Thomas Madsen

List of Publications by Year
in descending order

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136 papers	7,462 citations	47 h-index	80 g-index
		47006	62596
136 all docs	136 docs citations	136 times ranked	5034 citing authors

#	Article	IF	Citations
1	Restoration of an inbred adder population. Nature, 1999, 402, 34-35.	27.8	501
2	Why do female adders copulate so frequently?. Nature, 1992, 355, 440-441.	27.8	339
3	Is sperm really so cheap? Costs of reproduction in male adders,Vipera berus. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 455-459.	2.6	277
4	Sperm selection by females. Nature, 1996, 383, 585-585.	27.8	258
5	Major histocompatibility complex and mate choice in sand lizards. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, S254-6.	2.6	219
6	Silver spoons and snake body sizes: prey availability early in life influences long-term growth rates of free-ranging pythons. Journal of Animal Ecology, 2000, 69, 952-958.	2.8	202
7	Inbreeding depression in an isolated population of adders Vipera berus. Biological Conservation, 1996, 75, 113-118.	4.1	190
8	Sexual Selection and Sperm Competition in Reptiles. , 1998, , 503-577.		187
9	Is Thermoregulation Unimportant for Most Reptiles? An Example Using Water Pythons (Liasis fuscus) in Tropical Australia. Physiological Zoology, 1996, 69, 252-269.	1.5	168
10	Determinants of mating success in male adders, Vipera berus. Animal Behaviour, 1993, 45, 491-499.	1.9	159
11	Seasonal Migration of Predators and Prey--A Study of Pythons and Rats in Tropical Australia. Ecology, 1996, 77, 149-156.	3.2	159
12	High Prevalence of Hepatozoon Spp. (Apicomplexa, Hepatozoidae) Infection in Water Pythons (Liasis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	154
13	Temporal Variability in Sexual Selection Acting on Reproductive Tactics and Body Size in Male Snakes. American Naturalist, 1993, 141, 167-171.	2.1	134
14	Widespread convergence in toxin resistance by predictable molecular evolution. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11911-11916.	7.1	130
15	Costs of reproduction in a population of European adders. Oecologia, 1993, 94, 488-495.	2.0	125
16	Female choice on male quantitative traits in lizards â€" why is it so rare?. Behavioral Ecology and Sociobiology, 1995, 36, 179-184.	1.4	123
17	Testosterone, ticks and travels: a test of the immunocompetence-handicap hypothesis in free-ranging male sand lizards. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 2339-2343.	2.6	121
18	The adjustment of reproductive threshold to prey abundance in a capital breeder. Journal of Animal Ecology, 1999, 68, 571-580.	2.8	110

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19	Determinants of reproductive success in female adders, Vipera berus. Oecologia, 1992, 92, 40-47.	2.0	106
20	Rainfall and rats: Climatically-driven dynamics of a tropical rodent population. Austral Ecology, 1999, 24, 80-89.	1.5	105
21	PHENOTYPIC PLASTICITY IN BODY SIZES AND SEXUAL SIZE DIMORPHISM IN EUROPEAN GRASS SNAKES. Evolution; International Journal of Organic Evolution, 1993, 47, 321-325.	2.3	103
22	Breeding pond fidelity in the common toad, Bufo bufo. Journal of Zoology, 1991, 225, 201-211.	1.7	102
23	PREY ABUNDANCE AND PREDATOR REPRODUCTION: RATS AND PYTHONS ON A TROPICAL AUSTRALIAN FLOODPLAIN. Ecology, 1997, 78, 1078-1086.	3.2	92
24	Rain, rats and pythons: Climate-driven population dynamics of predators and prey in tropical Australia. Austral Ecology, 2006, 31, 30-37.	1.5	89
25	Rain, fish and snakes: climatically driven population dynamics of Arafura filesnakes in tropical Australia. Oecologia, 2000, 124, 208-215.	2.0	87
26	Phenotypic Plasticity in Body Sizes and Sexual Size Dimorphism in European Grass Snakes. Evolution; International Journal of Organic Evolution, 1993, 47, 321.	2.3	84
27	Novel genes continue to enhance population growth in adders (Vipera berus). Biological Conservation, 2004, 120, 145-147.	4.1	83
28	Can female adders multiply?. Nature, 1994, 369, 528-528.	27.8	80
29	LIFE HISTORY CONSEQUENCES OF NEST-SITE VARIATION IN TROPICAL PYTHONS (LIASIS FUSCUS). Ecology, 1999, 80, 989-997.	3.2	77
30	Maximum body size among insular Komodo dragon populations covaries with large prey density. Oikos, 2006, 112, 422-429.	2.7	76
31	MHC class I variation associates with parasite resistance and longevity in tropical pythons. Journal of Evolutionary Biology, 2006, 19, 1973-1978.	1.7	71
32	Male Mating Success and Body Size in European Grass Snakes. Copeia, 1993, 1993, 561.	1.3	70
33	Age, parasites, and condition affect humoral immune response in tropical pythons. Behavioral Ecology, 2006, 17, 20-24.	2.2	70
34	Promiscuity in Sand Lizards (Lacerta agilis) and Adder Snakes (Vipera berus): Causes and Consequences. , 2001, 92, 190-197.		67
35	Population size and genetic diversity in sand lizards (Lacerta agilis) and adders (Vipera berus). Biological Conservation, 2000, 94, 257-262.	4.1	63
36	Responses of three sympatric snake species to tropical seasonality in northern Australia. Journal of Tropical Ecology, 2002, 18, 549-568.	1.1	62

