Michael J Baum

List of Publications by Year
in descending order

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	Sex differences in main olfactory system pathways involved in psychosexual function. Genes, Brain and Behavior, 2020, 19, e12618.	2.2	19
2	Effect of Ovarian Hormones and Mating Experience on the Preference of Female Mice to Investigate Male Urinary Pheromones. Chemical Senses, 2018, 43, 97-104.	2.0	13
3	Hormone-dependent medial preoptic/lumbar spinal cord/autonomic coordination supporting male sexual behaviors. Molecular and Cellular Endocrinology, 2018, 467, 21-30.	3.2	27
4	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. Hormones and Behavior, 2017, 89, 104-112.	2.1	28
5	Reconsidering Prenatal Hormonal Influences on Human Sexual Orientation: Lessons from Animal Research. Archives of Sexual Behavior, 2017, 46, 1601-1605.	1.9	5
6	Evidence That a Sex Difference in Neonatal DNA Methylation Organizes Two Distinct Phenotypic Characteristics of Neurons in the Murine Forebrain. Endocrinology, 2017, 158, 1569-1571.	2.8	1
7	<scp>DREADD</scp>â€induced silencing of the medial amygdala reduces the preference for male pheromones and the expression of lordosis in estrous female mice. European Journal of Neuroscience, 2017, 46, 2035-2046.	2.6	27
8	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. ENeuro, 2017, 4, ENEURO.0010-17.2017.	1.9	30
9	DREADD-Induced Silencing of the Medial Olfactory Tubercle Disrupts the Preference of Female Mice for Opposite-Sex Chemosignals. ENeuro, 2015, 2, ENEURO.0078-15.2015.	1.9	41
10	Processing by the main olfactory system of chemosignals that facilitate mammalian reproduction. Hormones and Behavior, 2015, 68, 53-64.	2.1	63
11	Interactions between the mammalian main and accessory olfactory systems. Frontiers in Neuroanatomy, 2014, 8, 45.	1.7	5
12	6-Hydroxydopamine lesions of the anteromedial ventral striatum impair opposite-sex urinary odor preference in female mice. Behavioural Brain Research, 2014, 274, 243-247.	2.2	19
13	A quantitative comparison of the efferent projections of the anterior and posterior subdivisions of the medial amygdala in female mice. Brain Research, 2014, 1543, 101-108.	2.2	13
14	Roles of sex and gonadal steroids in mammalian pheromonal communication. Frontiers in Neuroendocrinology, 2013, 34, 268-284.	5.2	48
15	Contribution of pheromones processed by the main olfactory system to mate recognition in female mammals. Frontiers in Neuroanatomy, 2012, 6, 20.	1.7	37
16	Disruption of urinary odor preference and lordosis behavior in female mice given lesions of the medial amygdala. Physiology and Behavior, 2012, 105, 554-559.	2.1	49
17	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. Chemical Senses, 2011, 36, 251-260.	2.0	64
18	The Development of Female Sexual Behavior Requires Prepubertal Estradiol. Journal of Neuroscience, 2011, 31, 5574-5578.	3.6	100

