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	Transmissible cancer influences immune gene expression in an endangered marsupial, the Tasmanian devil (Sarcophilus harrisii). Molecular Ecology, 2022, 31, 2293-2311.	3.9	3
2	Telomeres, the loop tying cancer to organismal lifeâ€histories. Molecular Ecology, 2022, 31, 6273-6285.	3.9	6
3	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
4	Negative frequency-dependent selection on polymorphic color morphs in adders. Current Biology, 2022, 32, 3385-3388.e3.	3.9	4
5	Darwin, the devil, and the management of transmissible cancers. Conservation Biology, 2021, 35, 748-751.	4.7	13
6	Dog attacks on adders; a comment on Worthingtonâ€Hill & Gill (2019). Animal Conservation, 2020, 23, 119-120.	2.9	0
7	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
8	Genetic rescue restores long-term viability of an isolated population of adders (Vipera berus). Current Biology, 2020, 30, R1297-R1299.	3.9	8
9	Komodo dragons are not ecological analogs of apex mammalian predators. Ecology, 2020, 101, e02970.	3.2	18
10	Demography and spatial requirements of the endangered northern quoll on Groote Eylandt. Wildlife Research, 2020, 47, 224.	1.4	6
11	Transmissible cancer and the evolution of sex. PLoS Biology, 2019, 17, e3000275.	5.6	12
12	Multiple paternity and precocial breeding in wild Tasmanian devils, Sarcophilus harrisii (Marsupialia:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	5
13	Oncogenesis as a Selective Force: Adaptive Evolution in the Face of a Transmissible Cancer. BioEssays, 2018, 40, 1700146.	2.5	18
14	Genetic diversity, inbreeding and cancer. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172589.	2.6	39
15	MHC diversity and female age underpin reproductive success in an Australian icon; the Tasmanian Devil. Scientific Reports, 2018, 8, 4175.	3.3	14
16	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
17	The causes and ecological correlates of head scale asymmetry and fragmentation in a tropical snake. Scientific Reports, 2017, 7, 11363.	3.3	6
18	Curvilinear telomere length dynamics in a squamate reptile. Functional Ecology, 2017, 31, 753-759.	3.6	39

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19	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
20	Cancer Prevalence and Etiology in Wild and Captive Animals. , 2017, , 11-46.		58
21	Immunoglubolin dynamics and cancer prevalence in Tasmanian devils (Sarcophilus harrisii). Scientific Reports, 2016, 6, 25093.	3.3	18
22	Floods and famine: climateâ€induced collapse of a tropical predatorâ€prey community. Functional Ecology, 2016, 30, 453-458.	3.6	15
23	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
24	Population demography of frillneck lizards (<scp>C</scp>hlamydosaurus kingii,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.5	6
25	Anthropogenic selection enhances cancer evolution in T asmanian devil tumours. Evolutionary Applications, 2014, 7, 260-265.	3.1	22
26	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
27	Invasive toxic prey may imperil the survival of an iconic giant lizard, the Komodo dragon.. Pacific Conservation Biology, 2014, 20, 363.	1.0	5
28	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
29	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
30	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
31	Queensland northern quolls are not immune to cane toad toxin. Wildlife Research, 2013, 40, 228.	1.4	13
32	Telomere Dynamics and Homeostasis in a Transmissible Cancer. PLoS ONE, 2012, 7, e44085.	2.5	22
33	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
34	Climate-induced reaction norms for life-history traits in pythons. Ecology, 2011, 92, 1858-1864.	3.2	14
35	Do natural antibodies compensate for humoral immunosenescence in tropical pythons?. Functional Ecology, 2011, 25, 813-817.	3.6	40
36	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

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37	COST OF MULTIPLE MATINGS IN FEMALE ADDERS (VIPERA BERUS). Evolution; International Journal of Organic Evolution, 2011, 65, 1823-1825.	2.3	15
38	CLIMATE CHANGE, MULTIPLE PATERNITY AND OFFSPRING SURVIVAL IN LIZARDS. Evolution; International Journal of Organic Evolution, 2011, 65, 3323-3326.	2.3	20
39	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
40	Longâ€term population dynamics in a Mediterranean aquatic snake. Ecological Research, 2011, 26, 745-753.	1.5	9
41	Body condition and head size in snakes. Amphibia - Reptilia, 2011, 32, 565-567.	0.5	2
42	Climate-driven impacts of prey abundance on the population structure of a tropical aquatic predator. Oikos, 2010, 119, 188-196.	2.7	16
43	Sex ratio of breeding Common toads (Bufo bufo) â€“ influence of survival and skipped breeding. Amphibia - Reptilia, 2010, 31, 509-524.	0.5	21
44	Short Telomeres in Hatchling Snakes: Erythrocyte Telomere Dynamics and Longevity in Tropical Pythons. PLoS ONE, 2009, 4, e7493.	2.5	56
45	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
46	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
47	Spatial ecology of hatchling water pythons (Liasis fuscus) in tropical Australia. Journal of Tropical Ecology, 2009, 25, 181-191.	1.1	11
48	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
49	Population genetic structure, gene flow and sexâ€biased dispersal in frillneck lizards (Chlamydosaurus kingii). Molecular Ecology, 2008, 17, 3557-3564.	3.9	41
50	Maleâ€biased dispersal in a tropical Australian snake (Stegonotus cucullatus, Colubridae). Molecular Ecology, 2008, 17, 3506-3514.	3.9	56
51	Female nonavian reptiles benefit from multiple matings. Molecular Ecology, 2008, 17, 3753-3753.	3.9	7
52	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
53	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
54	Mitochondrial DNA recombination in a free-ranging Australian lizard. Biology Letters, 2007, 3, 189-192.	2.3	62

