Richard M Sibly

List of Publications by Year
in descending order

178	12,051	25034	30922
papers	citations	57 h-index	102 g-index

191	191	191	11311
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Producers and scroungers: A general model and its application to captive flocks of house sparrows. Animal Behaviour, 1981, 29, 543-550.	1.9	683
2	Why are organisms usually bigger in colder environments? Making sense of a life history puzzle. Trends in Ecology and Evolution, 1997, 12, 235-239.	8.7	650
3	Optimal foraging when regulating intake of multiple nutrients. Animal Behaviour, 2004, 68, 1299-1311.	1.9	480
4	Population growth rate and its determinants: an overview. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1153-1170.	4.0	379
5	On the Regulation of Populations of Mammals, Birds, Fish, and Insects. Science, 2005, 309, 607-610.	12.6	366
6	A life-cycle theory of responses to stress. Biological Journal of the Linnean Society, 1989, 37, 101-116.	1.6	363
7	Shifts in metabolic scaling, production, and efficiency across major evolutionary transitions of life. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12941-12945.	7.1	341
8	On the Fitness of Behavior Sequences. American Naturalist, 1976, 110, 601-617.	2.1	282
9	The allometry of ornaments and weapons. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8733-8738.	7.1	265
10	The Evolution of Maximum Body Size of Terrestrial Mammals. Science, 2010, 330, 1216-1219.	12.6	252
11	Effects of body size and lifestyle on evolution of mammal life histories. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17707-17712.	7.1	211
12	Splitting behaviour into bouts. Animal Behaviour, 1990, 39, 63-69.	1.9	209
13	The behavioural final common path. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1975, 270, 265-293.	2.3	193
14	How Rearing Temperature Affects Optimal Adult Size in Ectotherms. Functional Ecology, 1994, 8, 486.	3.6	190
15	A Physiological Basis of Population Processes: Ecotoxicological Implications. Functional Ecology, 1990, 4, 283.	3.6	183
16	A general basis for quarter-power scaling in animals. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15816-15820.	7.1	171
17	A model of mate desertion. Animal Behaviour, 1978, 26, 645-652.	1.9	161
18	The effect of new environment on adapted genetic architecture. Heredity, 1990, 64, 323-330.	2.6	159

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19	Effects of handling and transportation on the heart rate and behaviour of sheep. Applied Animal Behaviour Science, 1990, 28, 15-39.	1.9	155
20	The extrapolation problem and how population modeling can help. Environmental Toxicology and Chemistry, 2008, 27, 1987-1994.	4.3	154
21	An integrated approach to life-cycle evolution using selective landscapes. Journal of Theoretical Biology, 1983, 102, 527-547.	1.7	150
22	Likelihood-Based Estimation of Microsatellite Mutation Rates. Genetics, 2003, 164, 781-787.	2.9	145
23	Risk assessment on the basis of simplified lifeâ€history scenarios. Environmental Toxicology and Chemistry, 1997, 16, 1983-1989.	4.3	144
24	Chronic toxicity of ibuprofen to Daphnia magna: Effects on life history traits and population dynamics. Toxicology Letters, 2007, 172, 137-145.	0.8	141
25	Are patterns of growth adaptive?. Journal of Theoretical Biology, 1985, 112, 553-574.	1.7	139
26	Life-history evolution under a production constraint. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17595-17599.	7.1	134
27	Systems biology meets stress ecology: linking molecular and organismal stress responses in Daphnia magna. Genome Biology, 2008, 9, R40.	9.6	130
