

# Michael Numan

## List of Publications by Year in descending order

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59  
papers

5,906  
citations

76326

40  
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161849

54  
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59  
all docs

59  
docs citations

59  
times ranked

2236  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maternal Bonding. , 2021, , 4913-4917.		0
2	Maternal Bonding. , 2018, , 1-5.		0
3	Oxytocin and Parental Behaviors. Current Topics in Behavioral Neurosciences, 2017, 35, 119-153.	1.7	52
4	Neural mechanisms of motherâ€™infant bonding and pair bonding: Similarities, differences, and broader implications. Hormones and Behavior, 2016, 77, 98-112.	2.1	253
5	The medial preoptic area and the regulation of parental behavior. Neuroscience Bulletin, 2014, 30, 863-865.	2.9	23
6	Does oxytocin modulate variation in maternal caregiving in healthy new mothers?. Brain Research, 2014, 1580, 143-150.	2.2	41
7	New theoretical and experimental approaches on maternal motivation in mammals. Neuroscience and Biobehavioral Reviews, 2013, 37, 1860-1874.	6.1	73
8	Flexibility and adaptation of the neural substrate that supports maternal behavior in mammals. Neuroscience and Biobehavioral Reviews, 2013, 37, 1875-1892.	6.1	80
9	Functional, anatomical, and neurochemical differentiation of medial preoptic area subregions in relation to maternal behavior in the mouse. Journal of Comparative Neurology, 2013, 521, 1633-1663.	1.6	147
10	Maternal Behavior: Neural Circuits, Stimulus Valence, and Motivational Processes. Parenting, 2012, 12, 105-114.	1.4	38
11	Neuromolecular basis of parental behavior in laboratory mice and rats: With special emphasis on technical issues of using mouse genetics. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 1205-1231.	4.8	98
12	Hypothalamic interaction with the mesolimbic DA system in the control of the maternal and sexual behaviors in rats. Neuroscience and Biobehavioral Reviews, 2011, 35, 826-847.	6.1	103
13	Minireview: Estrogen Receptor-Initiated Mechanisms Causal to Mammalian Reproductive Behaviors. Endocrinology, 2011, 152, 1209-1217.	2.8	48
14	The importance of the basolateral/basomedial amygdala for goal-directed maternal responses in postpartum rats. Behavioural Brain Research, 2010, 214, 368-376.	2.2	56
15	Dopamine D1 receptor activation of adenylyl cyclase, not phospholipase C, in the nucleus accumbens promotes maternal behavior onset in rats. Hormones and Behavior, 2010, 57, 96-104.	2.1	34
16	Maternity: Neural mechanisms, motivational processes, and physiological adaptations.. Behavioral Neuroscience, 2010, 124, 715-741.	1.2	122
17	Medial preoptic area interactions with dopamine neural systems in the control of the onset and maintenance of maternal behavior in rats. Frontiers in Neuroendocrinology, 2009, 30, 46-64.	5.2	294
18	Father of mothering: Jay S. Rosenblatt. Hormones and Behavior, 2009, 55, 484-487.	2.1	4

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19	A single injection of 17 $\beta$ -estradiol at the time of pup presentation promotes the onset of maternal behavior in pregnancy-terminated rats. <i>Hormones and Behavior</i> , 2009, 56, 121-127.	2.1	12
20	Temporary inactivation of ventral tegmental area neurons with either muscimol or baclofen reversibly disrupts maternal behavior in rats through different underlying mechanisms.. <i>Behavioral Neuroscience</i> , 2009, 123, 740-751.	1.2	56
21	Nursing stimulation is more than tactile sensation: It is a multisensory experience. <i>Hormones and Behavior</i> , 2008, 54, 330-339.	2.1	34
22	Hypothalamic Interaction with the Mesolimbic Dopamine System and the Regulation of Maternal Responsiveness. , 2008, , 1-22.		5
23	Dopamine D $\alpha$ -receptor stimulation of the nucleus accumbens or the medial preoptic area promotes the onset of maternal behavior in pregnancy-terminated rats.. <i>Behavioral Neuroscience</i> , 2007, 121, 907-919.	1.2	87
24	Motivational systems and the neural circuitry of maternal behavior in the rat. <i>Developmental Psychobiology</i> , 2007, 49, 12-21.	1.6	321
25	Hypothalamic Neural Circuits Regulating Maternal Responsiveness Toward Infants. <i>Behavioral and Cognitive Neuroscience Reviews</i> , 2006, 5, 163-190.	3.9	198
26	Functional Magnetic Resonance Imaging Shows Oxytocin Activates Brain Regions Associated with Mother-Pup Bonding during Suckling. <i>Journal of Neuroscience</i> , 2005, 25, 11637-11644.	3.6	207
27	Medial preoptic area interactions with the nucleus accumbensâ€“ventral pallidum circuit and maternal behavior in rats. <i>Behavioural Brain Research</i> , 2005, 158, 53-68.	2.2	108
28	The effects of D1 or D2 dopamine receptor antagonism in the medial preoptic area, ventral pallidum, or nucleus accumbens on the maternal retrieval response and other aspects of maternal behavior in rats.. <i>Behavioral Neuroscience</i> , 2005, 119, 1588-1604.	1.2	153
29	Maternal Behaviors: Central Integration or Independent Parallel Circuits? Theoretical Comment on Popeski and Woodside (2004).. <i>Behavioral Neuroscience</i> , 2004, 118, 1469-1472.	1.2	7
30	Microinjection of the Tachykinin Neuropeptide K into the Ventromedial Hypothalamus Disrupts the Hormonal Onset of Maternal Behavior in Female Rats. <i>Journal of Neuroendocrinology</i> , 2003, 9, 677-687.	2.6	21
31	A functional neuroanatomical investigation of the role of the medial preoptic area in neural circuits regulating maternal behavior. <i>Behavioural Brain Research</i> , 2002, 131, 17-36.	2.2	125
32	Estrogen, Progesterone, and Pregnancy Termination Alter Neural Activity in Brain Regions That Control Maternal Behavior in Rats. <i>Neuroendocrinology</i> , 2002, 75, 12-23.	2.5	62
33	Using c-Fos immunocytochemistry to identify forebrain regions that may inhibit maternal behavior in rats.. <i>Behavioral Neuroscience</i> , 2000, 114, 337-352.	1.2	128
34	The temporal course of expression of c-Fos and Fos B within the medial preoptic area and other brain regions of postpartum female rats during prolonged motherâ€“young interactions.. <i>Behavioral Neuroscience</i> , 2000, 114, 609-622.	1.2	62
35	The Septal Region and Social Behavior. , 2000, , 175-209.		11
36	Expression of intracellular progesterone receptors in rat brain during different reproductive states, and involvement in maternal behavior. <i>Brain Research</i> , 1999, 830, 358-371.	2.2	88

