

# G J De Vries

## List of Publications by Year in descending order

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123  
papers

14,590  
citations

16398

64  
h-index

20222

117  
g-index

132  
all docs

132  
docs citations

132  
times ranked

10323  
citing authors

#	ARTICLE	IF	CITATIONS
1	A vasopressin circuit that modulates mouse social investigation and anxiety-like behavior in a sex-specific manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2024, 121, .	7.6	1
2	Knockdown of sexually differentiated vasopressin expression in the bed nucleus of the stria terminalis reduces social and sexual behaviour in male, but not female, mice. <i>Journal of Neuroendocrinology</i> , 2022, 34, e13083.	2.6	13
3	Removal of vasopressin cells from the paraventricular nucleus of the hypothalamus enhances lipopolysaccharide-induced sickness behaviour in mice. <i>Journal of Neuroendocrinology</i> , 2021, 33, e12915.	2.6	5
4	Reduction in vasopressin cells in the suprachiasmatic nucleus in mice increases anxiety and alters fluid intake. <i>Hormones and Behavior</i> , 2021, 133, 104997.	2.1	11
5	Sexually dimorphic role of BNST vasopressin cells in sickness and social behavior in male and female mice. <i>Brain, Behavior, and Immunity</i> , 2020, 83, 68-77.	6.3	33
6	Sex and gender: modifiers of health, disease, and medicine. <i>Lancet</i> , The, 2020, 396, 565-582.	12.1	1,128
7	Associations of the Fecal Microbial Proteome Composition and Proneness to Diet-induced Obesity. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1864-1879.	3.9	19
8	Dietary emulsifiers consumption alters anxiety-like and social-related behaviors in mice in a sex-dependent manner. <i>Scientific Reports</i> , 2019, 9, 172.	3.4	63
9	Sexually Dimorphic Vasopressin Cells Modulate Social Investigation and Communication in Sex-Specific Ways. <i>ENeuro</i> , 2019, 6, ENEURO.0415-18.2019.	1.9	47
10	Dissociation of Puberty and Adolescent Social Development in a Seasonally Breeding Species. <i>Current Biology</i> , 2018, 28, 1116-1123.e2.	4.0	17
11	Steroids, stress and the gut microbiome-brain axis. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12548.	2.6	123
12	Vasopressin deletion is associated with sex-specific shifts in the gut microbiome. <i>Gut Microbes</i> , 2018, 9, 13-25.	10.6	27
13	Defining Dysbiosis in Disorders of Movement and Motivation. <i>Journal of Neuroscience</i> , 2018, 38, 9414-9422.	3.8	18
14	Effects of gut-derived endotoxin on anxiety-like and repetitive behaviors in male and female mice. <i>Biology of Sex Differences</i> , 2018, 9, 7.	4.2	28
15	Sexual Differentiation of the Brain: A Fresh Look at Mode, Mechanisms, and Meaning. , 2017, , 3-32.		24
16	Atypical Social Development in Vasopressin-Deficient Brattleboro Rats. <i>ENeuro</i> , 2016, 3, ENEURO.0150-15.2016.	1.9	27
17	Evaluating sex as a biological variable in preclinical research: the devil in the details. <i>Biology of Sex Differences</i> , 2016, 7, 13.	4.2	64
18	Sex differences in the brain: a whole body perspective. <i>Biology of Sex Differences</i> , 2015, 6, 15.	4.2	111