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55	Do â€œinfectiousâ€•prey select for high levels of natural antibodies in tropical pythons?. Evolutionary Ecology, 2007, 21, 271-279.	1.2	25
56	Maximum body size among insular Komodo dragon populations covaries with large prey density. Oikos, 2006, 112, 422-429.	2.7	76
57	MHC class I variation associates with parasite resistance and longevity in tropical pythons. Journal of Evolutionary Biology, 2006, 19, 1973-1978.	1.7	71
58	Size matters: extraordinary rodent abundance on an Australian tropical flood plain. Austral Ecology, 2006, 31, 361-365.	1.5	11
59	Rain, rats and pythons: Climate-driven population dynamics of predators and prey in tropical Australia. Austral Ecology, 2006, 31, 30-37.	1.5	89
60	Age, parasites, and condition affect humoral immune response in tropical pythons. Behavioral Ecology, 2006, 17, 20-24.	2.2	70
61	DOES MATE GUARDING PREVENT RIVAL MATING IN SNOW SKINKS? A TEST USING AFLP. Herpetologica, 2005, 61, 389-394.	0.4	9
62	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
63	Paternal alleles enhance female reproductive success in tropical pythons. Molecular Ecology, 2005, 14, 1783-1787.	3.9	27
64	THE ROLE OF HALDANE'S RULE IN SEX ALLOCATION. Evolution; International Journal of Organic Evolution, 2005, 59, 221-225.	2.3	21
65	MHC, health, color, and reproductive success in sand lizards. Behavioral Ecology and Sociobiology, 2005, 58, 289-294.	1.4	37
66	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
67	THE ROLE OF HALDANE'S RULE IN SEX ALLOCATION. Evolution; International Journal of Organic Evolution, 2005, 59, 221.	2.3	2
68	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
69	Severe malformation in neonate Vipera ursinii rakosiensis. Amphibia - Reptilia, 2005, 26, 388-390.	0.5	2
70	Costly parasite resistance: a genotype-dependent handicap in sand lizards?. Biology Letters, 2005, 1, 375-377.	2.3	13
71	Offspring-driven local dispersal in female sand lizards (Lacerta agilis). Journal of Evolutionary Biology, 2004, 17, 1215-1220.	1.7	12
72	Haldane rules: costs of outbreeding at production of daughters in sand lizards. Ecology Letters, 2004, 7, 924-928.	6.4	17

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73	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
74	High Prevalence of Hepatozoon Spp. (Apicomplexa, Hepatozoidae) Infection in Water Pythons (Liasis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	154
75	Novel genes continue to enhance population growth in adders (Vipera berus). Biological Conservation, 2004, 120, 145-147.	4.1	83
76	Family and population effects on disease resistance in a reptile. Heredity, 2003, 91, 112-116.	2.6	10
77	Major histocompatibility complex and mate choice in sand lizards. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, S254-6.	2.6	219
78	Responses of three sympatric snake species to tropical seasonality in northern Australia. Journal of Tropical Ecology, 2002, 18, 549-568.	1.1	62
79	Low genetic diversity threatens imminent extinction for the Hungarian meadow viper (Vipera ursinii) Tj ETQq1 1 0.784314 rgBT /Over	4.1	56
80	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
81	Between-year variation in determinants of offspring survival in the Sand Lizard, Lacerta agilis. Functional Ecology, 2001, 15, 443-450.	3.6	25
82	Promiscuity in Sand Lizards (Lacerta agilis) and Adder Snakes (Vipera berus): Causes and Consequences. , 2001, 92, 190-197.		67
83	Energy versus risk: costs of reproduction in freeâ€ranging pythons in tropical Australia. Austral Ecology, 2000, 25, 670-675.	1.5	55
84	Rain, fish and snakes: climatically driven population dynamics of Arafura filesnakes in tropical Australia. Oecologia, 2000, 124, 208-215.	2.0	87
85	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
86	Population size and genetic diversity in sand lizards (Lacerta agilis) and adders (Vipera berus). Biological Conservation, 2000, 94, 257-262.	4.1	63
87	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
88	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
89	Energy versus risk: costs of reproduction in free-ranging pythons in tropical Australia. Austral Ecology, 2000, 25, 670-675.	1.5	12
90	LIFE HISTORY CONSEQUENCES OF NEST-SITE VARIATION IN TROPICAL PYTHONS (LIASIS FUSCUS). Ecology, 1999, 80, 989-997.	3.2	77

