

Hanna Kokko

List of Publications by Year in descending order

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Version: 2024-02-01

147
papers

14,404
citations

31949

53
h-index

22147

113
g-index

173
all docs

173
docs citations

173
times ranked

12938
citing authors

#	ARTICLE	IF	CITATIONS
1	Parental investment, sexual selection and sex ratios. <i>Journal of Evolutionary Biology</i> , 2008, 21, 919-948.	0.8	756
2	The evolution of mate choice and mating biases. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 653-664.	1.2	733
3	Identification of 100 fundamental ecological questions. <i>Journal of Ecology</i> , 2013, 101, 58-67.	1.9	605
4	Competition for early arrival in migratory birds. <i>Journal of Animal Ecology</i> , 1999, 68, 940-950.	1.3	601
5	Lonely hearts or sex in the city? Density-dependent effects in mating systems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 319-334.	1.8	569
6	The evolution of cooperative breeding through group augmentation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 187-196.	1.2	488
7	Unifying and Testing Models of Sexual Selection. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2006, 37, 43-66.	3.8	454
8	The sexual selection continuum. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1331-1340.	1.2	396
9	The tragedy of the commons in evolutionary biology. <i>Trends in Ecology and Evolution</i> , 2007, 22, 643-651.	4.2	370
10	Population size and the rate of evolution. <i>Trends in Ecology and Evolution</i> , 2014, 29, 33-41.	4.2	346
11	Inclusive fitness theory and eusociality. <i>Nature</i> , 2011, 471, E1-E4.	13.7	339
12	WHEN NOT TO AVOID INBREEDING. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 467-475.	1.1	323
13	From Individual Dispersal to Species Ranges: Perspectives for a Changing World. <i>Science</i> , 2006, 313, 789-791.	6.0	316
14	Beta-hedging—a triple trade-off between means, variances and correlations. <i>Biological Reviews</i> , 2012, 87, 742-755.	4.7	311
15	The Ecology and Evolutionary Dynamics of Meiotic Drive. <i>Trends in Ecology and Evolution</i> , 2016, 31, 315-326.	4.2	305
16	Why is mutual mate choice not the norm? Operational sex ratios, sex roles and the evolution of sexually dimorphic and monomorphic signalling. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 319-330.	1.8	291
17	Social queuing in animal societies: a dynamic model of reproductive skew. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 571-578.	1.2	284
18	Evolutionarily stable strategies of age-dependent sexual advertisement. <i>Behavioral Ecology and Sociobiology</i> , 1997, 41, 99-107.	0.6	279

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19	The many costs of sex. <i>Trends in Ecology and Evolution</i> , 2012, 27, 172-178.	4.2	268
20	Delayed Dispersal as a Route to Breeding: Territorial Inheritance, Safe Havens, and Ecological Constraints. <i>American Naturalist</i> , 2002, 160, 468-484.	1.0	225
21	Do males matter? The role of males in population dynamics. <i>Oikos</i> , 2007, 116, 335-348.	1.2	208
22	Should advertising parental care be honest?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 1871-1878.	1.2	193
23	From Hawks and Doves to Self-Consistent Games of Territorial Behavior. <i>American Naturalist</i> , 2006, 167, 901-912.	1.0	182
24	Genetics of dispersal. <i>Biological Reviews</i> , 2018, 93, 574-599.	4.7	182
25	Dispersal, Migration, and Offspring Retention in Saturated Habitats. <i>American Naturalist</i> , 2001, 157, 188-202.	1.0	165
26	Why do female migratory birds arrive later than males?. <i>Journal of Animal Ecology</i> , 2006, 75, 1293-1303.	1.3	162
27	The ecogenetic link between demography and evolution: can we bridge the gap between theory and data?. <i>Ecology Letters</i> , 2007, 10, 773-782.	3.0	162
28	Unifying cornerstones of sexual selection: operational sex ratio, Bateman gradient and the scope for competitive investment. <i>Ecology Letters</i> , 2012, 15, 1340-1351.	3.0	155
29	Competition for breeding sites and site-dependent population regulation in a highly colonial seabird, the common guillemot <i>Uria aalge</i> . <i>Journal of Animal Ecology</i> , 2004, 73, 367-376.	1.3	139
30	Fisherian and "good genes" benefits of mate choice: how (not) to distinguish between them. <i>Ecology Letters</i> , 2001, 4, 322-326.	3.0	133
31	Territorial Defense, Territory Size, and Population Regulation. <i>American Naturalist</i> , 2005, 166, 317-325.	1.0	130
32	Sex-biased dispersal: a review of the theory. <i>Biological Reviews</i> , 2019, 94, 721-736.	4.7	124
33	Sexual Conflict and the Tragedy of the Commons. <i>American Naturalist</i> , 2011, 177, 780-791.	1.0	123
34	Cohort effects and population dynamics. <i>Ecology Letters</i> , 2002, 5, 338-344.	3.0	121
35	Seasonal changes in predator community switch the direction of selection for prey defences. <i>Nature Communications</i> , 2014, 5, 5016.	5.8	108
36	The consequences of polyandry for population viability, extinction risk and conservation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120053.	1.8	106

