Denis Reale

List of Publications by Year
in descending order

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125 papers	15,778 citations	44069 48 h-index	18130 120 g-index
132 all docs	132 docs citations	132 times ranked	10400 citing authors

#	Article	IF	Citations
1	Integrating animal temperament within ecology and evolution. Biological Reviews, 2007, 82, 291-318.	10.4	2,671
2	Behavioural reaction norms: animal personality meets individual plasticity. Trends in Ecology and Evolution, 2010, 25, 81-89.	8.7	1,223
3	Personality and the emergence of the pace-of-life syndrome concept at the population level. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 4051-4063.	4.0	1,081
4	An ecologistâ€™s guide to the animal model. Journal of Animal Ecology, 2010, 79, 13-26.	2.8	849
5	Natural selection and animal personality. Behaviour, 2005, 142, 1159-1184.	0.8	704
6	Energy metabolism and animal personality. Oikos, 2008, 117, 641-653.	2.7	689
7	Robustness of linear mixedâ€effects models to violations of distributional assumptions. Methods in Ecology and Evolution, 2020, 11, 1141-1152.	5.2	528
8	Evolutionary and ecological approaches to the study of personality. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3937-3946.	4.0	442
9	Consistency of temperament in bighorn ewes and correlates with behaviour and life history. Animal Behaviour, 2000, 60, 589-597.	1.9	389
10	Genetic and plastic responses of a northern mammal to climate change. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 591-596.	2.6	383
11	Predator-induced natural selection on temperament in bighorn ewes. Animal Behaviour, 2003, 65, 463-470.	1.9	310
12	Temperament, risk assessment and habituation to novelty in eastern chipmunks, Tamias striatus. Animal Behaviour, 2008, 75, 309-318.	1.9	298
13	Measuring individual differences in reaction norms in field and experimental studies: a power analysis of random regression models. Methods in Ecology and Evolution, 2011, 2, 362-374.	5.2	289
14	Wildlife conservation and animal temperament: causes and consequences of evolutionary change for captive, reintroduced, and wild populations. Animal Conservation, 2006, 9, 39-48.	2.9	255
15	Selection, structure and the heritability of behaviour. Journal of Evolutionary Biology, 2002, 15, 277-289.	1.7	231
16	The interaction between personality, offspring fitness and food abundance in North American red squirrels. Ecology Letters, 2007, 10, 1094-1104.	6.4	231
17	Individual experience and evolutionary history of predation affect expression of heritable variation in fish personality and morphology. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1285-1293.	2.6	225
18	Personality, space use and tick load in an introduced population of Siberian chipmunks Tamias sibiricus. Journal of Animal Ecology, 2010, 79, 538-547.	2.8	216

