

Robert T Mason

List of Publications by Year in descending order

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91
papers

3,195
citations

136950

32
h-index

168389

53
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91
all docs

91
docs citations

91
times ranked

1639
citing authors

#	ARTICLE	IF	CITATIONS
1	Social behavior and pheromonal communication in reptiles. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2010, 196, 729-749.	1.6	203
2	Behavioural and hormonal responses to capture stress in the male red-sided garter snake, <i>Thamnophis sirtalis parietalis</i> . <i>Animal Behaviour</i> , 2000, 59, 529-534.	1.9	145
3	Plasma steroid hormone levels of female red-sided garter snakes, <i>Thamnophis sirtalis parietalis</i> : Relationship to mating and gestation. <i>General and Comparative Endocrinology</i> , 1987, 67, 33-43.	1.8	120
4	Female mimicry in garter snakes. <i>Nature</i> , 1985, 316, 59-60.	27.8	116
5	Relationships between Annual Cycles of Testosterone, Corticosterone, and Body Condition in Male Red-Spotted Garter Snakes, <i>Thamnophis sirtalis concinnus</i> . <i>Physiological and Biochemical Zoology</i> , 2000, 73, 307-312.	1.5	116
6	Effects of sex, body size, temperature, and location on the antipredator tactics of free-ranging gartersnakes (<i>Thamnophis sirtalis</i> , Colubridae). <i>Behavioral Ecology</i> , 2000, 11, 239-245.	2.2	104
7	Variation in a female sexual attractiveness pheromone controls male mate choice in garter snakes. <i>Journal of Chemical Ecology</i> , 2002, 28, 1269-1285.	1.8	94
8	Sex recognition in the leopard gecko, <i>Eublepharis macularius</i> (Sauria: Gekkonidae) Possible mediation by skin-derived semiochemicals. <i>Journal of Chemical Ecology</i> , 1990, 16, 27-36.	1.8	92
9	Chemical Ecology of the Red-Sided Garter Snake, <i>Thamnophis sirtalis parietalis</i> . <i>Brain, Behavior and Evolution</i> , 1993, 41, 261-268.	1.7	90
10	REPRODUCTIVE ISOLATING MECHANISMS BETWEEN TWO SYMPATRIC SIBLING SPECIES OF SEA SNAKES. Evolution; <i>International Journal of Organic Evolution</i> , 2002, 56, 1655-1662.	2.3	82
11	Characterization, synthesis, and behavioral responses to sex attractiveness pheromones of red-sided garter snakes (<i>Thamnophis sirtalis parietalis</i>). <i>Journal of Chemical Ecology</i> , 1990, 16, 2353-2369.	1.8	73
12	Behavioral and hormonal responses to corticosterone in the male red-sided garter snake, <i>Thamnophis sirtalis parietalis</i> . <i>Physiology and Behavior</i> , 2001, 72, 669-674.	2.1	70
13	Mating in the red-sided garter snake, <i>Thamnophis sirtalis parietalis</i> : differential effects on male and female sexual behavior. <i>Behavioral Ecology and Sociobiology</i> , 1985, 16, 257-261.	1.4	68
14	Conspecific trailing behaviour of red-sided garter snakes, <i>Thamnophis sirtalis parietalis</i> , in the natural environment. <i>Animal Behaviour</i> , 2001, 61, 827-833.	1.9	65
15	The Influence of Sex Steroids on the Sexual Size Dimorphism in the Red-Spotted Garter Snake, <i>Thamnophis sirtalis concinnus</i> . <i>General and Comparative Endocrinology</i> , 2001, 124, 218-225.	1.8	58
16	Cryptic Forcible Insemination: Male Snakes Exploit Female Physiology, Anatomy, and Behavior to Obtain Coercive Matings. <i>American Naturalist</i> , 2003, 162, 653-667.	2.1	58
17	Flexible mate choice: a male snake's preference for larger females is modified by the sizes of females encountered. <i>Animal Behaviour</i> , 2006, 71, 203-209.	1.9	53
18	Endocrine mechanisms mediating temperature-induced reproductive behavior in red-sided garter snakes (<i>Thamnophis sirtalis parietalis</i>). <i>Journal of Experimental Biology</i> , 2009, 212, 3108-3118.	1.7	50

