

# David Crews

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4928211/publications.pdf>

Version: 2024-02-01

82  
papers

5,106  
citations

81900

39  
h-index

85541

71  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3706  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resurrecting the Ancestral Steroid Receptor: Ancient Origin of Estrogen Signaling. <i>Science</i> , 2003, 301, 1714-1717.	12.6	625
2	Transgenerational epigenetic imprints on mate preference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5942-5946.	7.1	379
3	Epigenetic transgenerational inheritance of altered stress responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9143-9148.	7.1	285
4	Epigenetics, Evolution, Endocrine Disruption, Health, and Disease. <i>Endocrinology</i> , 2006, 147, s4-s10.	2.8	274
5	Chronology and morphology of temperature-dependent sex determination. <i>The Journal of Experimental Zoology</i> , 1991, 260, 371-381.	1.4	196
6	Endocrine Disruptors: Present Issues, Future Directions. <i>Quarterly Review of Biology</i> , 2000, 75, 243-260.	0.1	173
7	Temperature-dependent sex determination in reptiles: Proximate mechanisms, ultimate outcomes, and practical applications. <i>Genesis</i> , 1994, 15, 297-312.	2.1	169
8	The Ecological Physiology of a Garter Snake. <i>Scientific American</i> , 1982, 247, 158-168.	1.0	148
9	Embryonic temperature determines adult sexuality in a reptile. <i>Nature</i> , 1988, 332, 832-834.	27.8	144
10	Epigenetic Control of Gonadal Aromatase ( <i>cyp19a1</i> ) in Temperature-Dependent Sex Determination of Red-Eared Slider Turtles. <i>PLoS ONE</i> , 2013, 8, e63599.	2.5	137
11	Synergism between temperature and estradiol: A common pathway in turtle sex determination?. <i>The Journal of Experimental Zoology</i> , 1991, 260, 130-134.	1.4	125
12	Gonadal Steroids have Paradoxical Effects on Brain Oxytocin Receptors. <i>Journal of Neuroendocrinology</i> , 1993, 5, 619-628.	2.6	123
13	Female mimicry in garter snakes. <i>Nature</i> , 1985, 316, 59-60.	27.8	116
14	Sperm transport and storage and its relation to the annual sexual cycle of the female red-sided garter snake, <i>Thamnophis sirtalis parietalis</i> . <i>Journal of Morphology</i> , 1982, 174, 149-159.	1.2	96
15	Cloning and in situ hybridization analysis of estrogen receptor, progesterone and androgen receptor expression in the brain of whiptail lizards ( <i>Cnemidophorus uniparens</i> and <i>C. inornatus</i> ). <i>Journal of Comparative Neurology</i> , 1994, 347, 288-300.	1.6	80
16	Temperature-dependent sex determination: A mechanistic approach. <i>The Journal of Experimental Zoology</i> , 1994, 270, 71-78.	1.4	76
17	Incubation temperature and gonadal sex affect growth and physiology in the leopard gecko ( <i>Eublepharis macularius</i> ), a lizard with temperature-dependent sex determination. <i>Journal of Morphology</i> , 1995, 224, 159-170.	1.2	74
18	Nature, nurture and epigenetics. <i>Molecular and Cellular Endocrinology</i> , 2014, 398, 42-52.	3.2	70