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19	Epigenetics and sex differences in the brain: A genome-wide comparison of histone-3 lysine-4 trimethylation (H3K4me3) in male and female mice. <i>Experimental Neurology</i> , 2015, 268, 21-29.	4.1	74
20	Sex inclusion in basic research drives discovery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5257-5258.	7.6	193
21	Sexual Differentiation of Brain and Behavior. , 2015, , 2109-2155.		3
22	Sexually dimorphic role for vasopressin in the development of social play. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 58.	2.1	47
23	NIH policy: Status quo is also costly. <i>Nature</i> , 2014, 510, 340-340.	36.2	25
24	The effects of perinatal testosterone exposure on the DNA methylome of the mouse brain are late-emerging. <i>Biology of Sex Differences</i> , 2014, 5, 8.	4.2	108
25	NIH initiative to balance sex of animals in preclinical studies: generative questions to guide policy, implementation, and metrics. <i>Biology of Sex Differences</i> , 2014, 5, 15.	4.2	101
26	Sensitive Periods for Hormonal Programming of the Brain. <i>Current Topics in Behavioral Neurosciences</i> , 2014, 16, 79-108.	0.0	16
27	Sensitive Periods for Hormonal Programming of the Brain. <i>Current Topics in Behavioral Neurosciences</i> , 2014, , 79-108.	0.0	17
28	Sex-specific modulation of juvenile social play by vasopressin. <i>Psychoneuroendocrinology</i> , 2013, 38, 2554-2561.	2.8	123
29	Site of origin of and sex differences in the vasopressin innervation of the mouse (<i>Mus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.0	96
30	Cell death atlas of the postnatal mouse ventral forebrain and hypothalamus: Effects of age and sex. <i>Journal of Comparative Neurology</i> , 2013, 521, 2551-2569.	2.0	58
31	Sex Differences in the Brain: The Not So Inconvenient Truth. <i>Journal of Neuroscience</i> , 2012, 32, 2241-2247.	3.8	597
32	Vasopressin regulates social recognition in juvenile and adult rats of both sexes, but in sex- and age-specific ways. <i>Hormones and Behavior</i> , 2012, 61, 50-56.	2.1	110
33	Sexually dimorphic effects of a prenatal immune challenge on social play and vasopressin expression in juvenile rats. <i>Biology of Sex Differences</i> , 2012, 3, 15.	4.2	74
34	Vasopressin and Oxytocin: Keys to Understanding the Neural Control of Physiology and Behaviour. <i>Journal of Neuroendocrinology</i> , 2012, 24, 527-527.	2.6	8
35	State-of-the art (Arnold) behavioral neuroendocrinology. <i>Hormones and Behavior</i> , 2011, 60, 1-3.	2.1	1
36	Effects of Neonatal Treatment with Valproic Acid on Vasopressin Immunoreactivity and Olfactory Behaviour in Mice. <i>Journal of Neuroendocrinology</i> , 2011, 23, 906-914.	2.6	27