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19	Not just a chastity belt: the functional significance of mating plugs in garter snakes, revisited. <i>Biological Journal of the Linnean Society</i> , 2013, 109, 893-907.	1.6	49
20	Pheromonally mediated sexual isolation among denning populations of red-sided garter snakes, <i>Thamnophis sirtalis parietalis</i> . <i>Journal of Chemical Ecology</i> , 2003, 29, 1027-1043.	1.8	48
21	Evidence for a female sex pheromone mediating male trailing behavior in the red-sided garter snake, <i>Thamnophis sirtalis parietalis</i> . <i>Chemoecology</i> , 2001, 11, 149-152.	1.1	47
22	Corticosterone and the transition from courtship behavior to dispersal in male red-sided garter snakes (<i>Thamnophis sirtalis parietalis</i>). <i>General and Comparative Endocrinology</i> , 2007, 150, 124-131.	1.8	45
23	Pheromone trailing behavior of the brown tree snake, <i>Boiga irregularis</i> . <i>Journal of Chemical Ecology</i> , 2001, 27, 2193-2201.	1.8	43
24	Seasonal anorexia in the male red-sided garter snake, <i>Thamnophis sirtalis parietalis</i> . <i>Behavioral Ecology and Sociobiology</i> , 2004, 56, 413-419.	1.4	43
25	A combination of body condition measurements is more informative than conventional condition indices: Temporal variation in body condition and corticosterone in brown tree snakes (<i>Boiga</i>) TJ ETQq1 1 0.784314.rgBT /Overclock 10 T	1.4	42
26	Age-related sex differences in body condition and telomere dynamics of red-sided garter snakes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162146.	2.6	41
27	Male red-sided garter snakes, <i>Thamnophis sirtalis parietalis</i> , determine female mating status from pheromone trails. <i>Animal Behaviour</i> , 2004, 68, 677-683.	1.9	40
28	Role of light and temperature in the regulation of reproduction in the red-sided garter snake, <i>Thamnophis sirtalis parietalis</i> . <i>Canadian Journal of Zoology</i> , 1987, 65, 2090-2096.	1.0	39
29	Effects of melatonin on the behavioral and hormonal responses of red-sided garter snakes (<i>Thamnophis sirtalis parietalis</i>) to exogenous corticosterone. <i>Hormones and Behavior</i> , 2004, 46, 692-702.	2.1	36
30	Sexual conflict over mating in red-sided garter snakes (<i>Thamnophis sirtalis</i>) as indicated by experimental manipulation of genitalia. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132694.	2.6	36
31	Female mimicry in garter snakes: behavioural tactics of "she-males" and the males that court them. <i>Canadian Journal of Zoology</i> , 2000, 78, 1391-1396.	1.0	35
32	How to make a sexy snake: estrogen activation of female sex pheromone in male red-sided garter snakes. <i>Journal of Experimental Biology</i> , 2012, 215, 723-730.	1.7	34
33	Do a male garter snake's energy stores limit his reproductive effort?. <i>Canadian Journal of Zoology</i> , 2005, 83, 1265-1270.	1.0	33
34	Physiological evidence for reproductive suppression in the introduced population of brown tree snakes (<i>Boiga irregularis</i>) on Guam. <i>Biological Conservation</i> , 2005, 121, 91-98.	4.1	32
35	Sex and seasonal differences in the skin lipids of garter snakes. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1987, 87, 999-1003.	0.2	31
36	Patterns of mortality in a cold-climate population of garter snakes (<i>Thamnophis sirtalis parietalis</i>). <i>Biological Conservation</i> , 2004, 120, 201-210.	4.1	31