28	Representing the acquisition and use of energy by individuals in agentâ€based models of animal populations. Methods in Ecology and Evolution, 2013, 4, 151-161.	5.2	126
29	Metabolic theory predicts whole-ecosystem properties. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2617-2622.	7.1	117
30	Calibration and evaluation of individual-based models using Approximate Bayesian Computation. Ecological Modelling, 2015, 312, 182-190.	2.5	112
31	Expression of target and reference genes in Daphnia magna exposed to ibuprofen. BMC Genomics, 2006, 7, 175.	2.8	111
32	The maximum rate of mammal evolution. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4187-4190.	7.1	107
33	Energetics, lifestyle, and reproduction in birds. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10937-10941.	7.1	106
34	TOXICANT IMPACTS ON DENSITY-LIMITED POPULATIONS: A CRITICAL REVIEW OF THEORY, PRACTICE, AND RESULTS. , 2001, 11, 1249-1257.		96
35	Linking Molecular and Population Stress Responses in Daphnia magna exposed to cadmium. Environmental Science & Technology, 2008, 42, 2181-2188.	10.0	94
36	Daphnia as an emerging model for toxicological genomics. Advances in Experimental Biology, 2008, 2, 165-328.	0.1	91

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37	Adding Value to Ecological Risk Assessment with Population Modeling. Human and Ecological Risk Assessment (HERA), 2011, 17, 287-299.	3.4	90
38	On the stability of populations of mammals, birds, fish and insects. Ecology Letters, 2007, 10, 970-976.	6.4	87
39	Mammal Reproductive Strategies Driven by Offspring Mortalityâ€Size Relationships. American Naturalist, 2009, 173, E185-E199.	2.1	85
40	The ecology of lizard reproductive output. Global Ecology and Biogeography, 2012, 21, 592-602.	5.8	84
41	GENETIC BASIS OF A BETWEEN-ENVIRONMENT TRADE-OFF INVOLVING RESISTANCE TO CADMIUM INDROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 1999, 53, 826-836.	2.3	83
42	Outlining eicosanoid biosynthesis in the crustacean Daphnia. Frontiers in Zoology, 2008, 5, 11.	2.0	80
43	Predicting the impacts of anthropogenic disturbances on marine populations. Conservation Letters, 2018, 11, e12563.	5.7	79
44	Equal fitness paradigm explained by a trade-off between generation time and energy production rate. Nature Ecology and Evolution, 2018, 2, 262-268.	7.8	75
45	Why breeding earlier is always worthwhile. Journal of Theoretical Biology, 1986, 123, 311-319.	1.7	72
46	â€˜Unitary drivesâ€™ revisited. Animal Behaviour, 1972, 20, 548-563.	1.9	70
47	Effects of noise and by-catch on a Danish harbour porpoise population. Ecological Modelling, 2014, 272, 242-251.	2.5	68
48	Evolutionary Demography of a Bruchid Beetle. I. Quantitative Genetical Analysis of the Female Life History. Functional Ecology, 1989, 3, 673.	3.6	65
49	How environmental stress affects density dependence and carrying capacity in a marine copepod. Journal of Applied Ecology, 2000, 37, 388-397.	4.0	65
50	EFFICIENT EXPERIMENTAL DESIGNS FOR STUDYING STRESS AND POPULATION DENSITY IN ANIMAL POPULATIONS. , 1999, 9, 496-503.		64
51	The Distribution between Feeding Sites of Herring Gulls Breeding at Walney Island, U.K.. Journal of Animal Ecology, 1983, 52, 51.	2.8	63
52	Evolution in Toxin-Stressed Environments. Functional Ecology, 1990, 4, 289.	3.6	63
53	Maximum Likelihood Estimation of Genetic Parameters in Life-History Studies Using the `Animal Model'. Functional Ecology, 1995, 9, 122.	3.6	63
54	The effect of novel environment and sex on the additive genetic variation and covariation in and between emergence body weight and development period in the cowpea weevil, Callosobruchus maculatus (Coleoptera, Bruchidae). Heredity, 1997, 78, 158-165.	2.6	63

