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	Behavioral, neurochemical, and neuroimmune changes associated with social buffering and stress contagion. Neurobiology of Stress, 2022, 16, 100427.	1.9	5
2	Amphetamine exposure alters behaviors, and neuronal and neurochemical activation in the brain of female prairie voles. Neuroscience, 2022, 498, 73-84.	1.1	3
3	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
4	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
5	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
6	Aggressive behavior and brain neuronal activation in sexually naÃ¯ve male Mongolian gerbils. Behavioural Brain Research, 2020, 378, 112276.	1.2	12
7	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
8	Agonistic behaviors and neuronal activation in sexually naÃ¯ve female Mongolian gerbils. Behavioural Brain Research, 2020, 395, 112860.	1.2	2
9	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
10	Hormonal Regulation of Mammalian Adult Neurogenesis: A Multifaceted Mechanism. Biomolecules, 2020, 10, 1151.	1.8	13
11	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
12	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
13	Consequences of prenatal exposure to valproic acid in the socially monogamous prairie voles. Scientific Reports, 2019, 9, 2453.	1.6	18
14	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
15	The Neurobiological Influence of Stress in the Vole Pair Bond. , 2018, , 79-91.		0
16	Neurochemical Mediation of Affiliation and Aggression Associated With Pair-Bonding. Biological Psychiatry, 2017, 81, 231-242.	0.7	36
17	Paternal deprivation affects social behaviors and neurochemical systems in the offspring of socially monogamous prairie voles. Neuroscience, 2017, 343, 284-297.	1.1	42
18	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

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19	Neuropeptide Regulation of Social Attachment: The Prairie Vole Model. , 2016, 7, 81-104.		39
20	The ties that bond: neurochemistry of attachment in voles. Current Opinion in Neurobiology, 2016, 38, 80-88.	2.0	35
21	Hippocampal adult neurogenesis: Its regulation and potential role in spatial learning and memory. Brain Research, 2016, 1644, 127-140.	1.1	117
22	Trichostatin A (TSA) facilitates formation of partner preference in male prairie voles (Microtus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.0	27
23	The neurobiology of pair bond formation, bond disruption, and social buffering. Current Opinion in Neurobiology, 2016, 40, 8-13.	2.0	65
24	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
25	Local oxytocin tempers anxiety by activating GABAA receptors in the hypothalamic paraventricular nucleus. Psychoneuroendocrinology, 2016, 63, 50-58.	1.3	83
26	Neonatal exposure to amphetamine alters social affiliation and central dopamine activity in adult male prairie voles. Neuroscience, 2015, 307, 109-116.	1.1	4
27	Neuropeptidergic regulation of pair-bonding and stress buffering: Lessons from voles. Hormones and Behavior, 2015, 76, 91-105.	1.0	46
28	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
29	Hypothalamic Oxytocin Mediates Social Buffering of the Stress Response. Biological Psychiatry, 2014, 76, 281-288.	0.7	279
30	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
31	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
32	Social bonding: regulation by neuropeptides. Frontiers in Neuroscience, 2014, 8, 171.	1.4	56
33	Fatherhood reduces the survival of adultâ€generated cells and affects various types of behavior in the prairie vole (<i><scp>M</scp>icrotus ochrogaster</i>Â). European Journal of Neuroscience, 2013, 38, 3345-3355.	1.2	46
34	Scatter hoarding and hippocampal cell proliferation in Siberian chipmunks. Neuroscience, 2013, 255, 76-85.	1.1	14
35	Histone deacetylase inhibitors facilitate partner preference formation in female prairie voles. Nature Neuroscience, 2013, 16, 919-924.	7.1	117
36	Behavioral and physiological responses of female prairie voles (<i>Microtus ochrogaster</i>) to various stressful conditions. Stress, 2013, 16, 531-539.	0.8	32