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37	Vasopressin innervation of the mouse ( <i>Mus musculus</i> ) brain and spinal cord. <i>Journal of Comparative Neurology</i> , 2011, 519, 2434-2474.	2.0	118
38	Cell death and sexual differentiation of behavior: worms, flies, and mammals. <i>Current Opinion in Neurobiology</i> , 2010, 20, 776-783.	4.3	13
39	Epigenetic Control of Sexual Differentiation of the Bed Nucleus of the Stria Terminalis. <i>Endocrinology</i> , 2009, 150, 4241-4247.	2.8	155
40	Sex differences in the brain: The relation between structure and function. <i>Hormones and Behavior</i> , 2009, 55, 589-596.	2.1	203
41	The Epigenetics of Sex Differences in the Brain: Figure 1.. <i>Journal of Neuroscience</i> , 2009, 29, 12815-12823.	3.8	394
42	Absence of progesterin receptors alters distribution of vasopressin fibers but not sexual differentiation of vasopressin system in mice. <i>Neuroscience</i> , 2008, 154, 911-921.	2.4	27
43	Distribution of oxytocin in the brain of a eusocial rodent. <i>Neuroscience</i> , 2008, 155, 809-817.	2.4	76
44	Sex differences in vasopressin and oxytocin innervation of the brain. <i>Progress in Brain Research</i> , 2008, 170, 17-27.	3.9	147
45	Sexual Differentiation of Vasopressin Innervation of the Brain: Cell Death Versus Phenotypic Differentiation. <i>Endocrinology</i> , 2008, 149, 4632-4637.	2.8	33
46	Social control of brain morphology in a eusocial mammal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10548-10552.	7.6	83
47	Role of pregnancy and parturition in induction of maternal behavior in prairie voles ( <i>Microtus</i> ) Tj ETQq1 1 0.784314.rgBT /Overlock 10 T	2.1	33
48	Distribution of vasopressin in the brain of the eusocial naked mole-rat. <i>Journal of Comparative Neurology</i> , 2007, 500, 1093-1105.	2.0	46
49	Sex Differences in Neurotransmitters Systems; Vasopressin as an Example. , 2007, , 487-512.		0
50	Translational research in Behavioral Neuroendocrinology. <i>Hormones and Behavior</i> , 2006, 50, 503.	2.1	2
51	Sexual differentiation of central vasopressin and vasotocin systems in vertebrates: Different mechanisms, similar endpoints. <i>Neuroscience</i> , 2006, 138, 947-955.	2.4	296
52	Distribution of vasopressin in the forebrain of spotted hyenas. <i>Journal of Comparative Neurology</i> , 2006, 498, 80-92.	2.0	26
53	Unexpected Effects of Perinatal Gonadal Hormone Manipulations on Sexual Differentiation of the Extrahypothalamic Arginine-Vasopressin System in Prairie Voles. <i>Endocrinology</i> , 2005, 146, 1559-1567.	2.8	35
54	Sex Steroids and Sex Chromosomes at Odds?. <i>Endocrinology</i> , 2005, 146, 3277-3279.	2.8	24

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55	Neonatal Mice Possessing an Sry Transgene Show a Masculinized Pattern of Progesterone Receptor Expression in the Brain Independent of Sex Chromosome Status. <i>Endocrinology</i> , 2004, 145, 1046-1049.	2.8	51
56	Minireview: Sex Differences in Adult and Developing Brains: Compensation, Compensation, Compensation. <i>Endocrinology</i> , 2004, 145, 1063-1068.	2.8	457
57	Deletion of <i>Bax</i> eliminates sex differences in the mouse forebrain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13666-13671.	7.6	204
58	Intracellular preoptic and striatal monoamines in pregnant and lactating rats: possible role in maternal behavior. <i>Brain Research</i> , 2003, 970, 149-158.	2.3	50
59	Organizational effects of testosterone, estradiol, and dihydrotestosterone on vasopressin mRNA expression in the bed nucleus of the stria terminalis. <i>Journal of Neurobiology</i> , 2003, 54, 502-510.	3.1	111
60	Sex differences in mouse cortical thickness are independent of the complement of sex chromosomes. <i>Neuroscience</i> , 2003, 116, 71-75.	2.4	57
61	Sex Differences in Progesterone Receptor Expression: A Potential Mechanism for Estradiol-Mediated Sexual Differentiation. <i>Endocrinology</i> , 2002, 143, 3727-3739.	2.8	108
62	Anatomy, Development, and Function of Sexually Dimorphic Neural Circuits in the Mammalian Brain. , 2002, , 137-XXIX.		107
63	Parental Responsiveness Is Feminized after Neonatal Castration in Virgin Male Prairie Voles, but Is Not Masculinized by Perinatal Testosterone in Virgin Females. <i>Hormones and Behavior</i> , 2002, 41, 80-87.	2.1	53
64	Sexual Differentiation of the Bed Nucleus of the Stria Terminalis in Humans May Extend into Adulthood. <i>Journal of Neuroscience</i> , 2002, 22, 1027-1033.	3.8	172
65	Progesterone receptors and the sexual differentiation of the medial preoptic nucleus. <i>Journal of Neurobiology</i> , 2002, 51, 24-32.	3.1	56
66	Progesterin Receptor Immunoreactivity Within Steroid-Responsive Vasopressin-Immunoreactive Cells in the Male and Female Rat Brain. <i>Journal of Neuroendocrinology</i> , 2002, 14, 561-567.	2.6	53
67	Regulation of Sex Differences in Progesterone Receptor Expression in the Medial Preoptic Nucleus of Postnatal Rats. <i>Journal of Neuroendocrinology</i> , 2002, 14, 761-767.	2.6	56
68	A Model System for Study of Sex Chromosome Effects on Sexually Dimorphic Neural and Behavioral Traits. <i>Journal of Neuroscience</i> , 2002, 22, 9005-9014.	3.8	468
69	Social influences on parental and nonparental responses toward pups in virgin female prairie voles ( <i>Microtus ochrogaster</i> ).. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 2001, 115, 53-61.	0.5	50
70	Sex differences in progesterone receptor immunoreactivity in neonatal mouse brain depend on estrogen receptor $\alpha$ expression. <i>Journal of Neurobiology</i> , 2001, 47, 176-182.	3.1	71
71	Apoptosis during sexual differentiation of the bed nucleus of the stria terminalis in the rat brain. <i>Journal of Neurobiology</i> , 2000, 43, 234-243.	3.1	138
72	Sex differences in the parental behavior of rodents. <i>Neuroscience and Biobehavioral Reviews</i> , 2000, 24, 669-686.	6.6	205