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55	Reproduction recovery of the crustacean Daphnia magna after chronic exposure to ibuprofen. Ecotoxicology, 2008, 17, 246-251.	2.4	63
56	Risk Assessment of UK Skylark Populations Using Life-History and Individual-Based Landscape Models. Ecotoxicology, 2005, 14, 925-936.	2.4	62
57	The influence of larval density, food availability and habitat longevity on the life history and population growth rate of the midge Chironomus riparius. Oikos, 2003, 102, 515-524.	2.7	61
58	THE ECOLOGICAL NICHE OFDAPHNIA MAGNACHARACTERIZED USING POPULATION GROWTH RATE. Ecology, 2008, 89, 1015-1022.	3.2	61
59	Universal scaling of production rates across mammalian lineages. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 560-566.	2.6	61
60	Animal behaviour at electric fences and the implications for management. Mammal Review, 1988, 18, 91-103.	4.8	58
61	Direct and absorption costing in the evolution of life cycles. Journal of Theoretical Biology, 1984, 111, 463-473.	1.7	56
62	Mortality rates of mammals. Journal of Zoology, 1997, 243, 1-12.	1.7	56
63	An energy budget agent-based model of earthworm populations and its application to study the effects of pesticides. Ecological Modelling, 2014, 280, 5-17.	2.5	54
64	Behaviour and seasonal variation in heart rate in domestic sheep, Ovis aries. Animal Behaviour, 1988, 36, 35-43.	1.9	53
65	Optimal decision rules for herring gulls. Animal Behaviour, 1985, 33, 449-465.	1.9	52
66	Communicating complex ecological models to non-scientist end users. Ecological Modelling, 2016, 338, 51-59.	2.5	52
67	Increase in Weight of Herring Gulls While Feeding. Journal of Animal Ecology, 1983, 52, 35.	2.8	51
68	The influence of soil communities on the temperature sensitivity of soil respiration. Nature Ecology and Evolution, 2018, 2, 1597-1602.	7.8	51
69	How incentive and deficit determine feeding tendency. Animal Behaviour, 1975, 23, 437-446.	1.9	50
70	Patterns of maximum body size evolution in Cenozoic land mammals: eco-evolutionary processes and abiotic forcing. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132049.	2.6	48
71	Predicting how many animals will be where: How to build, calibrate and evaluate individual-based models. Ecological Modelling, 2016, 326, 113-123.	2.5	46
72	Optimal growth strategies when mortality and production rates are size-dependent. Evolutionary Ecology, 1993, 7, 576-592.	1.2	45

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73	Fundamental insights into ontogenetic growth from theory and fish. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13934-13939.	7.1	45
74	Heads and Tails: Adaptational Aspects of Asexual Reproduction in Freshwater Tnclads. American Zoologist, 1979, 19, 715-727.	0.7	43
75	Gene transcription in Daphnia magna: Effects of acute exposure to a carbamate insecticide and an acetanilide herbicide. Aquatic Toxicology, 2010, 97, 268-276.	4.0	43
76	Population-level Assessment of Risks of Pesticides to Birds and Mammals in the UK. Ecotoxicology, 2005, 14, 863-876.	2.4	41
77	Splitting Behaviour Into Bouts; a Maximum Likelihood Approach. Behaviour, 1995, 132, 781-799.	0.8	40
78	The effect of novel environment and sex on the additive genetic variation and covariation in and between emergence body weight and development period in the cowpea weevil, Callosobruchus maculatus (Coleoptera, Bruchidae). Heredity, 1997, 78, 158-165.	2.6	38
79	Social hierarchy and feeder access in a group of 20 sows using a computer-controlled feeder. Animal Science, 1988, 47, 139-148.	1.3	37
80	Effects of dieldrin on population growth rates of sparrowhawks 1963-1986. Journal of Applied Ecology, 2000, 37, 540-546.	4.0	37