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91	Rainfall and rats: Climatically-driven dynamics of a tropical rodent population. Austral Ecology, 1999, 24, 80-89.	1.5	105
92	The adjustment of reproductive threshold to prey abundance in a capital breeder. Journal of Animal Ecology, 1999, 68, 571-580.	2.8	110
93	Restoration of an inbred adder population. Nature, 1999, 402, 34-35.	27.8	501
94	MHC variation in birds and reptiles. Genetica, 1998, 104, 301-309.	1.1	36
95	Spatial subdivision within a population of tropical pythons (Liasis fuscus) in a superficially homogeneous habitat. Austral Ecology, 1998, 23, 340-348.	1.5	14
96	Quantity or quality? Determinants of maternal reproductive success in tropical pythons (Liasis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	2.6	45
97	Sexual Selection and Sperm Competition in Reptiles. , 1998, , 503-577.		187
98	PREY ABUNDANCE AND PREDATOR REPRODUCTION: RATS AND PYTHONS ON A TROPICAL AUSTRALIAN FLOODPLAIN. Ecology, 1997, 78, 1078-1086.	3.2	92
99	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
100	Sperm choice by females. Trends in Ecology and Evolution, 1997, 12, 445-446.	8.7	28
101	Inbreeding depression in an isolated population of adders Vipera berus. Biological Conservation, 1996, 75, 113-118.	4.1	190
102	Seasonal Migration of Predators and Prey--A Study of Pythons and Rats in Tropical Australia. Ecology, 1996, 77, 149-156.	3.2	159
103	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
104	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
105	Sperm selection by females. Nature, 1996, 383, 585-585.	27.8	258
106	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
107	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
108	Sexual Dichromatism in Snakes of the Genus Vipera: A Review and a New Evolutionary Hypothesis. Journal of Herpetology, 1994, 28, 114.	0.5	50

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109	Can female adders multiply?. Nature, 1994, 369, 528-528.	27.8	80
110	Rewards of promiscuity. Nature, 1994, 372, 230-230.	27.8	50
111	Costs of Reproduction Influence the Evolution of Sexual Size Dimorphism in Snakes. Evolution; International Journal of Organic Evolution, 1994, 48, 1389.	2.3	26
112	Toxicity of a tropical Australian frog, Litoria dahlii, to sympatric snakes. Wildlife Research, 1994, 21, 21.	1.4	11
113	Components of Lifetime Reproductive Success in Adders, Vipera berus. Journal of Animal Ecology, 1994, 63, 561.	2.8	39
114	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
115	Costs of reproduction in a population of European adders. Oecologia, 1993, 94, 488-495.	2.0	125
116	Determinants of mating success in male adders, Vipera berus. Animal Behaviour, 1993, 45, 491-499.	1.9	159
117	Male Mating Success and Body Size in European Grass Snakes. Copeia, 1993, 1993, 561.	1.3	70
118	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
119	Temporal Variability in Sexual Selection Acting on Reproductive Tactics and Body Size in Male Snakes. American Naturalist, 1993, 141, 167-171.	2.1	134
120	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
121	SEXUAL COMPETITION AMONG BROTHERS MAY INFLUENCE OFFSPRING SEX RATIO IN SNAKES. Evolution; International Journal of Organic Evolution, 1992, 46, 1549-1552.	2.3	30
122	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
123	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
124	Sexual Competition among Brothers May Influence Offspring Sex Ratio in Snakes. Evolution; International Journal of Organic Evolution, 1992, 46, 1549.	2.3	24
125	Determinants of reproductive success in female adders, Vipera berus. Oecologia, 1992, 92, 40-47.	2.0	106
126	Why do female adders copulate so frequently?. Nature, 1992, 355, 440-441.	27.8	339

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127	Breeding pond fidelity in the common toad, Bufo bufo. Journal of Zoology, 1991, 225, 201-211.	1.7	102
128	Female adder (Vipera berus) in southern Sweden recorded giving birth in spring. Amphibia - Reptilia, 1989, 10, 88-89.	0.5	0
129	The Effect of Size Dependent Mortality on Colour Morphs in Male Adders, Vipera berus. Oikos, 1988, 52, 73.	2.7	27
130	Reproductive success, mortality and sexual size dimorphism in the adder, Vipera berus. Ecography, 1988, 11, 77-80.	4.5	22
131	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
132	Are Juvenile Grass Snakes, Natrix natrix, Aposematically Coloured?. Oikos, 1987, 48, 265.	2.7	56
133	On the Role of Colour Display in the Social and Spatial. Amphibia - Reptilia, 1987, 8, 365-371.	0.5	17
134	Multiple Paternity in the Adder, Vipera berus. Oikos, 1986, 47, 173.	2.7	52
135	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
136	Notes on the Biology of the Fish-Eating Snake Lycodonomorphus bicolor in Lake Tanganyika. Journal of Herpetology, 1982, 16, 185.	0.5	29