

# Michael J Baum

## List of Publications by Year in descending order

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49  
papers

2,687  
citations

172457

29  
h-index

223800

46  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Olfactory Sex Discrimination Persists, Whereas the Preference for Urinary Odorants from Estrous Females Disappears in Male Mice after Vomeronasal Organ Removal. <i>Journal of Neuroscience</i> , 2004, 24, 9451-9457.	3.6	199
2	A direct main olfactory bulb projection to the vomeronasal amygdala in female mice selectively responds to volatile pheromones from males. <i>European Journal of Neuroscience</i> , 2009, 29, 624-634.	2.6	188
3	Role for estradiol in female-typical brain and behavioral sexual differentiation. <i>Frontiers in Neuroendocrinology</i> , 2008, 29, 1-16.	5.2	163
4	The vomeronasal organ is required for the expression of lordosis behaviour, but not sex discrimination in female mice. <i>European Journal of Neuroscience</i> , 2006, 23, 521-530.	2.6	131
5	Destruction of the Main Olfactory Epithelium Reduces Female Sexual Behavior and Olfactory Investigation in Female Mice. <i>Chemical Senses</i> , 2006, 31, 315-323.	2.0	120
6	Complementary Roles of the Main and Accessory Olfactory Systems in Mammalian Mate Recognition. <i>Annual Review of Physiology</i> , 2009, 71, 141-160.	13.1	119
7	Urinary odour preferences in mice. <i>Nature</i> , 2001, 409, 783-784.	27.8	112
8	Sex Difference and Steroid Modulation of Pheromone-Induced Immediate Early Genes in the Two Zones of the Mouse Accessory Olfactory System. <i>Journal of Neuroscience</i> , 2001, 21, 2474-2480.	3.6	101
9	The Development of Female Sexual Behavior Requires Prepubertal Estradiol. <i>Journal of Neuroscience</i> , 2011, 31, 5574-5578.	3.6	100
10	Differentiation in Male Ferrets of a Sexually Dimorphic Nucleus of the Preoptic/Anterior Hypothalamic Area Requires Prenatal Estrogen. <i>Neuroendocrinology</i> , 1986, 44, 299-308.	2.5	97
11	Prenatal and neonatal testosterone exposure interact to affect differentiation of sexual behavior and partner preference in female ferrets.. <i>Behavioral Neuroscience</i> , 1990, 104, 183-198.	1.2	75
12	Mammalian animal models of psychosexual differentiation: When is translation to the human situation possible?. <i>Hormones and Behavior</i> , 2006, 50, 579-588.	2.1	75
13	Effects of lesions of a sexually dimorphic nucleus in the preoptic/anterior hypothalamic area on the expression of androgen- and estrogen-dependent sexual behaviors in male ferrets. <i>Brain Research</i> , 1990, 522, 191-203.	2.2	72
14	Different Profiles of Main and Accessory Olfactory Bulb Mitral/Tufted Cell Projections Revealed in Mice Using an Anterograde Tracer and a Whole-Mount, Flattened Cortex Preparation. <i>Chemical Senses</i> , 2011, 36, 251-260.	2.0	64
15	Processing by the main olfactory system of chemosignals that facilitate mammalian reproduction. <i>Hormones and Behavior</i> , 2015, 68, 53-64.	2.1	63
16	Sexual differentiation of pheromone processing: Links to male-typical mating behavior and partner preference. <i>Hormones and Behavior</i> , 2009, 55, 579-588.	2.1	59
17	Sexually Dimorphic Processing of Somatosensory and Chemosensory Inputs to Forebrain Luteinizing Hormone-Releasing Hormone Neurons in Mated Ferrets*. <i>Endocrinology</i> , 1997, 138, 1121-1129.	2.8	58
18	Activational and organizational effects of estradiol on male behavioral neuroendocrine function. <i>Scandinavian Journal of Psychology</i> , 2003, 44, 213-220.	1.5	53