81	Identifying key factors using Î» contribution analysis. Journal of Animal Ecology, 1998, 67, 17-24.	2.8	36
82	How Predation and Landscape Fragmentation Affect Vole Population Dynamics. PLoS ONE, 2011, 6, e22834.	2.5	36
83	A Theory of Grasshopper Life Cycles. Oikos, 1987, 48, 186.	2.7	35
84	What Evolution Maximizes. Functional Ecology, 1989, 3, 129.	3.6	35
85	Strategies of resource capture by plantsâ€"Evidence for adversity selection. Journal of Theoretical Biology, 1986, 118, 247-250.	1.7	33
86	Effects of behaviour and handling on heart rate in farmed red deer. Applied Animal Behaviour Science, 1993, 37, 111-123.	1.9	33
87	The Effects of Landscape Modifications on the Long-Term Persistence of Animal Populations. PLoS ONE, 2010, 5, e8932.	2.5	33
88	Linking pesticide exposure and spatial dynamics: An individual-based model of wood mouse (Apodemus) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	33
89	The Structure of Interrupted Human AC Microsatellites. Molecular Biology and Evolution, 2003, 20, 453-459.	8.9	32
90	A general approach to incorporating spatial and temporal variation in individual-based models of fish populations with application to Atlantic mackerel. Ecological Modelling, 2018, 382, 9-17.	2.5	32

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91	Optimal size of seasonal breeders. Journal of Theoretical Biology, 1988, 133, 13-21.	1.7	30
92	On the Solutions to a Major Life-History Puzzle. Oikos, 1996, 77, 359.	2.7	30
93	A Maximum-Likelihood Approach to Fitting Equilibrium Models of Microsatellite Evolution. Molecular Biology and Evolution, 2001, 18, 413-417.	8.9	30
94	Optimal sting use in the feeding behavior of the scorpion Hadrurus spadix. Journal of Arachnology, 2010, 38, 123-125.	0.5	30
95	Feeding Specialization and Preference in Herring Gulls. Journal of Animal Ecology, 1986, 55, 245.	2.8	29
96	Ecological compensationâ€"a complication for testing life-history theory. Journal of Theoretical Biology, 1987, 125, 177-186.	1.7	29
97	Recovery based on plot experiments is a poor predictor of landscapeâ€level population impacts of agricultural pesticides. Environmental Toxicology and Chemistry, 2014, 33, 1499-1507.	4.3	29
98	JOINT EFFECTS OF POPULATION DENSITY AND TOXICANT EXPOSURE ON POPULATION DYNAMICS OF CAPITELLA SP. I. , 2003, 13, 1094-1103.		28
99	Earthworm distribution and abundance predicted by a process-based model. Applied Soil Ecology, 2014, 84, 112-123.	4.3	28
100	The dominance boundary method of determining motivational state. Animal Behaviour, 1976, 24, 108-124.	1.9	26
101	The joint effects of larval density and 14C-cypermethrin on the life history and population growth rate of the midge Chironomus riparius. Journal of Applied Ecology, 2003, 40, 1049-1059.	4.0	26
102	Effects of allometry, productivity and lifestyle on rates and limits of body size evolution. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131007.	2.6	26
103	Effects of agricultural management practices on earthworm populations and crop yield: validation and application of a mechanistic modelling approach. Journal of Applied Ecology, 2015, 52, 1334-1342.	4.0	26
104	Demographic, mechanistic and densityâ€"dependent determinants of population growth rate: a case study in an avian predator. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1171-1177.	4.0	25
105	Control of Size and Fecundity in Pieris rapae: Towards a Theory of Butterfly Life Cycles. Journal of Animal Ecology, 1987, 56, 341.	2.8	23
106	Confidence intervals for population growth rate of organisms with two-stage life histories. Oikos, 2000, 88, 335-340.	2.7	23
107	Density dependence in the camelid Vicugna vicugna: the recovery of a protected population in Chile. Oryx, 2002, 36, 118-125.	1.0	23