#	ARTICLE	IF	CITATIONS
19	Sex determination: where environment and genetics meet. <i>Evolution &amp; Development</i> , 2003, 5, 50-55.	2.0	67
20	Evolution of neuroendocrine mechanisms that regulate sexual behavior. <i>Trends in Endocrinology and Metabolism</i> , 2005, 16, 354-361.	7.1	65
21	Epigenetic modifications of brain and behavior: Theory and practice. <i>Hormones and Behavior</i> , 2011, 59, 393-398.	2.1	65
22	The relationship among ovarian condition, steroid hormones, and estrous behavior in <i>Anolis carolinensis</i> . <i>The Journal of Experimental Zoology</i> , 1983, 227, 145-154.	1.4	64
23	Independent effects of incubation temperature and gonadal sex on the volume and metabolic capacity of brain nuclei in the leopard gecko ( <i>Eublepharis macularius</i> ), a lizard with temperature-dependent sex determination. <i>Journal of Comparative Neurology</i> , 1997, 380, 409-421.	1.6	63
24	Hormonal control of male courtship behavior and female attractivity in the garter snake ( <i>Thamnophis</i> )	2.1	61
25	On the Organization of Individual Differences in Sexual Behavior. <i>American Zoologist</i> , 1998, 38, 118-132.	0.7	60
26	The development of phenotypic plasticity: Where biology and psychology meet. <i>Developmental Psychobiology</i> , 2003, 43, 1-10.	1.6	59
27	Epigenetics in Comparative Biology: Why We Should Pay Attention. <i>Integrative and Comparative Biology</i> , 2014, 54, 7-20.	2.0	59
28	The relationship between reproductive state and sexually dimorphic brain areas in sexually reproducing and parthenogenetic whiptail lizards. <i>Journal of Comparative Neurology</i> , 1991, 309, 507-514.	1.6	55
29	Anxiety-like behaviors in adulthood are altered in male but not female rats exposed to low dosages of polychlorinated biphenyls in utero. <i>Hormones and Behavior</i> , 2017, 87, 8-15.	2.1	52
30	The effects of prenatal PCBs on adult social behavior in rats. <i>Hormones and Behavior</i> , 2015, 73, 47-55.	2.1	50
31	Steroid hormone-induced male sex determination in an amniotic vertebrate. <i>The Journal of Experimental Zoology</i> , 1992, 262, 454-457.	1.4	49
32	Temperature Shift Alters DNA Methylation and Histone Modification Patterns in Gonadal Aromatase ( <i>cyp19a1</i> ) Gene in Species with Temperature-Dependent Sex Determination. <i>PLoS ONE</i> , 2016, 11, e0167362.	2.5	48
33	Passing experiences on to future generations: endocrine disruptors and transgenerational inheritance of epimutations in brain and sperm. <i>Epigenetics</i> , 2018, 13, 1106-1126.	2.7	47
34	Epigenetics, brain, behavior, and the environment. <i>Hormones</i> , 2010, 9, 41-50.	1.9	46
35	Distribution of androgen and estrogen receptor mRNA in the brain and reproductive tissues of the leopard gecko, <i>Eublepharis macularius</i> . <i>Journal of Comparative Neurology</i> , 2001, 437, 385-397.	1.6	45
36	Animal Personalities: Behavior, Physiology, and Evolution. Claudio Carere and Dario Maestriperi, editors.. <i>Integrative and Comparative Biology</i> , 2013, 53, 873-875.	2.0	45