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19	Personality, habitat use, and their consequences for survival in North American red squirrels Tamiasciurus hudsonicus. Oikos, 2008, 117, 1321-1328.	2.7	210
20	Keeping Pace with Fast Climate Change: Can Arctic Life Count on Evolution?. Integrative and Comparative Biology, 2004, 44, 140-151.	2.0	207
21	Male personality, lifeâ€history strategies and reproductive success in a promiscuous mammal. Journal of Evolutionary Biology, 2009, 22, 1599-1607.	1.7	191
22	Pace-of-life syndromes: a framework for the adaptive integration of behaviour, physiology and life history. Behavioral Ecology and Sociobiology, 2018, 72, 1.	1.4	191
23	The Pace of Life under Artificial Selection: Personality, Energy Expenditure, and Longevity Are Correlated in Domestic Dogs. American Naturalist, 2010, 175, 753-758.	2.1	183
24	Early development, adult mass, and reproductive success in bighorn sheep. Behavioral Ecology, 2000, 11, 633-639.	2.2	151
25	How do misassigned paternities affect the estimation of heritability in the wild?. Molecular Ecology, 2005, 14, 2839-2850.	3.9	148
26	Social niche specialization under constraints: personality, social interactions and environmental heterogeneity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120343.	4.0	141
27	Ontogeny of Additive and Maternal Genetic Effects: Lessons from Domestic Mammals. American Naturalist, 2006, 167, E23-E38.	2.1	134
28	Indirect genetic effects and the evolution of aggression in a vertebrate system. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 533-541.	2.6	133
29	Heritability of body mass varies with age and season in wild bighorn sheep. Heredity, 1999, 83, 526-532.	2.6	126
30	MATERNAL EFFECTS AND THE POTENTIAL FOR EVOLUTION IN A NATURAL POPULATION OF ANIMALS. Evolution; International Journal of Organic Evolution, 2002, 56, 846-851.	2.3	121
31	Female-biased mortality induced by male sexual harassment in a feral sheep population. Canadian Journal of Zoology, 1996, 74, 1812-1818.	1.0	119
32	Evidence for evolution in response to natural selection in a contemporary human population. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17040-17045.	7.1	116
33	The pace-of-life syndrome revisited: the role of ecological conditions and natural history on the slow-fast continuum. Behavioral Ecology and Sociobiology, 2018, 72, 1.	1.4	113
34	Archiving Primary Data: Solutions for Long-Term Studies. Trends in Ecology and Evolution, 2015, 30, 581-589.	8.7	98
35	Personality differences are related to long-term stress reactivity in a population of wild eastern chipmunks, Tamias striatus. Animal Behaviour, 2012, 84, 1071-1079.	1.9	97
36	LIFETIME SELECTION ON HERITABLE LIFE-HISTORY TRAITS IN A NATURAL POPULATION OF RED SQUIRRELS. Evolution; International Journal of Organic Evolution, 2003, 57, 2416-2423.	2.3	93

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37	Individual variation in temporal activity patterns in open-field tests. Animal Behaviour, 2010, 80, 905-912.	1.9	89
38	Testing for the presence of coping styles in a wild mammal. Animal Behaviour, 2013, 85, 1385-1396.	1.9	89
39	The energetic and oxidative costs of reproduction in a free-ranging rodent. Functional Ecology, 2011, 25, 1063-1071.	3.6	88
40	SELECTION ON HERITABLE SEASONAL PHENOTYPIC PLASTICITY OF BODY MASS. Evolution; International Journal of Organic Evolution, 2007, 61, 1969-1979.	2.3	84
41	Anticipation and tracking of pulsed resources drive population dynamics in eastern chipmunks. Ecology, 2011, 92, 2027-2034.	3.2	79
42	Disentangling the roles of frequency-vs. state-dependence in generating individual differences in behavioural plasticity. Ecology Letters, 2011, 14, 1254-1262.	6.4	73
43	Individual quality: tautology or biological reality?. Journal of Animal Ecology, 2011, 80, 361-364.	2.8	69
44	Unexpected heterozygosity in an island mouflon population founded by a single pair of individuals. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 527-533.	2.6	67
45	Flight Initiation Distance and Starting Distance: Biological Effect or Mathematical Artefact?. Ethology, 2012, 118, 1051-1062.	1.1	64
46	Correcting for the impact of gregariousness in social network analyses. Animal Behaviour, 2013, 85, 553-558.	1.9	64
47	Interplay between plasma oxidative status, cortisol and coping styles in wild alpine marmots, Marmota marmota. Journal of Experimental Biology, 2012, 215, 374-383.	1.7	61
48	Personalities influence spatial responses to environmental fluctuations in wild fish. Journal of Animal Ecology, 2018, 87, 1309-1319.	2.8	61
49	Value of captive populations for quantitative genetics research. Trends in Ecology and Evolution, 2009, 24, 263-270.	8.7	52
50	Individual level consistency and correlations of fish spatial behaviour assessed from aquatic animal telemetry. Animal Behaviour, 2017, 124, 83-94.	1.9	48
51	Personality and individual social specialisation. , 2010, , 417-441.		47
52	Energy expenditure and personality in wild chipmunks. Behavioral Ecology and Sociobiology, 2015, 69, 653-661.	1.4	46
53	Pulsed resources and the coupling between lifeâ€history strategies and exploration patterns in eastern chipmunks (<scp>T</scp>amias striatus). Journal of Animal Ecology, 2014, 83, 720-728.	2.8	45
54	Statistical Quantification of Individual Differences (SQuID): an educational and statistical tool for understanding multilevel phenotypic data in linear mixed models. Methods in Ecology and Evolution, 2017, 8, 257-267.	5.2	45

