Zuoxin Wang

List of Publications by Year
in descending order

114 papers	11,410 citations	26567 56 h-index	29081 104 g-index
116 all docs	116 docs citations	116 times ranked	5695 citing authors

#	Article	IF	Citations
1	The neurobiology of pair bonding. Nature Neuroscience, 2004, 7, 1048-1054.	7.1	1,347
2	Oxytocin is required for nursing but is not essential for parturition or reproductive behavior.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 11699-11704.	3.3	657
3	Enhanced partner preference in a promiscuous species by manipulating the expression of a single gene. Nature, 2004, 429, 754-757.	13.7	598
4	Nucleus accumbens dopamine differentially mediates the formation and maintenance of monogamous pair bonds. Nature Neuroscience, 2006, 9, 133-139.	7.1	386
5	Role of septal vasopressin innervation in paternal behavior in prairie voles (Microtus ochrogaster).. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 400-404.	3.3	333
6	Dopamine D2 receptors in the nucleus accumbens are important for social attachment in female prairie voles (Microtus ochrogaster).. Behavioral Neuroscience, 2000, 114, 173-183.	0.6	317
7	The neurobiology of pair bonding: Insights from a socially monogamous rodent. Frontiers in Neuroendocrinology, 2011, 32, 53-69.	2.5	307
8	A Critical Role for Nucleus Accumbens Dopamine in Partner-Preference Formation in Male Prairie Voles. Journal of Neuroscience, 2003, 23, 3483-3490.	1.7	293
9	Neuroendocrine bases of monogamy. Trends in Neurosciences, 1998, 21, 71-75.	4.2	284
10	Hypothalamic Oxytocin Mediates Social Buffering of the Stress Response. Biological Psychiatry, 2014, 76, 281-288.	0.7	279
11	Vasopressin in the lateral septum regulates pair bond formation in male prairie voles (Microtus) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	218
12	Dopamine D2 receptor-mediated regulation of partner preferences in female prairie voles (Microtus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	193
13	Dopamine, oxytocin, and vasopressin receptor binding in the medial prefrontal cortex of monogamous and promiscuous voles. Neuroscience Letters, 2006, 394, 146-151.	1.0	190
14	The effects of social environment on adult neurogenesis in the female prairie vole. Journal of Neurobiology, 2002, 51, 115-128.	3.7	182
15	Sex differences in the effects of testosterone and its metabolites on vasopressin messenger RNA levels in the bed nucleus of the stria terminalis of rats. Journal of Neuroscience, 1994, 14, 1789-1794.	1.7	179
16	Sex and species differences in the effects of cohabitation on vasopressin messenger RNA expression in the bed nucleus of the stria terminalis in prairie voles (Microtus ochrogaster) and meadow voles (Microtus pennsylvanicus). Brain Research, 1994, 650, 212-218.	1.1	166
17	Sexual and social experience is associated with different patterns of behavior and neural activation in male prairie voles. Brain Research, 1997, 767, 321-332.	1.1	161
18	Anterior hypothalamic vasopressin regulates pair-bonding and drug-induced aggression in a monogamous rodent. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19144-19149.	3.3	157