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73	Maternal behaviour in lactating rats stimulates c-fos in glutamate decarboxylase-synthesizing neurons of the medial preoptic area, ventral bed nucleus of the stria terminalis, and ventrocaudal periaqueductal gray. <i>Neuroscience</i> , 2000, 100, 557-568.	2.4	87
74	Influence of gonadal hormones on the development of parental behavior in adult virgin prairie voles ( <i>Microtus ochrogaster</i> ). <i>Behavioural Brain Research</i> , 2000, 114, 79-87.	2.3	49
75	Chapter 1.1 Anatomy and function of extrahypothalamic vasopressin systems in the brain. <i>Progress in Brain Research</i> , 1999, 119, 3-20.	3.9	162
76	Androstenedione Effects on the Vasopressin Innervation of the Rat Brain. <i>Endocrinology</i> , 1999, 140, 3383-3386.	2.8	13
77	Sex Differences in the Parental Behaviour of Adult Virgin Prairie Voles: Independence From Gonadal Hormones and Vasopressin. <i>Journal of Neuroendocrinology</i> , 1999, 11, 441-449.	2.6	109
78	Neurogenesis of galanin cells in the bed nucleus of the stria terminalis and centromedial amygdala in rats: A model for sexual differentiation of neuronal phenotype. <i>Journal of Neurobiology</i> , 1999, 38, 491-498.	3.1	34
79	Comparison of the Parental Behavior of Pair-Bonded Female and Male Prairie Voles ( <i>Microtus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 2.F 109	2.6	109
80	A Molecular Mechanism Regulating Rhythmic Output from the Suprachiasmatic Circadian Clock. <i>Cell</i> , 1999, 96, 57-68.	27.8	843
81	Comparison of the "Nursing" and Other Parental Behaviors of Nulliparous and Lactating Female Rats. <i>Hormones and Behavior</i> , 1999, 36, 242-251.	2.1	51
82	Androstenedione Effects on the Vasopressin Innervation of the Rat Brain. <i>Endocrinology</i> , 1999, 140, 3383-3386.	2.8	4
83	Double duty for sex differences in the brain. <i>Behavioural Brain Research</i> , 1998, 92, 205-213.	2.3	96
84	Potential Role of Maternal Progesterone in the Sexual Differentiation of the Brain. <i>Endocrinology</i> , 1998, 139, 3658-3661.	2.8	95
85	Flank-marking behavior and the neural distribution of vasopressin innervation in golden hamsters with suprachiasmatic lesions.. <i>Behavioral Neuroscience</i> , 1998, 112, 1486-1501.	1.2	18
86	Potential Role of Maternal Progesterone in the Sexual Differentiation of the Brain. <i>Endocrinology</i> , 1998, 139, 3658-3661.	2.8	32
87	Masculine Sexual Behavior Is Disrupted in Male and Female Mice Lacking a Functional Estrogen Receptor $\beta$ Gene. <i>Hormones and Behavior</i> , 1997, 32, 176-183.	2.1	226
88	Effects of the Selective Serotonin Reuptake Inhibitor Fluoxetine on Social Behaviors in Male and Female Prairie Voles ( <i>Microtus ochrogaster</i> ). <i>Hormones and Behavior</i> , 1997, 32, 184-191.	2.1	53
89	Neurogenesis of the sexually dimorphic vasopressin cells of the bed nucleus of the stria terminalis and amygdala of rats. <i>Journal of Neurobiology</i> , 1996, 29, 91-98.	3.1	44
90	Distribution of small vasopressinergic neurons in golden hamsters. <i>Journal of Comparative Neurology</i> , 1995, 360, 589-598.	2.0	49