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37	Cuckoldry and the stability of biparental care. <i>Ecology Letters</i> , 1999, 2, 247-255.	3.0	105
38	SEXUALLY TRANSMITTED DISEASE AND THE EVOLUTION OF MATING SYSTEMS. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 1091-1100.	1.1	101
39	The roles of body size and phylogeny in fast and slow life histories. <i>Evolutionary Ecology</i> , 2009, 23, 867-878.	0.5	98
40	Sexual reproduction and population dynamics: the role of polygyny and demographic sex differences. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 483-488.	1.2	97
41	When not to avoid inbreeding. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 467-75.	1.1	95
42	Alternative prey can change model-mimic dynamics between parasitism and mutualism. <i>Ecology Letters</i> , 2003, 6, 1068-1076.	3.0	94
43	Differential allocation and compensation: who deserves the silver spoon?. <i>Behavioral Ecology</i> , 2010, 21, 195-200.	1.0	94
44	Troubleshooting Public Data Archiving: Suggestions to Increase Participation. <i>PLoS Biology</i> , 2014, 12, e1001779.	2.6	91
45	What does the geography of parthenogenesis teach us about sex?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150538.	1.8	82
46	Female choice selects for lifetime lekking performance in black grouse males. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 2109-2115.	1.2	81
47	Two roads to two sexes: unifying gamete competition and gamete limitation in a single model of anisogamy evolution. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 445-459.	0.6	81
48	Sex differences in parental care. , 2012, , 101-116.		78
49	Evolution of frequency-dependent mate choice: keeping up with fashion trends. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 1317-1324.	1.2	70
50	Multiple mating by females is a natural outcome of a null model of mate encounters. <i>Entomologia Experimentalis Et Applicata</i> , 2013, 146, 26-37.	0.7	69
51	Can Evolution Supply What Ecology Demands?. <i>Trends in Ecology and Evolution</i> , 2017, 32, 187-197.	4.2	69
52	Optimal and suboptimal use of compensatory responses to harvesting: timing of hunting as an example. <i>Wildlife Biology</i> , 2001, 7, 141-150.	0.6	66
53	EVOLUTION OF MATE CHOICE FOR GENOME-WIDE HETEROZYGOSITY. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 684-694.	1.1	64
54	The Relationship between Sexual Selection and Sexual Conflict. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a017517-a017517.	2.3	64