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37	The Neurobiology of Social Attachment. , 2013, , 1112-1126.		2
38	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
39	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
40	Salubrious effects of oxytocin on social stress-induced deficits. Hormones and Behavior, 2012, 61, 320-330.	1.0	69
41	The Social Environment and Neurogenesis in the Adult Mammalian Brain. Frontiers in Human Neuroscience, 2012, 6, 118.	1.0	58
42	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
43	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
44	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
45	Food hoarding and associated neuronal activation in brain reward circuitry in Mongolian gerbils. Physiology and Behavior, 2011, 104, 429-436.	1.0	14
46	The neurobiology of pair bonding: Insights from a socially monogamous rodent. Frontiers in Neuroendocrinology, 2011, 32, 53-69.	2.5	307
47	Amphetamine alters behavior and mesocorticolimbic dopamine receptor expression in the monogamous female prairie vole. Brain Research, 2011, 1367, 213-222.	1.1	21
48	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
49	Genetics of Aggression in Voles. Advances in Genetics, 2011, 75, 121-150.	0.8	23
50	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
51	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
52	Oxytocin and vasopressin immunoreactive staining in the brains of Brandt's voles (Lasiopodomys) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	24
53	Agonistic encounters and brain activation in dominant and subordinate male greater long-tailed hamsters. Hormones and Behavior, 2010, 58, 478-484.	1.0	47
54	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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55	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
56	Dopamine regulation of social choice in a monogamous rodent species. Frontiers in Behavioral Neuroscience, 2009, 3, 15.	1.0	93
57	Estrogen and adult neurogenesis in the amygdala and hypothalamus. Brain Research Reviews, 2008, 57, 342-351.	9.1	80
58	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
59	Dopamine Regulation of Pair Bonding in Monogamous Prairie Voles. , 2008, , 347-360.		1
60	Opposing Regulation of Pair Bond Formation by cAMP Signaling within the Nucleus Accumbens Shell. Journal of Neuroscience, 2007, 27, 13352-13356.	1.7	34
61	CRF receptors in the nucleus accumbens modulate partner preference in prairie voles. Hormones and Behavior, 2007, 51, 508-515.	1.0	81
62	Amphetamine effects in microtine rodents: A comparative study using monogamous and promiscuous vole species. Neuroscience, 2007, 148, 857-866.	1.1	16
63	Amphetamine reward in the monogamous prairie vole. Neuroscience Letters, 2007, 418, 190-194.	1.0	41
64	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
65	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
66	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
67	Nucleus accumbens dopamine differentially mediates the formation and maintenance of monogamous pair bonds. Nature Neuroscience, 2006, 9, 133-139.	7.1	386
68	Dopamine and monogamy. Brain Research, 2006, 1126, 76-90.	1.1	68
69	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
70	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
71	Ventral tegmental area involvement in pair bonding in male prairie voles. Physiology and Behavior, 2005, 86, 338-346.	1.0	56
72	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

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73	The Prairie Vole (Microtus ochrogaster): An Animal Model for Behavioral Neuroendocrine Research on Pair Bonding. ILAR Journal, 2004, 45, 35-45.	1.8	86
74	The neurobiology of pair bonding. Nature Neuroscience, 2004, 7, 1048-1054.	7.1	1,347
75	Enhanced partner preference in a promiscuous species by manipulating the expression of a single gene. Nature, 2004, 429, 754-757.	13.7	598
76	Neurochemical regulation of pair bonding in male prairie voles. Physiology and Behavior, 2004, 83, 319-328.	1.0	111
77	Newly proliferated cells in the adult male amygdala are affected by gonadal steroid hormones. Journal of Neurobiology, 2003, 57, 257-269.	3.7	71
78	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
79	Differential effects of intraspecific interactions on the striatal dopamine system in social and non-social voles. Neuroscience, 2003, 118, 1165-1173.	1.1	30
80	The Neurochemistry of Pair Bonding. Current Directions in Psychological Science, 2003, 12, 49-53.	2.8	27
81	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
82	Behavioral and Neurochemical Investigation of Circadian Time-Place Learning in the Rat. Journal of Biological Rhythms, 2002, 17, 330-344.	1.4	29
83	The effects of social environment on adult neurogenesis in the female prairie vole. Journal of Neurobiology, 2002, 51, 115-128.	3.7	182
84	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
85	Vasopressin in the lateral septum regulates pair bond formation in male prairie voles (Microtus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	218
86	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
87	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
88	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
89	Vasopressin in the lateral septum regulates pair bond formation in male prairie voles (Microtus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	134
90	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

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91	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
92	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
93	Dopamine D2 receptor-mediated regulation of partner preferences in female prairie voles (Microtus) Tj ETQq1 1 0.784314 rgBT /Overloc	0.6	193
94	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
95	Neuroendocrine bases of monogamy. Trends in Neurosciences, 1998, 21, 71-75.	4.2	284
96	Molecular Aspects of Monogamy. Annals of the New York Academy of Sciences, 1997, 807, 302-316.	1.8	69
97	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
98	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
99	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
100	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
101	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
102	Parental Behavior in Voles. Advances in the Study of Behavior, 1996, , 361-384.	1.0	31
103	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
104	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
105	Species Differences in Central Oxytocin Receptor Gene Expression: Comparative Analysis of Promoter Sequences. Journal of Neuroendocrinology, 1996, 8, 777-783.	1.2	96
106	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
107	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
108	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

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109	Alloparental care and the influence of father presence on juvenile prairie voles, Microtus ochrogaster. Animal Behaviour, 1994, 47, 281-288.	0.8	73
110	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
111	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
112	Testosterone effects on paternal behavior and vasopressin immunoreactive projections in prairie voles (Microtus ochrogaster). Brain Research, 1993, 631, 156-160.	1.1	145
113	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
114	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