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37	Mitochondrial DNA recombination in a free-ranging Australian lizard. Biology Letters, 2007, 3, 189-192.	2.3	62
38	IN HOT PURSUIT: FLUCTUATING MATING SYSTEM AND SEXUAL SELECTION IN SAND LIZARDS. Evolution; International Journal of Organic Evolution, 2011, 65, 574-583.	2.3	62
39	Cancer Prevalence and Etiology in Wild and Captive Animals. , 2017, , 11-46.		58
40	Old pythons stay fit; effects of haematozoan infections on life history traits of a large tropical predator. Oecologia, 2005, 142, 407-412.	2.0	57
41	Are Juvenile Grass Snakes, Natrix natrix, Aposematically Coloured?. Oikos, 1987, 48, 265.	2.7	56
42	Low genetic diversity threatens imminent extinction for the Hungarian meadow viper (Vipera ursinii) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.1	56
43	Maleâ€biased dispersal in a tropical Australian snake (Stegonotus cucullatus, Colubridae). Molecular Ecology, 2008, 17, 3506-3514.	3.9	56
44	Silver spoons and snake body sizes: prey availability early in life influences longâ€term growth rates of freeâ€ranging pythons. Journal of Animal Ecology, 2000, 69, 952-958.	2.8	56
45	Short Telomeres in Hatchling Snakes: Erythrocyte Telomere Dynamics and Longevity in Tropical Pythons. PLoS ONE, 2009, 4, e7493.	2.5	56
46	Energy versus risk: costs of reproduction in freeâ€ranging pythons in tropical Australia. Austral Ecology, 2000, 25, 670-675.	1.5	55
47	Cost of Reproduction and Female Life-History Tactics in a Population of Grass Snakes, Natrix natrix, in Southern Sweden. Oikos, 1987, 49, 129.	2.7	53
48	Multiple Paternity in the Adder, Vipera berus. Oikos, 1986, 47, 173.	2.7	52
49	Sexual Dichromatism in Snakes of the Genus Vipera: A Review and a New Evolutionary Hypothesis. Journal of Herpetology, 1994, 28, 114.	0.5	50
50	Rewards of promiscuity. Nature, 1994, 372, 230-230.	27.8	50
51	Growth Rates, Maturation and Sexual Size Dimorphism in a Population of Grass Snakes, Natrix natrix, in Southern Sweden. Oikos, 1983, 40, 277.	2.7	49
52	ISOLATION BREEDS NAIVETY: ISLAND LIVING ROBS AUSTRALIAN VARANID LIZARDS OF TOAD-TOXIN IMMUNITY VIA FOUR-BASE-PAIR MUTATION. Evolution; International Journal of Organic Evolution, 2013, 67, 289-294.	2.3	47
53	Short and chubby or long and slim? Food intake, growth and body condition in free-ranging pythons. Austral Ecology, 2002, 27, 672-680.	1.5	46
54	Quantity or quality? Determinants of maternal reproductive success in tropical pythons (Liasis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.6	45