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55	Quantitative genetics of life-history traits in a long-lived wild mammal. Heredity, 2000, 85, 593-603.	2.6	42
56	The energetic and survival costs of growth in free-ranging chipmunks. Oecologia, 2013, 171, 11-23.	2.0	42
57	Independence between coping style and stress reactivity in plateau pika. Physiology and Behavior, 2018, 197, 1-8.	2.1	38
58	Individual variation in energyâ€saving heterothermy affects survival and reproductive success. Functional Ecology, 2017, 31, 866-875.	3.6	37
59	Context-dependent correlation between resting metabolic rate and daily energy expenditure in wild chipmunks. Journal of Experimental Biology, 2013, 216, 418-26.	1.7	35
60	Environmental heterogeneity and population differences in blue tits personality traits. Behavioral Ecology, 2016, 28, arw148.	2.2	29
61	Environmental conditions affect spatial genetic structures and dispersal patterns in a solitary rodent. Molecular Ecology, 2012, 21, 5363-5373.	3.9	27
62	Collision between biological process and statistical analysis revealed by mean centring. Journal of Animal Ecology, 2020, 89, 2813-2824.	2.8	27
63	Noninvasive Monitoring of Fecal Cortisol Metabolites in the Eastern Chipmunk (Tamias) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Zoology, 2012, 85, 183-193.	1.5	25
64	Connecting the data landscape of longâ€term ecological studies: The SPIâ€Birds data hub. Journal of Animal Ecology, 2021, 90, 2147-2160.	2.8	25
65	Stress-induced rise in body temperature is repeatable in free-ranging Eastern chipmunks (Tamias) Tj ETQq1 1 0.784314 rgBT /Overlock 2012, 182, 403-414.	1.5	24
66	Disentangling the relative roles of resource acquisition and allocation on animal feed efficiency: insights from a dairy cow model. Genetics Selection Evolution, 2016, 48, 72.	3.0	24
67	Diurnal time budget of the mouflon (Ovis musimon) on the Kerguelen archipelago: influence of food resources, age, and sex. Canadian Journal of Zoology, 1997, 75, 1828-1834.	1.0	23
68	Comparative Rumen and Fecal Diet Microhistological Determinations of European Mouflon. Journal of Range Management, 2001, 54, 239.	0.3	23
69	Quantitative genetics of oviposition behaviour and interactions among oviposition traits in the sand cricket. Animal Behaviour, 2002, 64, 397-406.	1.9	23
70	Spying on small wildlife sounds using affordable collar-mounted miniature microphones: an innovative method to record individual daylong vocalisations in chipmunks. Scientific Reports, 2015, 5, 10118.	3.3	22
71	Exploration profiles drive activity patterns and temporal niche specialization in a wild rodent. Behavioral Ecology, 2020, 31, 772-783.	2.2	21
72	Frequency-dependent payoffs and sequential decision-making favour consistent tactic use. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1977-1985.	2.6	20