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19	Adult Testosterone Treatment But Not Surgical Disruption of Vomeronasal Function Augments Male-Typical Sexual Behavior in Female Mice. Journal of Neuroscience, 2009, 29, 7658-7666.	3.6	49
20	A direct main olfactory bulb projection to the â€˜vomeronasalâ€™ amygdala in female mice selectively responds to volatile pheromones from males. European Journal of Neuroscience, 2009, 29, 624-634.	2.6	188
21	Sexual differentiation of pheromone processing: Links to male-typical mating behavior and partner preference. Hormones and Behavior, 2009, 55, 579-588.	2.1	59
22	Complementary Roles of the Main and Accessory Olfactory Systems in Mammalian Mate Recognition. Annual Review of Physiology, 2009, 71, 141-160.	13.1	119
23	New Evidence that an Epigenetic Mechanism Mediates Testosterone-Dependent Brain Masculinization. Endocrinology, 2009, 150, 3980-3982.	2.8	8
24	Role for estradiol in female-typical brain and behavioral sexual differentiation. Frontiers in Neuroendocrinology, 2008, 29, 1-16.	5.2	163
25	Mammalian animal models of psychosexual differentiation: When is â€˜translationâ€™ to the human situation possible?. Hormones and Behavior, 2006, 50, 579-588.	2.1	75
26	The vomeronasal organ is required for the expression of lordosis behaviour, but not sex discrimination in female mice. European Journal of Neuroscience, 2006, 23, 521-530.	2.6	131
27	Destruction of the Main Olfactory Epithelium Reduces Female Sexual Behavior and Olfactory Investigation in Female Mice. Chemical Senses, 2006, 31, 315-323.	2.0	120
28	Olfactory Sex Discrimination Persists, Whereas the Preference for Urinary Odorants from Estrous Females Disappears in Male Mice after Vomeronasal Organ Removal. Journal of Neuroscience, 2004, 24, 9451-9457.	3.6	199
29	Activational and organizational effects of estradiol on male behavioral neuroendocrine function. Scandinavian Journal of Psychology, 2003, 44, 213-220.	1.5	53
30	Selective ablation of olfactory receptor neurons without functional impairment of vomeronasal receptor neurons in OMP-ntr transgenic mice. European Journal of Neuroscience, 2002, 16, 2317-2323.	2.6	42
31	Sex Difference and Steroid Modulation of Pheromone-Induced Immediate Early Genes in the Two Zones of the Mouse Accessory Olfactory System. Journal of Neuroscience, 2001, 21, 2474-2480.	3.6	101
32	The Ferret's vomeronasal organ and accessory olfactory bulb: Effect of hormone manipulation in adult males and females. The Anatomical Record, 2001, 263, 280-288.	1.8	37
33	Urinary odour preferences in mice. Nature, 2001, 409, 783-784.	27.8	112
34	Cell death in the sexually dimorphic dorsal preoptic area/anterior hypothalamus of perinatal male and female ferrets. Journal of Neurobiology, 1998, 34, 242-252.	3.6	16
35	Cell death in the sexually dimorphic dorsal preoptic area/anterior hypothalamus of perinatal male and female ferrets. , 1998, 34, 242.		1
36	Sexually Dimorphic Activation of Midbrain Tyrosine Hydroxylase Neurons after Mating or Exposure to Chemosensory Cues in the Ferret1. Biology of Reproduction, 1997, 56, 1407-1414.	2.7	20

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37	Sexually Dimorphic Processing of Somatosensory and Chemosensory Inputs to Forebrain Luteinizing Hormone-Releasing Hormone Neurons in Mated Ferrets*. Endocrinology, 1997, 138, 1121-1129.	2.8	58
38	Sex difference and steroidal stimulation of galanin immunoreactivity in the ferret's dorsal preoptic area/anterior hypothalamus. , 1997, 389, 277-288.		29
39	Sexually Dimorphic Processing of Somatosensory and Chemosensory Inputs to Forebrain Luteinizing Hormone-Releasing Hormone Neurons in Mated Ferrets. Endocrinology, 1997, 138, 1121-1129.	2.8	26
40	Neurogenesis and cell migration into the sexually dimorphic preoptic area/anterior hypothalamus of the fetal ferret. , 1996, 30, 315-328.		41
41	The Temporal Pattern of Mating-Induced Immediate-Early Gene Product Immunoreactivity in LHRH and Non-LHRH Neurons of the Estrous Ferret Forebrain. Journal of Neuroendocrinology, 1996, 8, 345-359.	2.6	27
42	Telencephalic and diencephalic origin of radial glial processes in the developing preoptic area/anterior hypothalamus. Journal of Neurobiology, 1995, 26, 75-86.	3.6	31
43	Effects of sex and androgen treatment on dendritic dimensions of neurons in the sexually dimorphic preoptic/anterior hypothalamic area of male and female ferrets. Journal of Comparative Neurology, 1992, 323, 577-585.	1.6	41
44	Vaginocervical Stimulation of Ferrets Induces Release of Luteinizing Hormone-Releasing Hormone. Journal of Neuroendocrinology, 1991, 3, 29-36.	2.6	22
45	Prenatal and neonatal testosterone exposure interact to affect differentiation of sexual behavior and partner preference in female ferrets.. Behavioral Neuroscience, 1990, 104, 183-198.	1.2	75
46	Ontogeny of the sexually dimorphic male nucleus in the preoptic / anterior hypothalamus of ferrets and its manipulation by gonadal steroids. Journal of Neurobiology, 1990, 21, 844-857.	3.6	46
47	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. Brain Research, 1990, 522, 191-203.	2.2	72
48	Effect of Sex, Intrauterine Position and Androgen Manipulation on the Development of Brain Aromatase Activity in Fetal Ferrets. Journal of Neuroendocrinology, 1989, 1, 265-271.	2.6	40
49	Differentiation in Male Ferrets of a Sexually Dimorphic Nucleus of the Preoptic/Anterior Hypothalamic Area Requires Prenatal Estrogen. Neuroendocrinology, 1986, 44, 299-308.	2.5	97