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55	Invader impact clarifies the roles of topâ€down and bottomâ€up effects on tropical snake populations. Functional Ecology, 2013, 27, 351-361.	3.6	43
56	FECUNDITY AND MHC AFFECTS EJACULATION TACTICS AND PATERNITY BIAS IN SAND LIZARDS. Evolution; International Journal of Organic Evolution, 2004, 58, 906-909.	2.3	42
57	Population genetic structure, gene flow and sexâ€biased dispersal in frillneck lizards (Chlamydosaurus kingii). Molecular Ecology, 2008, 17, 3557-3564.	3.9	41
58	Do natural antibodies compensate for humoral immunosenescence in tropical pythons?. Functional Ecology, 2011, 25, 813-817.	3.6	40
59	Components of Lifetime Reproductive Success in Adders, Vipera berus. Journal of Animal Ecology, 1994, 63, 561.	2.8	39
60	Curvilinear telomere length dynamics in a squamate reptile. Functional Ecology, 2017, 31, 753-759.	3.6	39
61	Genetic diversity, inbreeding and cancer. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172589.	2.6	39
62	COSTS OF REPRODUCTION INFLUENCE THE EVOLUTION OF SEXUAL SIZE DIMORPHISM IN SNAKES. Evolution; International Journal of Organic Evolution, 1994, 48, 1389-1397.	2.3	38
63	MHC, health, color, and reproductive success in sand lizards. Behavioral Ecology and Sociobiology, 2005, 58, 289-294.	1.4	37
64	PATERNAL GENOTYPE INFLUENCES INCUBATION PERIOD, OFFSPRING SIZE, AND OFFSPRING SHAPE IN AN OVIPAROUS REPTILE. Evolution; International Journal of Organic Evolution, 1996, 50, 1328-1333.	2.3	36
65	MHC variation in birds and reptiles. Genetica, 1998, 104, 301-309.	1.1	36
66	Experimental studies of blowfly (Calliphora stygia) longevity: A little dietary fat is beneficial but too much is detrimental. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 154, 383-388.	1.8	36
67	Spatial ecology of slatey-grey snakes (Stegonotus cucullatus, Colubridae) on a tropical Australian floodplain. Journal of Tropical Ecology, 2005, 21, 605-612.	1.1	34
68	SEXUAL COMPETITION AMONG BROTHERS MAY INFLUENCE OFFSPRING SEX RATIO IN SNAKES. Evolution; International Journal of Organic Evolution, 1992, 46, 1549-1552.	2.3	30
69	Island differences in population size structure and catch per unit effort and their conservation implications for Komodo dragons. Biological Conservation, 2007, 135, 247-255.	4.1	30
70	Notes on the Biology of the Fish-Eating Snake Lycodonomorphus bicolor in Lake Tanganyika. Journal of Herpetology, 1982, 16, 185.	0.5	29
71	Sexual selection favours large body size in males of a tropical snake (Stegonotus cucullatus,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.9	29
72	Sperm choice by females. Trends in Ecology and Evolution, 1997, 12, 445-446.	8.7	28

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73	The Effect of Size Dependent Mortality on Colour Morphs in Male Adders, Vipera berus. Oikos, 1988, 52, 73.	2.7	27
74	Paternal alleles enhance female reproductive success in tropical pythons. Molecular Ecology, 2005, 14, 1783-1787.	3.9	27
75	Costs of Reproduction Influence the Evolution of Sexual Size Dimorphism in Snakes. Evolution; International Journal of Organic Evolution, 1994, 48, 1389.	2.3	26
76	Between-year variation in determinants of offspring survival in the Sand Lizard, Lacerta agilis. Functional Ecology, 2001, 15, 443-450.	3.6	25
77	Do â€œinfectiousâ€•prey select for high levels of natural antibodies in tropical pythons?. Evolutionary Ecology, 2007, 21, 271-279.	1.2	25
78	Sexual Competition among Brothers May Influence Offspring Sex Ratio in Snakes. Evolution; International Journal of Organic Evolution, 1992, 46, 1549.	2.3	24
79	A RAPID, SEXUALLY SELECTED SHIFT IN MEAN BODY SIZE IN A POPULATION OF SNAKES. Evolution; International Journal of Organic Evolution, 1992, 46, 1220-1224.	2.3	23
80	Reproductive success, mortality and sexual size dimorphism in the adder, Vipera berus. Ecography, 1988, 11, 77-80.	4.5	22
81	Telomere Dynamics and Homeostasis in a Transmissible Cancer. PLoS ONE, 2012, 7, e44085.	2.5	22
82	Anthropogenic selection enhances cancer evolution in T asmanian devil tumours. Evolutionary Applications, 2014, 7, 260-265.	3.1	22
83	THE ROLE OF HALDANE'S RULE IN SEX ALLOCATION. Evolution; International Journal of Organic Evolution, 2005, 59, 221-225.	2.3	21
84	Sex ratio of breeding Common toads (Bufo bufo) â€“ influence of survival and skipped breeding. Amphibia - Reptilia, 2010, 31, 509-524.	0.5	21
85	CLIMATE CHANGE, MULTIPLE PATERNITY AND OFFSPRING SURVIVAL IN LIZARDS. Evolution; International Journal of Organic Evolution, 2011, 65, 3323-3326.	2.3	20
86	How well do predators adjust to climate-mediated shifts in prey distribution? A study on Australian water pythons. Ecology, 2011, 92, 777-783.	3.2	19
87	Evolution of a contagious cancer: epigenetic variation in Devil Facial Tumour Disease. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20121720.	2.6	18
88	Immunoglubolin dynamics and cancer prevalence in Tasmanian devils (Sarcophilus harrisii). Scientific Reports, 2016, 6, 25093.	3.3	18
89	Oncogenesis as a Selective Force: Adaptive Evolution in the Face of a Transmissible Cancer. BioEssays, 2018, 40, 1700146.	2.5	18
90	Komodo dragons are not ecological analogs of apex mammalian predators. Ecology, 2020, 101, e02970.	3.2	18