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73	Rapid phenotypic changes in Caenorhabditis elegans under uranium exposure. Ecotoxicology, 2013, 22, 862-868.	2.4	20
74	Rapid evolutionary responses of life history traits to different experimentally-induced pollutions in Caenorhabditis elegans. BMC Evolutionary Biology, 2014, 14, 252.	3.2	20
75	Determinants, selection and heritability of docility in wild eastern chipmunks (Tamias striatus). Behavioral Ecology and Sociobiology, 2017, 71, 1.	1.4	20
76	Adaptation costs to constant and alternating polluted environments. Evolutionary Applications, 2017, 10, 839-851.	3.1	18
77	Signaler and receiver boldness influence response to alarm calls in eastern chipmunks. Behavioral Ecology, 2018, 29, 212-220.	2.2	18
78	Bateman gradients in a promiscuous mating system. Behavioral Ecology and Sociobiology, 2012, 66, 1125-1130.	1.4	17
79	Estimation and comparison of heritability and parentâ€“offspring resemblance in dispersal probability from captureâ€“recapture data using different methods: the Collared Flycatcher as a case study. Journal of Ornithology, 2012, 152, 539-554.	1.1	17
80	THE QUANTITATIVE GENETICS OF FLUCTUATING ASYMMETRY: A COMPARISON OF TWO MODELS. Evolution; International Journal of Organic Evolution, 2004, 58, 47-58.	2.3	16
81	Bacterial microbiota similarity between predators and prey in a blue tit trophic network. ISME Journal, 2021, 15, 1098-1107.	9.8	16
82	Female mountain goats, Oreamnos americanus , associate according to kinship and reproductive status. Animal Behaviour, 2015, 108, 101-107.	1.9	15
83	Evidence of genetic basis of zoophagy and nymphal developmental time in isogroup lines of the zoophytophagous mullein bug, Campylomma verbasci. BioControl, 2016, 61, 425-435.	2.0	15
84	Ageâ€dependent phenological plasticity in a wild bird. Journal of Animal Ecology, 2020, 89, 2733-2741.	2.8	14
85	Coexistence of zoophytophagous and phytozoophagous strategies linked to genotypic diet specialization in plant bug. PLoS ONE, 2017, 12, e0176369.	2.5	13
86	Plasticity, state-dependency, and individual consistency in Canada goose nest defense behavior. Behavioral Ecology and Sociobiology, 2019, 73, 1.	1.4	12
87	Social selection acts on behavior and body mass but does not contribute to the total selection differential in eastern chipmunks. Evolution; International Journal of Organic Evolution, 2020, 74, 89-102.	2.3	12
88	Consumption of red maple in anticipation of beech mastâ€seeding drives reproduction in eastern chipmunks. Journal of Animal Ecology, 2020, 89, 1190-1201.	2.8	12
89	Assessing anti-predator decisions of foraging eastern chipmunks under varying perceived risks: the effects of physical and social environments on vigilance. Behaviour, 2017, 154, 131-148.	0.8	11
90	Plasticity in laying dates of Canada Geese in response to spring phenology. Ibis, 2018, 160, 597-607.	1.9	11

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91	Local effects of inbreeding on embryo number and consequences for genetic diversity in Kerguelen mouflon. Biology Letters, 2008, 4, 504-507.	2.3	10
92	Solutions for Archiving Data in Long-Term Studies: A Reply to Whitlock et al.. Trends in Ecology and Evolution, 2016, 31, 85-87.	8.7	10
93	Gene flow does not prevent personality and morphological differentiation between two blue tit populations. Journal of Evolutionary Biology, 2018, 31, 1127-1137.	1.7	10
94	Can Isogroup Selection of Highly Zoophagous Lines of a Zoophytophagous Bug Improve Biocontrol of Spider Mites in Apple Orchards?. Insects, 2019, 10, 303.	2.2	10
95	Mapping the dynamics of research networks in ecology and evolution using co-citation analysis (1975â€“2014). Scientometrics, 2020, 122, 1361-1385.	3.0	10
96	Pollution Breaks Down the Genetic Architecture of Life History Traits in Caenorhabditis elegans. PLoS ONE, 2015, 10, e0116214.	2.5	10
97	Eco-evolutionary dynamics in a contemporary human population. Nature Communications, 2017, 8, 15947.	12.8	9
98	Among-population divergence in personality is linked to altitude in plateau pikas (Ochotona) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	2.0	9
99	Behavioral variation in natural contests: integrating plasticity and personality. Behavioral Ecology, 2021, 32, 277-285.	2.2	9
100	Indirect genetic and environmental effects on behaviors, morphology, and lifeâ€history traits in a wild Eastern chipmunk population. Evolution; International Journal of Organic Evolution, 2021, 75, 1492-1512.	2.3	9
101	INBREEDING, DEVELOPMENTAL STABILITY, AND CANALIZATION IN THE SAND CRICKET GRYLLUS FIRMUS. Evolution; International Journal of Organic Evolution, 2003, 57, 597.	2.3	8
102	The effects of cyclic dynamics and mating system on the effective size of an island mouflon population. Molecular Ecology, 2007, 16, 4482-4492.	3.9	8
103	Isogroup Selection to Optimize Biocontrol Increases Cannibalism in Omnivorous (Zoophytophagous) Bugs. Insects, 2017, 8, 74.	2.2	8
104	Developmental and genetic effects on behavioral and lifeâ€history traits in a field cricket. Ecology and Evolution, 2019, 9, 3434-3445.	1.9	8
105	The island syndrome hypothesis is only partially validated in two rodent species in an inlandâ€“island system. Oikos, 2020, 129, 1739-1751.	2.7	8
106	Coordination in parental effort decreases with age in a longâ€lived seabird. Oikos, 2020, 129, 1763-1772.	2.7	8
107	Individual and environmental determinants of Cuterebra bot fly parasitism in the eastern chipmunk (Tamias striatus). Oecologia, 2020, 193, 359-370.	2.0	8
108	Telomere length positively correlates with paceâ€ofâ€life in a sexâ€and cohortâ€specific way and elongates with age in a wild mammal. Molecular Ecology, 2022, 31, 3812-3826.	3.9	7