#	ARTICLE	IF	CITATIONS
37	Cloning and in situ hybridization analysis of estrogen receptor in the developing gonad of the red-eared slider turtle, a species with temperature-dependent sex determination. <i>Development Growth and Differentiation</i> , 1998, 40, 243-254.	1.5	44
38	Historical contributions of research on reptiles to behavioral neuroendocrinology. <i>Hormones and Behavior</i> , 2005, 48, 384-394.	2.1	43
39	WHY MALE GARTER SNAKES HAVE SMALL HEADS: THE EVOLUTION AND ENDOCRINE CONTROL OF SEXUAL DIMORPHISM. <i>Evolution; International Journal of Organic Evolution</i> , 1988, 42, 1105-1110.	2.3	39
40	Role of steroidogenic factor 1 and aromatase in temperature-dependent sex determination in the red-eared slider turtle. <i>The Journal of Experimental Zoology</i> , 2001, 290, 597-606.	1.4	39
41	The Effects of Social Experience on Aggressive Behavior in the Green Anole Lizard ( <i>Anolis</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 37	1.9	37
42	Effects of the Endocrine-Disrupting Chemicals, Vinclozolin and Polychlorinated Biphenyls, on Physiological and Sociosexual Phenotypes in F2 Generation Sprague-Dawley Rats. <i>Environmental Health Perspectives</i> , 2018, 126, 97005.	6.0	35
43	Effect of exogenous estradiol applied at different embryonic stages on sex determination, growth, and mortality in the leopard gecko ( <i>Eublepharis macularius</i> ). <i>The Journal of Experimental Zoology</i> , 1994, 268, 17-21.	1.4	34
44	Effects of Prostaglandin F <sub>2α</sub> on Sexual Behavior and Ovarian Function in Female Garter Snakes ( <i>Thamnophis sirtalis parietalis</i> )*. <i>Endocrinology</i> , 1986, 119, 787-792.	2.8	33
45	Mate choice, sexual selection, and endocrine-disrupting chemicals. <i>Hormones and Behavior</i> , 2018, 101, 3-12.	2.1	33
46	Social and neuromolecular phenotypes are programmed by prenatal exposures to endocrine-disrupting chemicals. <i>Molecular and Cellular Endocrinology</i> , 2019, 479, 133-146.	3.2	30
47	Sex differences in the nervous system of reptiles. <i>Cellular and Molecular Neurobiology</i> , 1997, 17, 649-669.	3.3	29
48	From gene networks underlying sex determination and gonadal differentiation to the development of neural networks regulating sociosexual behavior. <i>Brain Research</i> , 2006, 1126, 109-121.	2.2	28
49	Pinealectomy, melatonin, and courtship behavior in male red-sided garter snakes ( <i>Thamnophis sirtalis</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 26	1.4	26
50	Turtle sex determination assay: Mass balance and responses to 2,3,7,8-tetrachlorodibenzo-p-dioxin and 3,3',4,4',5'-pentachlorobiphenyl. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 2477-2482.	1.4	26
51	Regulation of Estrogen Receptor and Progesterone Receptor Messenger Ribonucleic Acid by Estrogen in the Brain of the Whiptail Lizard ( <i>Cnemidophorus uniparens</i> ). <i>Journal of Neuroendocrinology</i> , 1995, 7, 119-125.	2.6	23
52	Female control of male reproductive function in a Mexican Snake. <i>Science</i> , 1982, 217, 1159-1160.	12.6	22
53	Hormonal regulation of progesterone receptor mRNA expression in the hypothalamus of whiptail lizards: Regional and species differences. <i>Journal of Neurobiology</i> , 1999, 39, 287-293.	3.6	21
54	Postnatal Environment Affects Behavior of Adult Transgenic Mice. <i>Experimental Biology and Medicine</i> , 2004, 229, 935-939.	2.4	20