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91	On the Role of Colour Display in the Social and Spatial. Amphibia - Reptilia, 1987, 8, 365-371.	0.5	17
92	Haldane rules: costs of outbreeding at production of daughters in sand lizards. Ecology Letters, 2004, 7, 924-928.	6.4	17
93	Paternal Genotype Influences Incubation Period, Offspring Size, and Offspring Shape in an Oviparous Reptile. Evolution; International Journal of Organic Evolution, 1996, 50, 1328.	2.3	16
94	Climate-driven impacts of prey abundance on the population structure of a tropical aquatic predator. Oikos, 2010, 119, 188-196.	2.7	16
95	COST OF MULTIPLE MATINGS IN FEMALE ADDERS (VIPERA BERUS). Evolution; International Journal of Organic Evolution, 2011, 65, 1823-1825.	2.3	15
96	Floods and famine: climateâ€induced collapse of a tropical predatorâ€prey community. Functional Ecology, 2016, 30, 453-458.	3.6	15
97	Purifying selection and concerted evolution of RNA-sensing toll-like receptors in migratory waders. Infection, Genetics and Evolution, 2017, 53, 135-145.	2.3	15
98	Spatial subdivision within a population of tropical pythons (Liasis fuscus) in a superficially homogeneous habitat. Austral Ecology, 1998, 23, 340-348.	1.5	14
99	Climate-induced reaction norms for life-history traits in pythons. Ecology, 2011, 92, 1858-1864.	3.2	14
100	Detecting the impact of invasive species on native fauna: Cane toads (Bufo marinus), frillneck lizards (Chlamydosaurus kingii) and the importance of spatial replication. Austral Ecology, 2011, 36, 126-130.	1.5	14
101	MHC diversity and female age underpin reproductive success in an Australian icon; the Tasmanian Devil. Scientific Reports, 2018, 8, 4175.	3.3	14
102	Costly parasite resistance: a genotype-dependent handicap in sand lizards?. Biology Letters, 2005, 1, 375-377.	2.3	13
103	Queensland northern quolls are not immune to cane toad toxin. Wildlife Research, 2013, 40, 228.	1.4	13
104	Darwin, the devil, and the management of transmissible cancers. Conservation Biology, 2021, 35, 748-751.	4.7	13
105	Offspring-driven local dispersal in female sand lizards (Lacerta agilis). Journal of Evolutionary Biology, 2004, 17, 1215-1220.	1.7	12
106	Discrepancy in mitochondrial and nuclear polymorphism in meadow vipers (Vipera ursinii) questions the unambiguous use of mtDNA in conservation studies. Amphibia - Reptilia, 2005, 26, 287-292.	0.5	12
107	Transmissible cancer and the evolution of sex. PLoS Biology, 2019, 17, e3000275.	5.6	12
108	Energy versus risk: costs of reproduction in free-ranging pythons in tropical Australia. Austral Ecology, 2000, 25, 670-675.	1.5	12