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55	Current analyses do not resolve whether extra-pair paternity is male or female driven. <i>Behavioral Ecology and Sociobiology</i> , 2008, 62, 1795-1804.	0.6	59
56	Positive feedback and alternative stable states in inbreeding, cooperation, sex roles and other evolutionary processes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 211-221.	1.8	58
57	Demography can favour female-advantageous alleles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140005.	1.2	57
58	Condition-dependence, genotype-by-environment interactions and the lek paradox. <i>Genetica</i> , 2007, 132, 209-216.	0.5	55
59	Mate finding, <sc>A</sc>lle effects and selection for sex-biased dispersal. <i>Journal of Animal Ecology</i> , 2014, 83, 1256-1267.	1.3	54
60	Directions in modelling partial migration: how adaptation can cause a population decline and why the rules of territory acquisition matter. <i>Oikos</i> , 2011, 120, 1826-1837.	1.2	53
61	The coevolution of lifespan and reversible plasticity. <i>Nature Communications</i> , 2019, 10, 538.	5.8	50
62	Social transmission of avoidance among predators facilitates the spread of novel prey. <i>Nature Ecology and Evolution</i> , 2018, 2, 254-261.	3.4	48
63	Mortality and other determinants of bird divorce rate. <i>Behavioral Ecology and Sociobiology</i> , 2008, 63, 1-9.	0.6	46
64	How populations persist when asexuality requires sex: the spatial dynamics of coping with sperm parasites. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 817-825.	1.2	46
65	What do isogamous organisms teach us about sex and the two sexes?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150532.	1.8	46
66	Condition-dependence, genotype-by-environment interactions and the lek paradox. <i>Genetica</i> , 2008, 134, 55-62.	0.5	45
67	Superb fairy-wren males aggregate into hidden leks to solicit extragroup fertilizations before dawn. <i>Behavioral Ecology</i> , 2009, 20, 501-510.	1.0	45
68	Treat 'em Mean, Keep 'em (sometimes) Keen: Evolution of Female Preferences for Dominant and Coercive Males. <i>Evolutionary Ecology</i> , 2005, 19, 123-135.	0.5	43
69	Colour polymorphism torn apart by opposing positive frequency-dependent selection, yet maintained in space. <i>Journal of Animal Ecology</i> , 2015, 84, 1555-1564.	1.3	43
70	Cancer susceptibility and reproductive trade-offs: a model of the evolution of cancer defences. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140220.	1.8	43
71	Adaptive sex allocation in anticipation of changes in offspring mating opportunities. <i>Nature Communications</i> , 2013, 4, 1603.	5.8	42
72	The evolution of sex roles in mate searching. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 617-624.	1.1	40

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73	Sexual selection when fertilization is not guaranteed. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 1876-85.	1.1	40
74	<i>Daphnia</i> invest in sexual reproduction when its relative costs are reduced. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172176.	1.2	39
75	Bridging the gap between mechanistic and adaptive explanations of territory formation. <i>Behavioral Ecology and Sociobiology</i> , 2005, 57, 381-390.	0.6	37
76	Weird sex: the underappreciated diversity of sexual reproduction. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20160262.	1.8	33
77	Sex difference and Allee effects shape the dynamics of sex-structured invasions. <i>Journal of Animal Ecology</i> , 2018, 87, 36-46.	1.3	33
78	Meta-analysis and sexual selection: past studies and future possibilities. <i>Evolutionary Ecology</i> , 2012, 26, 1119-1151.	0.5	32
79	Migration confers winter survival benefits in a partially migratory songbird. <i>ELife</i> , 2017, 6, .	2.8	32
80	Dynamics of the Caring Family. <i>American Naturalist</i> , 2003, 161, 395-412.	1.0	29
81	Local Gamete Competition Explains Sex Allocation and Fertilization Strategies in the Sea. <i>American Naturalist</i> , 2014, 184, E32-E49.	1.0	27
82	Abandoning the ship using sex, dispersal or dormancy: multiple escape routes from challenging conditions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170424.	1.8	27
83	Parental effects alter the adaptive value of an adult behavioural trait. <i>ELife</i> , 2015, 4, e07340.	2.8	27
84	Temporal patterns in reproduction may explain variation in mating frequencies in the green-veined white butterfly <i>Pieris napi</i> . <i>Behavioral Ecology and Sociobiology</i> , 2006, 61, 99-107.	0.6	26
85	Towards cancer-aware life-history modelling. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140234.	1.8	26
86	The rate of facultative sex governs the number of expected mating types in isogamous species. <i>Nature Ecology and Evolution</i> , 2018, 2, 1168-1175.	3.4	26
87	Optimal germination timing in unpredictable environments: the importance of dormancy for both among- and within-season variation. <i>Ecology Letters</i> , 2020, 23, 620-630.	3.0	26
88	The hawk-dove game in a sexually reproducing species explains a colourful polymorphism of an endangered bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141794.	1.2	25
89	Estimating the demographic effective population size of the Saimaa ringed seal (<i>Phoca hispida</i>)	1.5	24
90	PATERNITY PROTECTION CAN PROVIDE A KICK-START FOR THE EVOLUTION OF MALE-ONLY PARENTAL CARE. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 2207-2217.	1.1	24