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19	Immunoreactivity of central vasopressin and oxytocin pathways in microtine rodents: A quantitative comparative study. Journal of Comparative Neurology, 1996, 366, 726-737.	0.9	154
20	Anterior hypothalamic neural activation and neurochemical associations with aggression in pair-bonded male prairie voles. Journal of Comparative Neurology, 2007, 502, 1109-1122.	0.9	150
21	Testosterone effects on paternal behavior and vasopressin immunoreactive projections in prairie voles (Microtus ochrogaster). Brain Research, 1993, 631, 156-160.	1.1	145
22	The neurobiology of social attachment: A comparative approach to behavioral, neuroanatomical, and neurochemical studies. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2008, 148, 401-410.	1.3	141
23	Dopamine D2 receptors in the nucleus accumbens are important for social attachment in female prairie voles (Microtus ochrogaster). Behavioral Neuroscience, 2000, 114, 173-83.	0.6	140
24	Vasopressin in the lateral septum regulates pair bond formation in male prairie voles (Microtus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	0.6	134
25	Histone deacetylase inhibitors facilitate partner preference formation in female prairie voles. Nature Neuroscience, 2013, 16, 919-924.	7.1	117
26	Hippocampal adult neurogenesis: Its regulation and potential role in spatial learning and memory. Brain Research, 2016, 1644, 127-140.	1.1	117
27	Increased Number of BrdU-Labeled Neurons in the Rostral Migratory Stream of the Estrous Prairie Vole. Hormones and Behavior, 2001, 39, 11-21.	1.0	115
28	Species differences in vasopressin receptor binding are evident early in development: Comparative anatomic studies in prairie and montane voles. Journal of Comparative Neurology, 1997, 378, 535-546.	0.9	112
29	Voles and vasopressin: A review of molecular, cellular, and behavioral studies of pair bonding and paternal behaviors. Progress in Brain Research, 1999, 119, 483-499.	0.9	112
30	Neurochemical regulation of pair bonding in male prairie voles. Physiology and Behavior, 2004, 83, 319-328.	1.0	111
31	Influence of the social environment on parental behavior and pup development of meadow voles (Microtus pennsylvanicus) and prairie voles (M. Ochrogaster).. Journal of Comparative Psychology (Washington, D C: 1983), 1992, 106, 163-171.	0.3	110
32	Sexual differentiation of vasopressin projections of the bed nucleus of the stria terminals and medial amygdaloid nucleus in rats.. Endocrinology, 1993, 132, 2299-2306.	1.4	109
33	Social isolation impairs adult neurogenesis in the limbic system and alters behaviors in female prairie voles. Hormones and Behavior, 2012, 62, 357-366.	1.0	102
34	Breaking bonds in male prairie vole: Long-term effects on emotional and social behavior, physiology, and neurochemistry. Behavioural Brain Research, 2014, 265, 22-31.	1.2	99
35	Species Differences in Central Oxytocin Receptor Gene Expression: Comparative Analysis of Promoter Sequences. Journal of Neuroendocrinology, 1996, 8, 777-783.	1.2	96
36	Dopamine regulation of social choice in a monogamous rodent species. Frontiers in Behavioral Neuroscience, 2009, 3, 15.	1.0	93

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37	The role of mesocorticolimbic dopamine in regulating interactions between drugs of abuse and social behavior. Neuroscience and Biobehavioral Reviews, 2011, 35, 498-515.	2.9	92
38	Social Bonding Decreases the Rewarding Properties of Amphetamine through a Dopamine D1 Receptor-Mediated Mechanism. Journal of Neuroscience, 2011, 31, 7960-7966.	1.7	92
39	Estrogen regulation of cell proliferation and distribution of estrogen receptor-Î± in the brains of adult female prairie and meadow voles. Journal of Comparative Neurology, 2005, 489, 166-179.	0.9	87
40	Dopamine D2 receptor-mediated regulation of partner preferences in female prairie voles (Microtus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	87
41	The Prairie Vole (Microtus ochrogaster): An Animal Model for Behavioral Neuroendocrine Research on Pair Bonding. ILAR Journal, 2004, 45, 35-45.	1.8	86
42	Nucleus accumbens dopamine mediates amphetamine-induced impairment of social bonding in a monogamous rodent species. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1217-1222.	3.3	86
43	Post-weaning social isolation alters anxiety-related behavior and neurochemical gene expression in the brain of male prairie voles. Neuroscience Letters, 2009, 454, 67-71.	1.0	83
44	Local oxytocin tempers anxiety by activating GABAA receptors in the hypothalamic paraventricular nucleus. Psychoneuroendocrinology, 2016, 63, 50-58.	1.3	83
45	Lesions of the vomeronasal organ disrupt mating-induced pair bonding in female prairie voles (Microtus ochrogaster). Brain Research, 2001, 901, 167-174.	1.1	82
46	CRF receptors in the nucleus accumbens modulate partner preference in prairie voles. Hormones and Behavior, 2007, 51, 508-515.	1.0	81
47	Estrogen and adult neurogenesis in the amygdala and hypothalamus. Brain Research Reviews, 2008, 57, 342-351.	9.1	80
48	Species differences in the vasopressin-immunoreactive pathways in the bed nucleus of the stria terminalis and medial amygdaloid nucleus in prairie voles (Microtus ochrogaster) and meadow voles (Microtus pennsylvanicus).. Behavioral Neuroscience, 1995, 109, 305-311.	0.6	79
49	Oxytocin Reverses Amphetamine-Induced Deficits in Social Bonding: Evidence for an Interaction with Nucleus Accumbens Dopamine. Journal of Neuroscience, 2014, 34, 8499-8506.	1.7	79
50	Alloparental care and the influence of father presence on juvenile prairie voles, Microtus ochrogaster. Animal Behaviour, 1994, 47, 281-288.	0.8	73
51	Newly proliferated cells in the adult male amygdala are affected by gonadal steroid hormones. Journal of Neurobiology, 2003, 57, 257-269.	3.7	71
52	Molecular Aspects of Monogamy. Annals of the New York Academy of Sciences, 1997, 807, 302-316.	1.8	69
53	Salubrious effects of oxytocin on social stress-induced deficits. Hormones and Behavior, 2012, 61, 320-330.	1.0	69
54	Dopamine and monogamy. Brain Research, 2006, 1126, 76-90.	1.1	68