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37	Minimal overwintering temperatures of red-sided garter snakes (<i>Thamnophis sirtalis parietalis</i>): a possible cue for emergence?. <i>Canadian Journal of Zoology</i> , 2006, 84, 771-777.	1.0	31
38	Seasonal variation in hormonal responses of timber rattlesnakes (<i>Crotalus horridus</i>) to reproductive and environmental stressors. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 747-757.	1.5	31
39	Pinealectomy blocks vernal courtship behavior in red-sided garter snakes. <i>Physiology and Behavior</i> , 1987, 39, 231-233.	2.1	30
40	Female Snake Sex Pheromone Induces Membrane Responses in Vomeronasal Sensory Neurons of Male Snakes. <i>Chemical Senses</i> , 2006, 31, 521-529.	2.0	30
41	Size dependence in non-sperm ejaculate production is reflected in daily energy expenditure and resting metabolic rate. <i>Journal of Experimental Biology</i> , 2015, 218, 1410-1418.	1.7	30
42	Species-isolating mechanisms in a mating system with male mate choice (garter snakes, <i>Thamnophis</i>)	1.0	29
43	DOES LARGE BODY SIZE IN MALES EVOLVE TO FACILITATE FORCIBLE INSEMINATION? A STUDY ON GARTER SNAKES. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 2426-2432.	2.3	29
44	Courtship tactics in garter snakes: how do a male's morphology and behaviour influence his mating success?. <i>Animal Behaviour</i> , 2004, 67, 477-483.	1.9	28
45	Development of the renal sexual segment in immature snakes: effect of sex steroid hormones. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2004, 139, 55-64.	1.8	28
46	Patterns of sperm use in two populations of Red-sided Garter Snake (<i>Thamnophis sirtalis parietalis</i>) with long-term female sperm storage. <i>Canadian Journal of Zoology</i> , 2014, 92, 33-40.	1.0	27
47	Snakes in search of sex: the relation between mate-locating ability and mating success in male garter snakes. <i>Animal Behaviour</i> , 2005, 69, 1251-1258.	1.9	25
48	A serotonin receptor antagonist, but not melatonin, modulates hormonal responses to capture stress in two populations of garter snakes (<i>Thamnophis sirtalis parietalis</i> and <i>Thamnophis sirtalis</i>)	1.0	25
49	Geographic Variation in Timekeeping Systems among Three Populations of Garter Snakes (<i>Thamnophis sirtalis</i>) in a Common Garden. <i>Physiological and Biochemical Zoology</i> , 2008, 81, 810-825.	1.5	25
50	New Ketodienes from the Integumental Lipids of the Guam Brown Tree Snake, <i>Boiga irregularis</i> . <i>Journal of Natural Products</i> , 1991, 54, 233-240.	3.0	24
51	Seasonal aromatase activity in the brain of the male red-sided garter snake. <i>Hormones and Behavior</i> , 2010, 58, 485-492.	2.1	24
52	Seasonal Testicular Development and Sperm Storage in Tropical and Subtropical Populations of the Brown Tree Snake (<i>Boiga irregularis</i>). <i>Australian Journal of Zoology</i> , 1997, 45, 479.	1.0	23
53	Alternative male mating tactics in garter snakes, <i>Thamnophis sirtalis parietalis</i> . <i>Animal Behaviour</i> , 2005, 70, 387-396.	1.9	23
54	Do Female Garter Snakes Evade Males to Avoid Harassment or to Enhance Mate Quality?. <i>American Naturalist</i> , 2005, 165, 660-668.	2.1	23

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55	Neuroanatomical Distribution of Chicken-I Gonadotropin-Releasing Hormone (cGnRH-I) in the Brain of the Male Red-Sided Garter Snake. <i>Brain, Behavior and Evolution</i> , 1997, 49, 137-148.	1.7	22
56	Low Temperature Dormancy Affects the Quantity and Quality of the Female Sexual Attractiveness Pheromone in Red-sided Garter Snakes. <i>Journal of Chemical Ecology</i> , 2009, 35, 1234-1241.	1.8	22
57	Chemically mediated sexual behavior of the brown tree snake, <i>Boiga irregularis</i> . <i>Ecoscience</i> , 1998, 5, 405-409.	1.4	19
58	Temporally distinct effects of stress and corticosterone on diel melatonin rhythms of red-sided garter snakes (<i>Thamnophis sirtalis</i>). <i>General and Comparative Endocrinology</i> , 2010, 169, 11-17.	1.8	17
59	Sources of Variability in Recovery Time from Methohexital Sodium Anesthesia in Snakes. <i>Copeia</i> , 2010, 2010, 496-501.	1.3	17
60	Pheromonal inhibition of male courtship behaviour in the brown tree snake, <i>Boiga irregularis</i> : a mechanism for the rejection of potential mates. <i>Animal Behaviour</i> , 2003, 65, 905-910.	1.9	16
61	Confusion within "mating balls" of garter snakes: does misdirected courtship impose selection on male tactics?. <i>Animal Behaviour</i> , 2003, 66, 1011-1017.	1.9	16
62	Factors influencing paternity in multiply mated female red-sided garter snakes and the persistent use of sperm stored over winter. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 1419-1430.	1.4	16
63	Predatory Attacks to the Head vs. Body Modify Behavioral Responses of Garter Snakes. <i>Ethology</i> , 2004, 110, 937-947.	1.1	15
64	Scaling the heights: thermally driven arboreality in garter snakes. <i>Journal of Thermal Biology</i> , 2005, 30, 179-185.	2.5	15
65	A novel mechanism regulating a sexual signal: The testosterone-based inhibition of female sex pheromone expression in garter snakes. <i>Hormones and Behavior</i> , 2014, 66, 509-516.	2.1	15
66	Females remate more frequently when mated with sperm-deficient males. <i>Journal of Experimental Zoology</i> , 2014, 321, 603-609.	1.2	15
67	Battle of the sexes: forcibly inseminating male garter snakes target courtship to more vulnerable females. <i>Animal Behaviour</i> , 2005, 70, 1133-1140.	1.9	14
68	Pheromonal Mediation of Intraseasonal Declines in the Attractivity of Female Red-Sided Garter Snakes, <i>Thamnophis sirtalis parietalis</i> . <i>Journal of Chemical Ecology</i> , 2012, 38, 71-80.	1.8	14
69	Gonadotropin antagonist modulates courtship behavior in male red-sided garter snakes, <i>Thamnophis sirtalis parietalis</i> . <i>Physiology and Behavior</i> , 1997, 61, 137-143.	2.1	13
70	Morphology of the brown tree snake, <i>Boiga irregularis</i> , with a comparison of native and extralimital populations. <i>Australian Journal of Zoology</i> , 2000, 48, 357.	1.0	10
71	<i>Alaria mesocercariae</i> in the tails of red-sided garter snakes: evidence for parasite-mediated caudectomy. <i>Parasitology Research</i> , 2015, 114, 4451-4461.	1.6	10
72	Annual and Seasonal Variation in the Female Sexual Attractiveness Pheromone of the Red-Sided Garter Snake, <i>Thamnophis Sirtalis Parietalis</i> . , 2001, , 369-376.		9