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91	BREEDING SUPPRESSION AND PREDATOR- <i>PREY</i> DYNAMICS. <i>Ecology</i> , 2000, 81, 252-260.	1.5	23
92	Mate-sampling costs and sexy sons. <i>Journal of Evolutionary Biology</i> , 2015, 28, 259-266.	0.8	22
93	Sexual conflict and the evolution of asexuality at low population densities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161280.	1.2	22
94	Models of social evolution: can we do better to predict "who helps whom to achieve what"? <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150088.	1.8	22
95	Give one species the task to come up with a theory that spans them all: what good can come out of that?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171652.	1.2	22
96	<i>Daphnia</i> females adjust sex allocation in response to current sex ratio and density. <i>Ecology Letters</i> , 2018, 21, 629-637.	3.0	22
97	Sexual Conflict: The Battle of the Sexes Reversed. <i>Current Biology</i> , 2008, 18, R121-R123.	1.8	21
98	SEXUALLY SELECTED TRAITS EVOLVE POSITIVE ALLOMETRY WHEN SOME MATINGS OCCUR IRRESPECTIVE OF THE TRAIT. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1332-1338.	1.1	21
99	Mitigating Mitochondrial Genome Erosion Without Recombination. <i>Genetics</i> , 2017, 207, 1079-1088.	1.2	21
100	Risk Analysis of Hunting of Seal Populations in the Baltic. <i>Analisis de Riesgo de la Caza de Poblaciones de Focas en el Baltico. Conservation Biology</i> , 1997, 11, 917-927.	2.4	20
101	Mate limitation causes sexes to coevolve towards more similar dispersal kernels. <i>Oikos</i> , 2011, 120, 1459-1468.	1.2	20
102	Why inclusive fitness can make it adaptive to produce less fit extra-pair offspring. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142716.	1.2	20
103	Adaptation and plasticity in life-history theory: How to derive predictions.. <i>Evolution and Human Behavior</i> , 2020, 41, 493-501.	1.4	20
104	Prudent males, group adaptation, and the tragedy of the commons. <i>Oikos</i> , 2011, 120, 641-656.	1.2	19
105	Relaxed selection when you least expect it: why declining bird populations might fail to respond to phenological mismatches. <i>Oikos</i> , 2015, 124, 62-68.	1.2	19
106	Adaptive Secondary Sex Ratio Adjustments via Sex-Specific Infanticide in a Bird. <i>Current Biology</i> , 2011, 21, 1744-1747.	1.8	18
107	Species coexist more easily if reinforcement is based on habitat preferences than on species recognition. <i>Journal of Animal Ecology</i> , 2020, 89, 2605-2616.	1.3	17
108	The stagnation paradox: the ever-improving but (more or less) stationary population fitness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20212145.	1.2	17

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109	Science policies: How should science funding be allocated? An evolutionary biologists' perspective. <i>Journal of Evolutionary Biology</i> , 2019, 32, 754-768.	0.8	16
110	r-Strategist/K-Strategists. , 2008, , 3113-3122.		15
111	Population-level consequences of risky dispersal. <i>Oikos</i> , 2014, 123, 1003-1013.	1.2	15
112	An inordinate fondness for species with intermediate dispersal abilities. <i>Oikos</i> , 2020, 129, 311-319.	1.2	15
113	Sexual dimorphism driven by intersexual resource competition: Why is it rare, and where to look for it?. <i>Journal of Animal Ecology</i> , 2021, 90, 1831-1843.	1.3	15
114	Male-only care and cuckoldry in black coucals: does parenting hamper sex life?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182789.	1.2	13
115	Quantifying male attractiveness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1925-1932.	1.2	12
116	Evolutionary conservation advice for despotic populations: habitat heterogeneity favours conflict and reduces productivity in Seychelles magpie robins. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3477-3482.	1.2	12
117	Coevolution of male and female mate choice can destabilize reproductive isolation. <i>Nature Communications</i> , 2019, 10, 5122.	5.8	12
118	Direct reciprocity stabilizes simultaneous hermaphroditism at high mating rates: A model of sex allocation with egg trading. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2129-2139.	1.1	11
119	Useful ways of being wrong. <i>Journal of Evolutionary Biology</i> , 2005, 18, 1155-1157.	0.8	10
120	Sex. <i>Current Biology</i> , 2014, 24, R305-R306.	1.8	10
121	An analysis of mating biases in trees. <i>Molecular Ecology</i> , 2020, 29, 184-198.	2.0	10
122	Sex, senescence, sources and sinks. <i>Functional Ecology</i> , 2020, 34, 55-64.	1.7	10
123	Predation can select for later and more synchronous arrival times in migrating species. <i>Oikos</i> , 2016, 125, 1528-1538.	1.2	9
124	Sex Allocation Theory for Facultatively Sexual Organisms Inhabiting Seasonal Environments: The Importance of Bet Hedging. <i>American Naturalist</i> , 2018, 192, 155-170.	1.0	9
125	Habitat selection of an old-growth forest specialist in managed forests. <i>Animal Conservation</i> , 2020, 23, 547-560.	1.5	9
126	Kidnapping intergroup young: an alternative strategy to maintain group size in the group-living pied babbler (<i>Turdoides bicolor</i>). <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20210153.	1.8	9