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37	Expression of c-fos, fos B, and egr-1 in the medial preoptic area and bed nucleus of the stria terminalis during maternal behavior in rats. <i>Brain Research</i> , 1998, 792, 348-352.	2.2	79
38	Neuroanatomical Circuitry for Mammalian Maternal Behavior. <i>Annals of the New York Academy of Sciences</i> , 1997, 807, 101-125.	3.8	250
39	Projection Sites of Medial Preoptic Area and Ventral Bed Nucleus of the Stria Terminalis Neurons that Express Fos during Maternal Behavior in Female Rats. <i>Journal of Neuroendocrinology</i> , 1997, 9, 369-384.	2.6	140
40	A lesion and neuroanatomical tract-tracing analysis of the role of the bed nucleus of the stria terminalis in retrieval behavior and other aspects of maternal responsiveness in rats. , 1996, 29, 23-51.		134
41	A lesion and neuroanatomical tract-tracing analysis of the role of the bed nucleus of the stria terminalis in retrieval behavior and other aspects of maternal responsiveness in rats. <i>Developmental Psychobiology</i> , 1996, 29, 23-51.	1.6	79
42	Importance of pup-related sensory inputs and maternal performance for the expression of Fos-like immunoreactivity in the preoptic area and ventral bed nucleus of the stria terminalis of postpartum rats.. <i>Behavioral Neuroscience</i> , 1995, 109, 135-149.	1.2	113
43	Expression of Fos-like immunoreactivity in the preoptic area of maternally behaving virgin and postpartum rats.. <i>Behavioral Neuroscience</i> , 1994, 108, 379-394.	1.2	133
44	Excitotoxic Amino Acid Injections into the Medial Amygdala Facilitate Maternal Behavior in Virgin Female Rats. <i>Hormones and Behavior</i> , 1993, 27, 56-81.	2.1	111
45	Preoptic-brainstem connections and maternal behavior in rats.. <i>Behavioral Neuroscience</i> , 1991, 105, 1013-1029.	1.2	39
46	Dorsolateral connections of the medial preoptic area and maternal behavior in rats.. <i>Behavioral Neuroscience</i> , 1990, 104, 964-979.	1.2	62
47	Long-term effects of preoptic area knife cuts on the maternal behavior of postpartum rats. <i>Behavioral and Neural Biology</i> , 1990, 53, 284-290.	2.2	29
48	Axon-sparing lesions of the preoptic region and substantia innominata disrupt maternal behavior in rats.. <i>Behavioral Neuroscience</i> , 1988, 102, 381-396.	1.2	152
49	The Role of the Medial Preoptic Area in the Regulation of Maternal Behavior in the Rat. <i>Annals of the New York Academy of Sciences</i> , 1986, 474, 226-233.	3.8	32
50	Anatomical identification of neurons in selected brain regions associated with maternal behavior deficits induced by knife cuts of the lateral hypothalamus in rats. <i>Journal of Comparative Neurology</i> , 1985, 237, 552-564.	1.6	65
51	The effects of paraventricular hypothalamic lesions on maternal behavior in rats. <i>Physiology and Behavior</i> , 1985, 35, 417-425.	2.1	99
52	Brain Mechanisms and Parental Behavior. <i>Handbook of Behavioral Neurobiology</i> , 1985, , 537-605.	0.3	18
53	Maternal behavior in rats: Evidence for the involvement of preoptic projections to the ventral tegmental area.. <i>Behavioral Neuroscience</i> , 1984, 98, 712-727.	1.2	180
54	Preoptic area and substantia nigra interact in the control of maternal behavior in the rat.. <i>Behavioral Neuroscience</i> , 1983, 97, 120-139.	1.2	48

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55	Progesterone inhibition of maternal behavior in the rat. <i>Hormones and Behavior</i> , 1978, 11, 209-231.	2.1	49
56	Medial preoptic area and onset of maternal behavior in the rat.. <i>Journal of Comparative and Physiological Psychology</i> , 1977, 91, 146-164.	1.8	360
57	Adrenal inhibition of maternal behavior in virgin female rats. <i>Hormones and Behavior</i> , 1975, 6, 165-171.	2.1	15
58	Medial preoptic area and maternal behavior in the female rat.. <i>Journal of Comparative and Physiological Psychology</i> , 1974, 87, 746-759.	1.8	325
59	Hormonal induction of maternal behavior in the ovariectomized nulliparous rat. <i>Physiology and Behavior</i> , 1970, 5, 1373-1377.	2.1	243