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55	Species differences in anxiety-related responses in male prairie and meadow voles: The effects of social isolation. Physiology and Behavior, 2005, 86, 369-378.	1.0	67
56	The neurobiology of pair bond formation, bond disruption, and social buffering. Current Opinion in Neurobiology, 2016, 40, 8-13.	2.0	65
57	Expression and estrogen regulation of brain-derived neurotrophic factor gene and protein in the forebrain of female prairie voles. Journal of Comparative Neurology, 2001, 433, 499-514.	0.9	61
58	The Social Environment and Neurogenesis in the Adult Mammalian Brain. Frontiers in Human Neuroscience, 2012, 6, 118.	1.0	58
59	Forebrain c-fos expression under conditions conducive to pair bonding in female prairie voles (Microtus ochrogaster). Physiology and Behavior, 2003, 80, 95-101.	1.0	56
60	Ventral tegmental area involvement in pair bonding in male prairie voles. Physiology and Behavior, 2005, 86, 338-346.	1.0	56
61	Social bonding: regulation by neuropeptides. Frontiers in Neuroscience, 2014, 8, 171.	1.4	56
62	Ontogeny of oxytocin and vasopressin receptor binding in the lateral septum in prairie and montane voles. Developmental Brain Research, 1997, 104, 191-195.	2.1	47
63	Agonistic encounters and brain activation in dominant and subordinate male greater long-tailed hamsters. Hormones and Behavior, 2010, 58, 478-484.	1.0	47
64	Fatherhood reduces the survival of adultâ€generated cells and affects various types of behavior in the prairie vole (<scp>M</scp>icrotus ochrogasterÂ). European Journal of Neuroscience, 2013, 38, 3345-3355.	1.2	46
65	Neuropeptidergic regulation of pair-bonding and stress buffering: Lessons from voles. Hormones and Behavior, 2015, 76, 91-105.	1.0	46
66	Sex and species differences in tyrosine hydroxylase-synthesizing cells of the rodent olfactory extended amygdala. Journal of Comparative Neurology, 2007, 500, 103-115.	0.9	43
67	Paternal deprivation affects social behaviors and neurochemical systems in the offspring of socially monogamous prairie voles. Neuroscience, 2017, 343, 284-297.	1.1	42
68	Social isolation alters behavior, the gut-immune-brain axis, and neurochemical circuits in male and female prairie voles. Neurobiology of Stress, 2020, 13, 100278.	1.9	42
69	Amphetamine reward in the monogamous prairie vole. Neuroscience Letters, 2007, 418, 190-194.	1.0	41
70	Species differences in vasopressin receptor binding are evident early in development: comparative anatomic studies in prairie and montane voles. Journal of Comparative Neurology, 1997, 378, 535-46.	0.9	40
71	Neuropeptide Regulation of Social Attachment: The Prairie Vole Model. , 2016, 7, 81-104.		39
72	Neurochemical Mediation of Affiliation and Aggression Associated With Pair-Bonding. Biological Psychiatry, 2017, 81, 231-242.	0.7	36