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109	Helpers influence on territory use and maintenance in Alpine marmot groups. Behaviour, 2015, 152, 1391-1412.	0.8	6
110	Similarity in nest defense intensity in Canada goose pairs. Behavioral Ecology and Sociobiology, 2019, 73, 1.	1.4	5
111	Quantifying heritability and estimating evolutionary potential in the wild when individuals that share genes also share environments. Journal of Animal Ecology, 2022, 91, 1239-1250.	2.8	5
112	Early growth trajectories affect sexual responsiveness. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132899.	2.6	4
113	Development and characterization of 14 microsatellites for the eastern chipmunk, Tamias striatus. Molecular Biology Reports, 2020, 47, 6393-6397.	2.3	4
114	Sex, body size, and boldness shape the seasonal foraging habitat selection in southern elephant seals. Ecology and Evolution, 2022, 12, e8457.	1.9	4
115	Differences in the temporal scale of reproductive investment across the slowâ€fast continuum in a passerine. Ecology Letters, 2022, 25, 1139-1151.	6.4	4
116	BIANNUAL REPRODUCTIVE CYCLE IN THE KERGUELEN FERAL SHEEP POPULATION. Journal of Mammalogy, 2000, 81, 169-178.	1.3	3
117	Solar Irradiance, Survival and Longevity in a Pre-industrial Human Population. Human Ecology, 2014, 42, 645-650.	1.4	3
118	Resource Availability, Sex, and Individual Differences in Exploration Drive Individual Diet Specialization. American Naturalist, 2022, 200, 1-16.	2.1	3
119	ESTIMATING GENETIC CORRELATIONS IN NATURAL POPULATIONS IN THE ABSENCE OF PEDIGREE INFORMATION: ACCURACY AND PRECISION OF THE LYNCH METHOD. Evolution; International Journal of Organic Evolution, 2001, 55, 1249.	2.3	2
120	Linking genetic, morphological, and behavioural divergence between inland island and mainland deer mice. Heredity, 2022, 128, 97-106.	2.6	2
121	Into the wildâ€”<scp>WAMBAM</scp> goes to Canada. Molecular Ecology, 2018, 27, 1098-1102.	3.9	1
122	Evolution of Adaptive Individual Differences in Non-human Animals. , 2020, , 279-299.		1
123	The Feast and the Famine: Spring Body Mass Variations and Life History Traits in a Pulse Resource Ecosystem. American Naturalist, 2022, 200, 598-606.	2.1	1
124	Spatio-temporal variation in oxidative status regulation in a small mammal. PeerJ, 2019, 7, e7801.	2.0	0
125	While the quollâ€™s away, the mice will playâ€¦ and the seeds will pay. Peer Community in Ecology, 0, , .	0.0	0