-250.	0.9	31

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37	Circadian Oscillations of Molecular Clock Components in the Cerebellar Cortex of the Rat. Chronobiology International, 2012, 29, 1289-1299.	0.9	30
38	Circadian Dynamics of the Cone-Rod Homeobox (CRX) Transcription Factor in the Rat Pineal Gland and Its Role in Regulation of Arylalkylamine N-Acetyltransferase (AANAT). Endocrinology, 2014, 155, 2966-2975.	1.4	29
39	Immunohistochemical localization of the somatostatin receptor subtype 2 (sst2) in the central nervous system of the golden hamster (Mesocricetus auratus). , 1999, 405, 247-261.		27
40	Crx broadly modulates the pineal transcriptome. Journal of Neurochemistry, 2011, 119, 262-274.	2.1	25
41	Cholinergic innervation and function in the mammalian pineal gland. Microscopy Research and Technique, 1999, 46, 281-295.	1.2	24
42	Spatiotemporal Distribution of PAX6 and MEIS2 Expression and Total Cell Numbers in the Ganglionic Eminence in the Early Developing Human Forebrain. Developmental Neuroscience, 2010, 32, 149-162.	1.0	24
43	Raxâ€Š: developmental and daily expression patterns in the rat pineal gland and retina. Journal of Neurochemistry, 2011, 118, 999-1007.	2.1	23
44	The Perivascular Phagocyte of the Mouse Pineal Gland: an Antigenâ€Presenting Cell. Chronobiology International, 2006, 23, 393-401.	0.9	22
45	Demonstration of a protein immunochemically related to glial fibrillary acidic protein in human fibroblasts in culture. FEBS Letters, 1977, 83, 212-216.	1.3	21
46	Global daily dynamics of the pineal transcriptome. Cell and Tissue Research, 2011, 344, 1-11.	1.5	21
47	Prepro-Vasoactive Intestinal Polypeptide-Derived Peptide Sequences in Cerebral Blood Vessels of Rats: On the Functional Anatomy of Metabolic Autoregulation. Journal of Cerebral Blood Flow and Metabolism, 1991, 11, 932-938.	2.4	19
48	Vasoactive Intestinal Peptide-Like Immunoreactive Nerve Fibers in the Pineal Gland of the Sheep. Journal of Pineal Research, 1990, 8, 41-47.	3.4	18
49	Neuropeptide Y in the mammalian pineal gland. Microscopy Research and Technique, 1999, 46, 239-256.	1.2	15
50	Neural Adrenergic/Cyclic AMP Regulation of the Immunoglobulin E Receptor Î±-Subunit Expression in the Mammalian Pinealocyte. Journal of Biological Chemistry, 2007, 282, 32758-32764.	1.6	14
51	The Lhx4 homeobox transcript in the rat pineal gland: Adrenergic regulation and impact on transcripts encoding melatoninâ€synthesizing enzymes. Journal of Pineal Research, 2020, 68, e12616.	3.4	14
52	Arcuate nucleus, median eminence, and hypophysial pars tuberalis. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 180, 227-251.	1.0	14
53	Presence of oxytocinergic neuronal-like cells in the bovine pineal gland: an immunocytochemical and in situ hybridization study. Journal of Pineal Research, 2001, 31, 273-280.	3.4	13
54	Homeobox Genes and Melatonin Synthesis: Regulatory Roles of the Cone-Rod Homeobox Transcription Factor in the Rodent Pineal Gland. BioMed Research International, 2014, 2014, 1-8.	0.9	13