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73	Species differences in the vasopressin-immunoreactive pathways in the bed nucleus of the stria terminalis and medial amygdaloid nucleus in prairie voles (Microtus ochrogaster) and meadow voles (Microtus pennsylvanicus). Behavioral Neuroscience, 1995, 109, 305-11.	0.6	36
74	The ties that bond: neurochemistry of attachment in voles. Current Opinion in Neurobiology, 2016, 38, 80-88.	2.0	35
75	Opposing Regulation of Pair Bond Formation by cAMP Signaling within the Nucleus Accumbens Shell. Journal of Neuroscience, 2007, 27, 13352-13356.	1.7	34
76	Behavioral and physiological responses of female prairie voles (Microtus ochrogaster) to various stressful conditions. Stress, 2013, 16, 531-539.	0.8	32
77	Parental Behavior in Voles. Advances in the Study of Behavior, 1996, , 361-384.	1.0	31
78	Differential effects of intraspecific interactions on the striatal dopamine system in social and non-social voles. Neuroscience, 2003, 118, 1165-1173.	1.1	30
79	Behavioral and Neurochemical Investigation of Circadian Time-Place Learning in the Rat. Journal of Biological Rhythms, 2002, 17, 330-344.	1.4	29
80	The Neurochemistry of Pair Bonding. Current Directions in Psychological Science, 2003, 12, 49-53.	2.8	27
81	Trichostatin A (TSA) facilitates formation of partner preference in male prairie voles (Microtus) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.0	27
82	Developmental exposure to a serotonin agonist produces subsequent behavioral and neurochemical changes in the adult male prairie vole. Physiology and Behavior, 2012, 105, 529-535.	1.0	25
83	Oxytocin and vasopressin immunoreactive staining in the brains of Brandt's voles (Lasiopodomys) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	24
84	Anxiety-like behavior and neuropeptide receptor expression in male and female prairie voles: The effects of stress and social buffering. Behavioural Brain Research, 2018, 342, 70-78.	1.2	24
85	Glucocorticoid receptor involvement in pair bonding in female prairie voles: The effects of acute blockade and interactions with central dopamine reward systems. Neuroscience, 2005, 134, 369-376.	1.1	23
86	Genetics of Aggression in Voles. Advances in Genetics, 2011, 75, 121-150.	0.8	23
87	Amphetamine alters behavior and mesocorticolimbic dopamine receptor expression in the monogamous female prairie vole. Brain Research, 2011, 1367, 213-222.	1.1	21
88	Consequences of prenatal exposure to valproic acid in the socially monogamous prairie voles. Scientific Reports, 2019, 9, 2453.	1.6	18
89	Species Differences in the Immunoreactive Expression of Oxytocin, Vasopressin, Tyrosine Hydroxylase and Estrogen Receptor Alpha in the Brain of Mongolian Gerbils (Meriones unguiculatus) and Chinese Striped Hamsters (Cricetulus barabensis). PLoS ONE, 2013, 8, e65807.	1.1	17
90	Amphetamine effects in microtine rodents: A comparative study using monogamous and promiscuous vole species. Neuroscience, 2007, 148, 857-866.	1.1	16