108	Case Study Part 2: Probabilistic Modelling of Long-term Effects of Pesticides on Individual Breeding Success in Birds and Mammals. Ecotoxicology, 2005, 14, 895-923.	2.4	23

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109	Individual-based modelling of elephant population dynamics using remote sensing to estimate food availability. Ecological Modelling, 2018, 387, 187-195.	2.5	23
110	Time budget and colour preferences (with specific reference to feeding) of ostrich(struthio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 To	1.7	22
111	Case Study Part 1: How to Calculate Appropriate Deterministic Long-Term Toxicity to Exposure Ratios (TERs) for Birds and Mammals. Ecotoxicology, 2005, 14, 877-893.	2.4	20
112	The use of image analysis to estimate population growth rate in Daphnia magna. Journal of Applied Ecology, 2006, 43, 828-834.	4.0	20
113	Landscape structure mediates the effects of a stressor on field vole populations. Landscape Ecology, 2013, 28, 1961-1974.	4.2	20
114	Multiple environmental controls explain global patterns in soil animal communities. Oecologia, 2020, 192, 1047-1056.	2.0	20
115	Seasonal variation in gut morphology in wild rabbits(Oryctolagus cuniculus). Journal of Zoology, 1990, 221, 605-619.	1.7	19
116	Life-history evolution in spatially heterogeneous environments, with and without phenotypic plasticity. Evolutionary Ecology, 1995, 9, 242-257.	1.2	19
117	Population Growth Rate And Carrying Capacity For SpringtailsFolsomia CandidaExposed To Ivermectin. , 2006, 16, 656-665.		19
118	Renschâ€™s Rule in Large Herbivorous Mammals Derived from Metabolic Scaling. American Naturalist, 2012, 179, 169-177.	2.1	19
119	Asexual reproduction in protozoa and invertebrates. Journal of Theoretical Biology, 1982, 96, 401-424.	1.7	18
120	JOINT EFFECTS OF DENSITY AND A GROWTH INHIBITOR ON THE LIFE HISTORY AND POPULATION GROWTH RATE OF THE MIDGE CHIRONOMUS RIPARIUS. Environmental Toxicology and Chemistry, 2005, 24, 1140.	4.3	18
121	Forecasting tillage and soil warming effects on earthworm populations. Journal of Applied Ecology, 2018, 55, 1498-1509.	4.0	18
122	Woodpigeon feeding behaviour at brassica sites. A field and laboratory investigation of woodpigeon feeding behaviour during adoption and maintenance of a brassica diet. Animal Behaviour, 1978, 26, 778-790.	1.9	17
123	The relationship between pecking behaviour and growth rate of ostrich (Struthio camelus) chicks in captivity. Applied Animal Behaviour Science, 1995, 46, 93-101.	1.9	15
124	Phenotypic plasticity, genotype-by-environment interaction and the analysis of generalism and specialization in Callosobruchus maculatus. Heredity, 1998, 81, 198-204.	2.6	15
125	How body mass and lifestyle affect juvenile biomass production in placental mammals. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132818.	2.6	15
126	An Allelocentric View of Life-history Evolution. Journal of Theoretical Biology, 1993, 160, 533-546.	1.7	14

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127	Controlling resource acquisition to reveal a life history tradeâ€off: egg mass and clutch size in an iteroparous seed predator, Prostephanus truncatus. Ecological Entomology, 1997, 22, 264-270.	2.2	14
128	Geometrical constraints on body size Reply from D. Atkinson and R.M. Sibly. Trends in Ecology and Evolution, 1997, 12, 442-443.	8.7	14
129	Introduction. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1149-1151.	4.0	14
130	Assessing the sublethal impacts of anthropogenic stressors on fish: An energyâ€budget approach. Fish and Fisheries, 2020, 21, 1034-1045.	5.3	14