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73	Brain nuclei in actively courting red-sided garter snakes: A paradigm of neural trimorphism. <i>Physiology and Behavior</i> , 2011, 102, 532-537.	2.1	8
74	Species specificity of methyl ketone profiles in the skin lipids of female garter snakes, genus <i>Thamnophis</i> . <i>Biochemical Systematics and Ecology</i> , 2014, 53, 51-58.	1.3	8
75	Correlated evolution of sexually selected traits: interspecific variation in ejaculates, sperm morphology, copulatory mate guarding, and body size in two sympatric species of garter snakes. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	1.4	7
76	Cross-dressing in Chemical Cues: Exploring "She-maleness" in Newly-emerged Male Garter Snakes. , 2008, , 223-230.		7
77	Pheromone Mimicry in Garter Snakes. , 1986, , 279-283.		7
78	Using whole-group metabolic rate and behaviour to assess the energetics of courtship in red-sided garter snakes. <i>Animal Behaviour</i> , 2017, 130, 177-185.	1.9	6
79	Familiarity with a female does not affect a male's courtship intensity in garter snakes <i>Thamnophis sirtalis parietalis</i> . <i>Environmental Epigenetics</i> , 2012, 58, 805-811.	1.8	5
80	Bioassay Methods for Amphibians and Reptiles. , 1998, , 271-325.		5
81	Predatory response of brown tree snakes to chemical stimuli from human skin. <i>Journal of Chemical Ecology</i> , 2002, 28, 2465-2473.	1.8	4
82	Skin Lipids of Garter Snakes Serve as Semiochemicals. <i>Annals of the New York Academy of Sciences</i> , 1987, 510, 472-474.	3.8	3
83	REPRODUCTIVE ISOLATING MECHANISMS BETWEEN TWO SYMPATRIC SIBLING SPECIES OF SEA SNAKES. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 1655.	2.3	3
84	Invading Pest Species and the Threat to Biodiversity: Pheromonal Control of Guam Brown Tree Snakes, <i>Boiga Irregularis</i> . , 2001, , 361-368.		3
85	Chemical Isolation, Quantification, and Separation of Skin Lipids from Reptiles. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	2
86	Postcopulatory sexual selection as a driver of sex- and population-specific kidney mass in garter snakes?. <i>Biological Journal of the Linnean Society</i> , 2021, 133, 93-104.	1.6	2
87	The effects of cloacal secretions on brown tree snake behavior. , 2005, , 49-55.		1
88	Mating is Correlated with a Reduced Risk of Predation in Female Red-sided Garter Snakes, <i>Thamnophis sirtalis parietalis</i> . <i>American Midland Naturalist</i> , 2007, 157, 235-238.	0.4	1
89	Dehydrated males are less likely to dive into the mating pool. <i>Behavioral Ecology</i> , 0, , .	2.2	1
90	DOES LARGE BODY SIZE IN MALES EVOLVE TO FACILITATE FORCIBLE INSEMINATION? A STUDY ON GARTER SNAKES. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 2426.	2.3	0

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91	Methyl Ketone Production in Juvenile Red-Sided Garter Snakes. , 2013, , 235-243.		0