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109	Toxicity of a tropical Australian frog, Litoria dahlii, to sympatric snakes. Wildlife Research, 1994, 21, 21.	1.4	11
110	Size matters: extraordinary rodent abundance on an Australian tropical flood plain. Austral Ecology, 2006, 31, 361-365.	1.5	11
111	Spatial ecology of hatchling water pythons (Liasis fuscus) in tropical Australia. Journal of Tropical Ecology, 2009, 25, 181-191.	1.1	11
112	A Rapid, Sexually Selected Shift in Mean Body Size in a Population of Snakes. Evolution; International Journal of Organic Evolution, 1992, 46, 1220.	2.3	10
113	Family and population effects on disease resistance in a reptile. Heredity, 2003, 91, 112-116.	2.6	10
114	DOES MATE GUARDING PREVENT RIVAL MATING IN SNOW SKINKS? A TEST USING AFLP. Herpetologica, 2005, 61, 389-394.	0.4	9
115	Longâ€term population dynamics in a Mediterranean aquatic snake. Ecological Research, 2011, 26, 745-753.	1.5	9
116	Diet fatty acid profile, membrane composition and lifespan: An experimental study using the blowfly (Calliphora stygia). Mechanisms of Ageing and Development, 2014, 138, 15-25.	4.6	8
117	Genetic rescue restores long-term viability of an isolated population of adders (Vipera berus). Current Biology, 2020, 30, R1297-R1299.	3.9	8
118	Female nonavian reptiles benefit from multiple matings. Molecular Ecology, 2008, 17, 3753-3753.	3.9	7
119	Population demography of frillneck lizards (<scp>C</scp>hlamydosaurus kingii,) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.5	6
120	The causes and ecological correlates of head scale asymmetry and fragmentation in a tropical snake. Scientific Reports, 2017, 7, 11363.	3.3	6
121	No signs of Na⁺/K⁺â€<scp>ATP</scp>ase adaptations to an invasive exotic toxic prey in native squamate predators. Austral Ecology, 2017, 42, 929-933.	1.5	6
122	Demography and spatial requirements of the endangered northern quoll on Groote Eylandt. Wildlife Research, 2020, 47, 224.	1.4	6
123	Telomeres, the loop tying cancer to organismal lifeâ€histories. Molecular Ecology, 2022, 31, 6273-6285.	3.9	6
124	Invasive toxic prey may imperil the survival of an iconic giant lizard, the Komodo dragon.. Pacific Conservation Biology, 2014, 20, 363.	1.0	5
125	Multiple paternity and precocial breeding in wild Tasmanian devils, Sarcophilus harrisii (Marsupialia:) Tj ETQq1 1 0.784314 rgBT /Overl	1.6	5
126	PERMANENT GENETIC RESOURCES: Characterization of triâ€and tetranucleotide microsatellite loci for the slateyâ€grey snake (Stegonotus cucullatus, Colubridae). Molecular Ecology Resources, 2008, 8, 431-433.	4.8	4

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127	Long term effects of outbreeding: experimental founding of island population eliminates malformations and improves hatching success in sand lizards. Biological Conservation, 2020, 249, 108710.	4.1	4
128	Negative frequency-dependent selection on polymorphic color morphs in adders. Current Biology, 2022, 32, 3385-3388.e3.	3.9	4
129	Transmissible cancer influences immune gene expression in an endangered marsupial, the Tasmanian devil (Sarcophilus harrisii). Molecular Ecology, 2022, 31, 2293-2311.	3.9	3
130	THE ROLE OF HALDANE'S RULE IN SEX ALLOCATION. Evolution; International Journal of Organic Evolution, 2005, 59, 221.	2.3	2
131	Severe malformation in neonate Vipera ursinii rakosiensis. Amphibia - Reptilia, 2005, 26, 388-390.	0.5	2
132	Body condition and head size in snakes. Amphibia - Reptilia, 2011, 32, 565-567.	0.5	2
133	Mass-related differences in metabolic rate and fasting endurance explain divergence in seasonal activity of Mediterranean lizards. Amphibia - Reptilia, 2022, 43, 225-234.	0.5	2
134	Female adder (Vipera berus) in southern Sweden recorded giving birth in spring. Amphibia - Reptilia, 1989, 10, 88-89.	0.5	0
135	Complete mitochondrial genome of the frillneck lizard (Chlamydosaurus kingii, Reptilia; Agamidae), another squamate with two control regions. DNA Sequence, 2008, 19, 465-470.	0.7	0
136	Dog attacks on adders; a comment on Worthingtonâ€Hill & Gill (2019). Animal Conservation, 2020, 23, 119-120.	2.9	0