131	Using an individual-based model to select among alternative foraging strategies of woodpigeons: Data support a memory-based model with a flocking mechanism. Ecological Modelling, 2014, 280, 89-101.	2.5	13
132	Incorporating toxicokinetics into an individual-based model for more realistic pesticide exposure estimates: A case study of the wood mouse. Ecological Modelling, 2014, 280, 30-39.	2.5	13
133	The importance of including habitat-specific behaviour in models of butterfly movement. Oecologia, 2020, 193, 249-259.	2.0	13
134	The Potential for the Use of Agent-Based Models in Ecotoxicology. Emerging Topics in Ecotoxicology, 2009, , 205-235.	1.5	13
135	RISK ASSESSMENT ON THE BASIS OF SIMPLIFIED LIFE-HISTORY SCENARIOS. Environmental Toxicology and Chemistry, 1997, 16, 1983.	4.3	13
136	Estimation of the weight and body condition of ostriches (Struthio camelus) from body measurements. Veterinary Record, 1996, 139, 210-213.	0.3	12
137	A toxicokinetic model for thiamethoxam in rats: implications for higher-tier risk assessment. Ecotoxicology, 2013, 22, 548-557.	2.4	12
138	Assessing pesticide risks to threatened and endangered species using population models: Findings and recommendations from a CropLife America Science Forum. Integrated Environmental Assessment and Management, 2015, 11, 348-354.	2.9	12
139	Towards a population ecology of stressed environments: the effects of zinc on the springtail Folsomia candida. Journal of Applied Ecology, 2006, 43, 325-332.	4.0	11
140	The effects of environmental perturbation and measurement error on estimates of the shape parameter in the theta-logistic model of population regulation. Ecological Modelling, 2008, 219, 170-177.	2.5	11
141	The shark-tuna dichotomy: why tuna lay tiny eggs but sharks produce large offspring. Royal Society Open Science, 2018, 5, 180453.	2.4	11
142	Toward a physiological explanation of juvenile growth curves. Journal of Zoology, 2020, 311, 286-290.	1.7	11
143	The Use of Body Dimensions of Lesser Black-Backed Gulls Larus fuscus to Indicate Size and to Estimate Body Reserves. Functional Ecology, 1987, 1, 275.	3.6	10
144	Taking error into account when fitting models using Approximate Bayesian Computation. Ecological Applications, 2018, 28, 267-274.	3.8	10

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145	Potential Consequences of Climate and Management Scenarios for the Northeast Atlantic Mackerel Fishery. Frontiers in Marine Science, 2020, 7, .	2.5	10
146	Testing life-cycle theory by computer simulationâ€"II. Bet-hedging revisited. Computers in Biology and Medicine, 1991, 21, 357-367.	7.0	9
147	The effects of spatial and temporal heterogeneity on the population dynamics of four animal species in a Danish landscape. BMC Ecology, 2009, 9, 18.	3.0	9
148	Selfishness and altruism can coexist when help is subject to diminishing returns. Heredity, 2011, 107, 167-173.	2.6	9
149	A phenotypic and genetic comparison of egg to adult life-history traits between and within two strains of the larger grain borer, Prostephanus truncatus (Horn) (Coleoptera: Bostrichidae). Journal of Stored Products Research, 1996, 32, 213-223.	2.6	8
150	Cereal aversion in behaviourally resistant house mice in Birmingham, UK. Applied Animal Behaviour Science, 2000, 66, 323-333.	1.9	8
151	METAPOPULATION DYNAMICS OF FRUIT FLIES UNDERGOING EVOLUTIONARY CHANGE IN PATCHY ENVIRONMENTS. Ecology, 2001, 82, 3257-3262.	3.2	8
152	Evolution of discrimination in populations at equilibrium between selfishness and altruism. Journal of Theoretical Biology, 2012, 313, 162-171.	1.7	8
153	Modelling large herbivore movement decisions: Beyond food availability as a predictor of ranging patterns. African Journal of Ecology, 2019, 57, 10-19.	0.9	8