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91	Androgen and Estrogen Effects on Vasopressin Messenger RNA Expression in the Medial Amygdaloid Nucleus in Male and Female Rats. <i>Journal of Neuroendocrinology</i> , 1995, 7, 827-831.	2.6	73
92	Studying neurotransmitter systems to understand the development and function of sex differences in the brain: the case of vasopressin. , 1995, , 254-278.		11
93	Distribution of androgen receptor immunoreactivity in vasopressin- and oxytocin-immunoreactive neurons in the male rat brain.. <i>Endocrinology</i> , 1994, 134, 2622-2627.	2.8	172
94	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 ( <i>Microtus ochrogaster</i> ) and meadow voles ( <i>Microtus pennsylvanicus</i> ). <i>Brain Research</i> , 1994, 650, 212-218.	2.3	166
95	Cohabitation alters vasopressin innervation and paternal behavior in prairie voles ( <i>Microtus</i> ) Tj ETQq1 1 0.784314 rBT /Overlock 10 Tj	2.1	163
96	Role of septal vasopressin innervation in paternal behavior in prairie voles ( <i>Microtus ochrogaster</i> ).. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 400-404.	7.6	334
97	Efferent projections of the sexually dimorphic area of the gerbil hypothalamus: Anterograde identification and retrograde verification in males and females. <i>Journal of Comparative Neurology</i> , 1993, 338, 491-520.	2.0	38
98	Sex and Species Differences in the Vasopressin Innervation of Sexually Naive and Parental Prairie Voles, <i>Microtus ochrogaster</i> and Meadow Voles, <i>Microtus pennsylvanicus</i> . <i>Journal of Neuroendocrinology</i> , 1993, 5, 247-255.	2.6	178
99	Testosterone effects on paternal behavior and vasopressin immunoreactive projections in prairie voles ( <i>Microtus ochrogaster</i> ). <i>Brain Research</i> , 1993, 631, 156-160.	2.3	146
100	Estrogen-receptor immunoreactivity in hamster brain: preoptic area, hypothalamus and amygdala. <i>Brain Research</i> , 1993, 631, 304-312.	2.3	92
101	Antidromic activation of a peptidergic pathway in the limbic system of the male rat. <i>Brain Research</i> , 1993, 606, 171-174.	2.3	7
102	Local implants of testosterone metabolites regulate vasopressin mRNA in sexually dimorphic nuclei of the rat brain. <i>Peptides</i> , 1993, 14, 933-940.	2.4	56
103	Sexual differentiation of vasopressin projections of the bed nucleus of the stria terminals and medial amygdaloid nucleus in rats.. <i>Endocrinology</i> , 1993, 132, 2299-2306.	2.8	111
104	Vasopressin innervation of sexually dimorphic structures of the gerbil forebrain under various hormonal conditions. <i>Journal of Comparative Neurology</i> , 1992, 322, 589-598.	2.0	57
105	Sexual dimorphism in the vasotocin system of the bullfrog ( <i>Rana catesbeiana</i> ). <i>Journal of Comparative Neurology</i> , 1992, 325, 313-325.	2.0	91
106	Fiber outgrowth from fetal vasopressin neurons of the suprachiasmatic nucleus, bed nucleus of the stria terminalis, and medial amygdaloid nucleus transplanted into adult Brattleboro rats. <i>Developmental Brain Research</i> , 1991, 64, 200-204.	1.8	8
107	Sex Differences in Neurotransmitter Systems. <i>Journal of Neuroendocrinology</i> , 1990, 2, 1-13.	2.6	205
108	Evidence for a functional and anatomical relationship between the lateral septum and the hypothalamus in the control of flank marking behavior in golden hamsters. <i>Journal of Comparative Neurology</i> , 1990, 293, 476-485.	2.0	73