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19	Adult Testosterone Treatment But Not Surgical Disruption of Vomeronasal Function Augments Male-Typical Sexual Behavior in Female Mice. <i>Journal of Neuroscience</i> , 2009, 29, 7658-7666.	3.6	49
20	Disruption of urinary odor preference and lordosis behavior in female mice given lesions of the medial amygdala. <i>Physiology and Behavior</i> , 2012, 105, 554-559.	2.1	49
21	Roles of sex and gonadal steroids in mammalian pheromonal communication. <i>Frontiers in Neuroendocrinology</i> , 2013, 34, 268-284.	5.2	48
22	Ontogeny of the sexually dimorphic male nucleus in the preoptic / anterior hypothalamus of ferrets and its manipulation by gonadal steroids. <i>Journal of Neurobiology</i> , 1990, 21, 844-857.	3.6	46
23	Selective ablation of olfactory receptor neurons without functional impairment of vomeronasal receptor neurons in OMP-ntr transgenic mice. <i>European Journal of Neuroscience</i> , 2002, 16, 2317-2323.	2.6	42
24	Effects of sex and androgen treatment on dendritic dimensions of neurons in the sexually dimorphic preoptic/anterior hypothalamic area of male and female ferrets. <i>Journal of Comparative Neurology</i> , 1992, 323, 577-585.	1.6	41
25	Neurogenesis and cell migration into the sexually dimorphic preoptic area/anterior hypothalamus of the fetal ferret. , 1996, 30, 315-328.		41
26	DREADD-Induced Silencing of the Medial Olfactory Tubercle Disrupts the Preference of Female Mice for Opposite-Sex Chemosignals. <i>ENeuro</i> , 2015, 2, ENEURO.0078-15.2015.	1.9	41
27	Effect of Sex, Intrauterine Position and Androgen Manipulation on the Development of Brain Aromatase Activity in Fetal Ferrets. <i>Journal of Neuroendocrinology</i> , 1989, 1, 265-271.	2.6	40
28	The Ferret's vomeronasal organ and accessory olfactory bulb: Effect of hormone manipulation in adult males and females. <i>The Anatomical Record</i> , 2001, 263, 280-288.	1.8	37
29	Contribution of pheromones processed by the main olfactory system to mate recognition in female mammals. <i>Frontiers in Neuroanatomy</i> , 2012, 6, 20.	1.7	37
30	Telencephalic and diencephalic origin of radial glial processes in the developing preoptic area/anterior hypothalamus. <i>Journal of Neurobiology</i> , 1995, 26, 75-86.	3.6	31
31	Optogenetic Activation of Accessory Olfactory Bulb Input to the Forebrain Differentially Modulates Investigation of Opposite versus Same-Sex Urinary Chemosignals and Stimulates Mating in Male Mice. <i>ENeuro</i> , 2017, 4, ENEURO.0010-17.2017.	1.9	30
32	Sex difference and steroidal stimulation of galanin immunoreactivity in the ferret's dorsal preoptic area/anterior hypothalamus. , 1997, 389, 277-288.		29
33	A comparison of the effects of male pheromone priming and optogenetic inhibition of accessory olfactory bulb forebrain inputs on the sexual behavior of estrous female mice. <i>Hormones and Behavior</i> , 2017, 89, 104-112.	2.1	28
34	The Temporal Pattern of Mating-Induced Immediate-Early Gene Product Immunoreactivity in LHRH and Non-LHRH Neurons of the Estrous Ferret Forebrain. <i>Journal of Neuroendocrinology</i> , 1996, 8, 345-359.	2.6	27
35	<sc>DREADD</sc>-induced silencing of the medial amygdala reduces the preference for male pheromones and the expression of lordosis in estrous female mice. <i>European Journal of Neuroscience</i> , 2017, 46, 2035-2046.	2.6	27
36	Hormone-dependent medial preoptic/lumbar spinal cord/autonomic coordination supporting male sexual behaviors. <i>Molecular and Cellular Endocrinology</i> , 2018, 467, 21-30.	3.2	27

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37	Sexually Dimorphic Processing of Somatosensory and Chemosensory Inputs to Forebrain Luteinizing Hormone-Releasing Hormone Neurons in Mated Ferrets. <i>Endocrinology</i> , 1997, 138, 1121-1129.	2.8	26
38	Vaginal Stimulation of Ferrets Induces Release of Luteinizing Hormone-Releasing Hormone. <i>Journal of Neuroendocrinology</i> , 1991, 3, 29-36.	2.6	22
39	Sexually Dimorphic Activation of Midbrain Tyrosine Hydroxylase Neurons after Mating or Exposure to Chemosensory Cues in the Ferret. <i>Biology of Reproduction</i> , 1997, 56, 1407-1414.	2.7	20
40	6-Hydroxydopamine lesions of the anteromedial ventral striatum impair opposite-sex urinary odor preference in female mice. <i>Behavioural Brain Research</i> , 2014, 274, 243-247.	2.2	19
41	Sex differences in main olfactory system pathways involved in psychosexual function. <i>Genes, Brain and Behavior</i> , 2020, 19, e12618.	2.2	19
42	Cell death in the sexually dimorphic dorsal preoptic area/anterior hypothalamus of perinatal male and female ferrets. <i>Journal of Neurobiology</i> , 1998, 34, 242-252.	3.6	16
43	A quantitative comparison of the efferent projections of the anterior and posterior subdivisions of the medial amygdala in female mice. <i>Brain Research</i> , 2014, 1543, 101-108.	2.2	13
44	Effect of Ovarian Hormones and Mating Experience on the Preference of Female Mice to Investigate Male Urinary Pheromones. <i>Chemical Senses</i> , 2018, 43, 97-104.	2.0	13
45	New Evidence that an Epigenetic Mechanism Mediates Testosterone-Dependent Brain Masculinization. <i>Endocrinology</i> , 2009, 150, 3980-3982.	2.8	8
46	Interactions between the mammalian main and accessory olfactory systems. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 45.	1.7	5
47	Reconsidering Prenatal Hormonal Influences on Human Sexual Orientation: Lessons from Animal Research. <i>Archives of Sexual Behavior</i> , 2017, 46, 1601-1605.	1.9	5
48	Evidence That a Sex Difference in Neonatal DNA Methylation Organizes Two Distinct Phenotypic Characteristics of Neurons in the Murine Forebrain. <i>Endocrinology</i> , 2017, 158, 1569-1571.	2.8	1
49	Cell death in the sexually dimorphic dorsal preoptic area/anterior hypothalamus of perinatal male and female ferrets. , 1998, 34, 242.		1