154	A simple and rapid method for preserving RNA of aquatic invertebrates for ecotoxicogenomics. Ecotoxicology, 2007, 16, 445-447.	2.4	7
155	Quantifying the effectiveness of agri-environment schemes for a grassland butterfly using individual-based models. Ecological Modelling, 2019, 411, 108798.	2.5	7
156	Incorporating environmental variability in a spatially-explicit individual-based model of European sea bassâœ°. Ecological Modelling, 2022, 466, 109878.	2.5	7
157	A system for recording sheep ECG in the field using a miniature 24-hour tape recorder. Computers and Electronics in Agriculture, 1987, 2, 57-66.	7.7	6
158	Responses to novel food by rats: the effect of social rank. Crop Protection, 1993, 12, 89-94.	2.1	6
159	On the Structural Differences Between Markers and Genomic AC Microsatellites. Journal of Molecular Evolution, 2005, 60, 688-693.	1.8	6
160	Humanâ€driven habitat conversion is a more immediate threat to Amboseli elephants than climate change. Conservation Science and Practice, 2019, 1, e87.	2.0	6
161	Effects of plastic neck collars on the behaviour and breeding performance of geese and their value for distant recognition of individuals. Ringing and Migration, 1989, 10, 58-62.	0.4	5
162	No oviposition plasticity in Sitophilus oryzae (L.) (Coleoptera: Curculionidae). Journal of Stored Products Research, 1992, 28, 11-14.	2.6	5

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163	Effects of stone chewing by outdoor sows on their teeth and stomachs. Veterinary Record, 2001, 149, 9-11.	0.3	5
164	Applying a mechanistic model to predict interacting effects of chemical exposure and food availability on fish populations. Aquatic Toxicology, 2020, 224, 105483.	4.0	5
165	A spatially explicit individual-based model to support management of commercial and recreational fisheries for European sea bass Dicentrarchus labrax. Ecological Modelling, 2020, 431, 109179.	2.5	5
166	Testing life-cycle theory by computer simulationâ€"I. Introduction of genetical structure. Computers in Biology and Medicine, 1991, 21, 345-355.	7.0	4
167	Genetic polymorphisms between altruism and selfishness close to the Hamilton threshold rb â€‰=â€‰ c. Royal Society Open Science, 2017, 4, 160649.	2.4	4
168	Data on the movement behaviour of four species of grassland butterfly. Data in Brief, 2019, 27, 104611.	1.0	3
169	SEASIM-NEAM: A Spatially-Explicit Agent-based SIMulator of North East Atlantic Mackerel population dynamics. MethodsX, 2020, 7, 101044.	1.6	3
170	Behavior underpins the predictive power of a traitâ€based model of butterfly movement. Ecology and Evolution, 2020, 10, 3200-3208.	1.9	3
171	Factors affecting fisher decisions: The case of the inshore fishery for European sea bass (Dicentrarchus labrax). PLoS ONE, 2022, 17, e0266170.	2.5	3
172	Mycorrhizal type of woody plants influences understory species richness in British broadleaved woodlands. New Phytologist, 2022, 235, 2046-2053.	7.3	3
173	Trade-Offs and Genetic Correlations Among Life-History Traits: Theory and Simulation. Lecture Notes in Biomathematics, 1993, , 128-144.	0.3	2
174	Graeme Caughley and the fundamentals of population ecology: a personal view. Wildlife Research, 2009, 36, 16.	1.4	1
175	How phenotypic matching based on neutral mating cues enables speciation in locally adapted populations. Ecology and Evolution, 2019, 9, 13506-13514.	1.9	1
176	An Allelocentric Analysis of Hamilton's Rule for Overlapping Generations. Journal of Theoretical Biology, 1994, 167, 301-305.	1.7	0
177	Ecotoxicology: Ecological Dimensions. Journal of Animal Ecology, 1997, 66, 437.	2.8	0
178	Response to Kearney & Kooijman (2020) from R.M. Sibly. Journal of Zoology, 2020, 312, 147-147.	1.7	0