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127	Human parental age difference and offspring count: and we still do not know what men or women want. <i>Biology Letters</i> , 2008, 4, 259-260.	1.0	8
128	From zygote to a multicellular soma: Body size affects optimal growth strategies under cancer risk. <i>Evolutionary Applications</i> , 2020, 13, 1593-1604.	1.5	8
129	Pollinator behaviour and resource limitation maintain honest floral signalling. <i>Functional Ecology</i> , 2021, 35, 2536-2549.	1.7	8
130	Cooperative behaviour and cooperative breeding: What constitutes an explanation?. <i>Behavioural Processes</i> , 2007, 76, 81-85.	0.5	7
131	From arctic lemmings to adaptive dynamics: Charles Elton's legacy in population ecology. <i>Biological Reviews</i> , 2001, 76, 129-158.	4.7	7
132	The Economics of Egg Trading: Mating Rate, Sperm Competition and Positive Frequency-Dependence. <i>Dynamic Games and Applications</i> , 2014, 4, 379-390.	1.1	6
133	Parthenogenesis and the Evolution of Anisogamy. <i>Cells</i> , 2021, 10, 2467.	1.8	5
134	Social learning by mate choice copying increases dispersal and reduces local adaptation. <i>Functional Ecology</i> , 2021, 35, 705-716.	1.7	4
135	Can an introduced predator select for adaptive sex allocation?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210093.	1.2	4
136	Volatile social environments can favour investments in quality over quantity of social relationships. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20220281.	1.2	4
137	Males, females and the value of toy models: a commentary on. <i>Biology Letters</i> , 2008, 4, 349-350.	1.0	3
138	Mitochondrial complementation: a possible neglected factor behind early eukaryotic sex. <i>Journal of Evolutionary Biology</i> , 2018, 31, 1152-1164.	0.8	3
139	Transmissible cancers and the evolution of sex under the Red Queen hypothesis. <i>PLoS Biology</i> , 2020, 18, e3000916.	2.6	3
140	Resilience of haplodiploids to being exploited by sexually deceptive plants. <i>Oikos</i> , 2021, 130, 2053.	1.2	3
141	Carryover effects from natal habitat type upon competitive ability lead to trait divergence or source-sink dynamics. <i>Ecology Letters</i> , 2018, 21, 1341-1352.	3.0	2
142	Searching for a Cancer-Proof Organism: It's the Journey That Teaches You About the Destination. , 2017, , 247-254.		1
143	r-Strategists/K-Strategists. , 2019, , 193-201.		1
144	The tired copepod and the definition of sexual selection: a comment on Shuker and Kvarnemo. <i>Behavioral Ecology</i> , 2021, 32, 795-796.	1.0	1

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145	Selfish migrants: How a meiotic driver is selected to increase dispersal. <i>Journal of Evolutionary Biology</i> , 2022, 35, 621-632.	0.8	1
146	Diverse ways to think about cancer: What can we learn about cancer by studying it across the tree of life?. <i>Metode</i> , 2019, , .	0.0	0
147	Selection for male stamina can help explain costly displays with cost-minimizing female choice. <i>Behavioral Ecology and Sociobiology</i> , 2022, 76, 1.	0.6	0