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55	Stimulation of Serotonin-N-Acetyltransferase Activity in the Pineal Gland of the Mongolian Gerbil (Meriones unguiculatus) by Intracerebroventricular Injection of Vasoactive Intestinal Polypeptide. Journal of Pineal Research, 1989, 7, 393-399.	3.4	12
56	A neuroanatomical and physiological study of the non-image forming visual system of the cone-rod homeobox gene (Crx) knock out mouse. Brain Research, 2010, 1343, 54-65.	1.1	12
57	Phosphodiesterases 3 and 5 express activity in the trigeminal ganglion and co-localize with calcitonin gene-related peptide. Cephalalgia, 2014, 34, 503-513.	1.8	11
58	The accessory magnocellular neurosecretory system of the rostral human hypothalamus. Cell and Tissue Research, 2018, 373, 487-498.	1.5	10
59	Expression of vasopressin mRNA in the hypothalamus of individuals with a diagnosis of schizophrenia. Brain and Behavior, 2019, 9, e01355.	1.0	10
60	Circadian regulation and molecular role of the Bsx homeobox gene in the adult pineal gland. Journal of Pineal Research, 2020, 68, e12629.	3.4	10
61	Characterization of the Cholecystokinin and Gastrin Genes from the Bullfrog, Rana catesbeiana: Evolutionary Conservation of Primary and Secondary Sites of Gene Expression. , 0, .		10
62	Presence of a Pineal Nerve (Nervus pinealis) in Fetal Mammals. Progress in Brain Research, 1979, 52, 103-106.	0.9	8
63	Peptidergic cells in the mammalian pineal gland. Morphological indications for a paracrine regulation of the pinealocyte. Biology of the Cell, 1997, 89, 561-567.	0.7	8
64	Vasopressin and oxytocin beyond the pituitary in the human brain. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 180, 7-24.	1.0	8
65	Muscleblindâ€like 2: circadian expression in the mammalian pineal gland is controlled by an adrenergicâ€cAMP mechanism. Journal of Neurochemistry, 2009, 110, 756-764.	2.1	7
66	Proteomics of the photoneuroendocrine circadian system of the brain. Mass Spectrometry Reviews, 2010, 29, 313-325.	2.8	7
67	Developmental and Diurnal Expression of the Synaptosomal-Associated Protein 25 (Snap25) in the Rat Pineal Gland. Neurochemical Research, 2013, 38, 1219-1228.	1.6	6
68	Expression of presynaptic markers in a neurodevelopmental animal model with relevance to schizophrenia. NeuroReport, 2013, 24, 928-933.	0.6	6
69	Diurnal expression of proteins in the retina of the blind coneâ€rod homeobox (Crx^{â^'/â^'}) mouse and the 129/Sv mouse: a proteomic study. Acta Ophthalmologica, 2017, 95, 717-726.	0.6	6
70	Demonstration of nerve fibers containing the C-terminal flanking peptide of neuropeptide Y (CPON) in the pig pineal gland (Sus domesticus): An immunocytochemical study by light and electron microscopy. , 1997, 248, 576-582.		5
71	Somatostatin and somatostatin receptors in the pig pineal gland during postnatal development: An immunocytochemical study. , 2000, 259, 141-149.		5
72	Influence of sympathectomy in humans on the rhythmicity of 6-sulphatoxymelatonin urinary excretion. Molecular and Cellular Endocrinology, 2006, 252, 40-45.	1.6	4

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73	Hypothalamic Neurosecretory and Circadian Vasopressinergic Neuronal Systems in the Blind Coneâ€Rod Homeobox Knockout Mouse (Crx^{â^'/â^'}) and the 129sv Wildâ€Type Mouse. Journal of Comparative Neurology, 2013, 521, 4061-4074.	0.9	3
74	Neuropeptide Y in the Adult and Fetal Human Pineal Gland. BioMed Research International, 2014, 2014, 1-7.	0.9	3
75	Photic stimulation of the suprachiasmatic nucleus via the non-visual optic system. A gene expression study in the blind Crx â^'/â^' mouse. Cell and Tissue Research, 2014, 358, 239-248.	1.5	3
76	Comparison of hippocampal volume measurement by autopsy and post-mortem magnetic resonance imaging. Forensic Science, Medicine, and Pathology, 2020, 16, 119-122.	0.6	2
77	An ultrastructural study of the deep pineal gland of the Sprague Dawley rat using transmission and serial block face scanning electron microscopy: cell types, barriers, and innervation. Cell and Tissue Research, 2022, 389, 531-546.	1.5	2
78	The effects of adrenergic agonists on c-fos , jun-B and nitric oxide synthase-like immunoreactivities in cultured rat pinealocytes. Journal of Pineal Research, 2001, 31, 186-192.	3.4	1
79	Immunohistochemical localization of the somatostatin receptor subtype 2 (sst2) in the central nervous system of the golden hamster (Mesocricetus auratus). , 1999, 405, 247.		1
80	Downâ€regulation of the Pineal Response to Adrenergic Stimulation Mediated by cAMP Induction of Phosphodiesterase 4B2. FASEB Journal, 2006, 20, .	0.2	0