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91	Effects of pair bonding on parental behavior and dopamine activity in the nucleus accumbens in male prairie voles. European Journal of Neuroscience, 2017, 46, 2276-2284.	1.2	16
92	Food hoarding and associated neuronal activation in brain reward circuitry in Mongolian gerbils. Physiology and Behavior, 2011, 104, 429-436.	1.0	14
93	Scatter hoarding and hippocampal cell proliferation in Siberian chipmunks. Neuroscience, 2013, 255, 76-85.	1.1	14
94	Transcriptomic Regulations Underlying Pair-bond Formation and Maintenance in the Socially Monogamous Male and Female Prairie Vole. Biological Psychiatry, 2020, 91, 141-151.	0.7	14
95	Densityâ€induced social stress alters oxytocin and vasopressin activities in the brain of a small rodent species. Integrative Zoology, 2021, 16, 149-159.	1.3	14
96	Hormonal Regulation of Mammalian Adult Neurogenesis: A Multifaceted Mechanism. Biomolecules, 2020, 10, 1151.	1.8	13
97	The ventromedial hypothalamic circuitry and male alloparental behaviour in a socially monogamous rodent species. European Journal of Neuroscience, 2019, 50, 3689-3701.	1.2	12
98	Aggressive behavior and brain neuronal activation in sexually naÃ¯ve male Mongolian gerbils. Behavioural Brain Research, 2020, 378, 112276.	1.2	12
99	Ontogeny of brain-derived neurotrophic factor gene expression in the forebrain of prairie and montane voles. Developmental Brain Research, 2001, 127, 51-61.	2.1	11
100	Social defeat and subsequent isolation housing affect behavior as well as cell proliferation and cell survival in the brains of male greater long-tailed hamsters. Neuroscience, 2014, 265, 226-237.	1.1	10
101	Population variation alters aggression-associated oxytocin and vasopressin expressions in brains of Brandtâ€™s voles in field conditions. Frontiers in Zoology, 2021, 18, 56.	0.9	10
102	Differential Fos Expression Following Microinjection of Oxytocin or Vasopressin in the Prairie Vole Brain. Annals of the New York Academy of Sciences, 1997, 807, 504-505.	1.8	9
103	Increased Feeding and Food Hoarding following Food Deprivation Are Associated with Activation of Dopamine and Orexin Neurons in Male Brandt's Voles. PLoS ONE, 2011, 6, e26408.	1.1	9
104	Species differences in behavior and cell proliferation/survival in the adult brains of female meadow and prairie voles. Neuroscience, 2016, 315, 259-270.	1.1	7
105	Regulation of social behaviors by p-Stat3 via oxytocin and its receptor in the nucleus accumbens of male Brandt's voles (Lasiopodomys brandtii). Hormones and Behavior, 2020, 119, 104638.	1.0	7
106	Expression of Oestrogen Receptor Î± in the Brain of Brandtâ€™s Voles (Lasiopodomys brandtiiâ€Š): Sex Differences and Variations During Ovarian Cycles. Journal of Neuroendocrinology, 2011, 23, 926-932.	1.2	5
107	Behavioral, neurochemical, and neuroimmune changes associated with social buffering and stress contagion. Neurobiology of Stress, 2022, 16, 100427.	1.9	5
108	Neonatal exposure to amphetamine alters social affiliation and central dopamine activity in adult male prairie voles. Neuroscience, 2015, 307, 109-116.	1.1	4

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109	Post-weaning Social Isolation in Male and Female Prairie Voles: Impacts on Central and Peripheral Immune System. Frontiers in Behavioral Neuroscience, 2021, 15, 802569.	1.0	4
110	Amphetamine exposure alters behaviors, and neuronal and neurochemical activation in the brain of female prairie voles. Neuroscience, 2022, 498, 73-84.	1.1	3
111	Agonistic behaviors and neuronal activation in sexually naÃ¯ve female Mongolian gerbils. Behavioural Brain Research, 2020, 395, 112860.	1.2	2
112	The Neurobiology of Social Attachment. , 2013, , 1112-1126.		2
113	Dopamine Regulation of Pair Bonding in Monogamous Prairie Voles. , 2008, , 347-360.		1
114	The Neurobiological Influence of Stress in the Vole Pair Bond. , 2018, , 79-91.		0