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109	Sex differences in hormonal responses of vasopressin pathways in the rat brain. <i>Journal of Neurobiology</i> , 1990, 21, 686-693.	3.1	117
110	Afferent connections of the sexually dimorphic area of the hypothalamus of male and female gerbils. <i>Journal of Comparative Neurology</i> , 1988, 271, 91-105.	2.0	37
111	Effects of androgens and estrogens on the vasopressin and oxytocin innervation of the adult rat brain. <i>Brain Research</i> , 1986, 399, 296-302.	2.3	154
112	Effects of vasopressin on female sexual behavior in male rats. <i>Neuroscience Letters</i> , 1986, 69, 188-191.	2.1	23
113	Seasonal variation in vasopressin innervation in the brain of the European hamster ( <i>Cricetus</i> ) Tj ETQq1 1 0.784314,rgBT /Overlock 10 <i>Journal of Neuroendocrinology</i> , 1985, 9, 109-114.	2.3	109
114	A daily rhythm in behavioral vasopressin sensitivity and brain vasopressin concentrations. <i>Neuroscience Letters</i> , 1985, 58, 37-41.	2.1	85
115	Coexistence of vasopressin, neurophysin and noradrenaline immunoreactivity in medium-sized cells of the locus coeruleus and subcoeruleus in the rat. <i>Brain Research</i> , 1985, 338, 160-164.	2.3	65
116	Vasopressin cells in the bed nucleus of the stria terminalis of the rat: sex differences and the influence of androgens. <i>Brain Research</i> , 1985, 325, 391-394.	2.3	249
117	Changes with aging in the vasopressin and oxytocin innervation of the rat brain. <i>Brain Research</i> , 1985, 348, 1-8.	2.3	81
118	Gonadal hormone actions on the morphology of the vasopressinergic innervation of the adult rat brain. <i>Brain Research</i> , 1984, 298, 141-145.	2.3	224
119	Vasopressin and Oxytocin: Distribution and Putative Functions in the Brain. <i>Progress in Brain Research</i> , 1983, 60, 115-122.	3.9	121
120	The origin of the vasopressinergic and oxytocinergic innervation of the rat brain with special reference to the lateral septum. <i>Brain Research</i> , 1983, 273, 307-317.	2.3	511
121	The influence of androgens on the development of a sex difference in the vasopressinergic innervation of the rat lateral septum. <i>Developmental Brain Research</i> , 1983, 8, 377-380.	1.8	135
122	Evaluation of (d-Pro <sup>2</sup> , d-Trp <sup>7,9</sup> )-substance P as an antagonist of substance P responses in the rat central nervous system. <i>Neuroscience Letters</i> , 1982, 30, 291-295.	2.1	47
123	Ontogeny of the vasopressinergic neurons of the suprachiasmatic nucleus and their extrahypothalamic projections in the rat brain: presence of a sex difference in the lateral septum. <i>Brain Research</i> , 1981, 218, 67-78.	2.3	312