#	ARTICLE	IF	CITATIONS
55	Sites of Estrogen Uptake in Embryonic <i>Trachemys Scripta</i> , a Turtle with Temperature-Dependent Sex Determination. <i>Biology of Reproduction</i> , 1992, 46, 458-463.	2.7	19
56	Androgen mediated effects of male fetuses on the behavior of dams late in pregnancy. <i>Developmental Psychobiology</i> , 1993, 26, 25-35.	1.6	18
57	Embryonic Temperature and Gonadal Sex Organize Male-Typical Sexual and Aggressive Behavior in a Lizard with Temperature-Dependent Sex Determination. <i>Endocrinology</i> , 1999, 140, 4501-4508.	2.8	18
58	Species Differences in Estrogen Receptor and Progesterone Receptor-mRNA Expression in the Brain of Sexual and Unisexual Whiptail Lizards. <i>Journal of Neuroendocrinology</i> , 1995, 7, 567-576.	2.6	17
59	Litter environment affects behavior and brain metabolic activity of adult knockout mice. <i>Frontiers in Behavioral Neuroscience</i> , 2009, 3, 12.	2.0	17
60	Distinct actions of ancestral vinclozolin and juvenile stress on neural gene expression in the male rat. <i>Frontiers in Genetics</i> , 2015, 6, 56.	2.3	17
61	Epigenetic synthesis: a need for a new paradigm for evolution in a contaminated world. <i>F1000 Biology Reports</i> , 2012, 4, 18.	4.0	17
62	Maternal care modulates transgenerational effects of endocrine-disrupting chemicals on offspring pup vocalizations and adult behaviors. <i>Hormones and Behavior</i> , 2019, 107, 96-109.	2.1	16
63	The effects of sex steroid treatments on sexual differentiation in a unisexual lizard, <i>Cnemidophorus uniparens</i> (Teiidae). <i>Journal of Morphology</i> , 1986, 187, 129-142.	1.2	13
64	Application of a novel social choice paradigm to assess effects of prenatal endocrine-disrupting chemical exposure in rats ( <i>Rattus norvegicus</i> ).. <i>Journal of Comparative Psychology (Washington, D C:)</i> Tj ETQq0 0 0rgBT /Overlock 10 T		
65	Sexually dimorphic regulation of estrogen receptor $\alpha$ mRNA in the ventromedial hypothalamus of adult whiptail lizards is testosterone dependent. <i>Brain Research</i> , 2004, 1004, 136-141.	2.2	12
66	Endocrine-disrupting chemicals alter the neuromolecular phenotype in F2 generation adult male rats. <i>Physiology and Behavior</i> , 2019, 211, 112674.	2.1	10
67	Prenatal EDCs Impair Mate and Odor Preference and Activation of the VMN in Male and Female Rats. <i>Endocrinology</i> , 2020, 161, .	2.8	10
68	Effects of endocrine-disrupting chemicals on hypothalamic oxytocin and vasopressin systems. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2022, 337, 75-87.	1.9	10
69	The relation between liver damage and reproduction in female Japanese quail ( <i>Coturnix japonica</i> ) exposed to high ambient temperature. <i>Poultry Science</i> , 2020, 99, 4586-4597.	3.4	9
70	Pheromone Mimicry in Garter Snakes. , 1986, , 279-283.		7
71	Evolutionary insights into sexual behavior from whiptail lizards. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2022, 337, 88-98.	1.9	6
72	EDCs Reorganize Brain-Behavior Phenotypic Relationships in Rats. <i>Journal of the Endocrine Society</i> , 2021, 5, bvab021.	0.2	5

#	ARTICLE	IF	CITATIONS
73	Absence of temperature-dependent sex determination in congeneric sexual and parthenogenetic <i>Cnemidophorus</i> lizards. <i>The Journal of Experimental Zoology</i> , 1989, 252, 318-320.	1.4	4
74	Editorial. <i>Journal of Experimental Zoology</i> , 2014, 321, 241-242.	1.2	4
75	Hazards inherent in interdisciplinary behavioral research. <i>Frontiers in Zoology</i> , 2015, 12, S21.	2.0	3
76	Two Hits of EDCs Three Generations Apart: Effects on Social Behaviors in Rats, and Analysis by Machine Learning. <i>Toxics</i> , 2022, 10, 30.	3.7	3
77	Binary Outputs from Unitary Networks. <i>Integrative and Comparative Biology</i> , 2013, 53, 888-894.	2.0	2
78	Psychobiology of reptilian reproduction. <i>The Journal of Experimental Zoology</i> , 1990, 256, 164-166.	1.4	1
79	Policy decisions on endocrine disruptors should be based on science across disciplines. <i>Endocrine Disruptors (Austin, Tex)</i> , 2013, 1, e26644.	1.1	1
80	Pinealectomy, melatonin, and courtship behavior in male red-sided garter snakes ( <i>Tamnophis sirtalis</i> )	1.4	1
81	Cutting the Gordian Knot. <i>Conservation Biology</i> , 2001, 15, 808-809.	4.7	0
82	Unfinished business. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2022, 337, 99-102.	1.9	0