

# Alexei A Maklakov

## List of Publications by Citations

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97  
papers

3,694  
citations

34  
h-index

58  
g-index

106  
ext. papers

4,434  
ext. citations

4.7  
avg, IF

5.63  
L-index

#	Paper	IF	Citations
97	Sexual selection, sexual conflict and the evolution of ageing and life span. <i>Functional Ecology</i> , <b>2008</b> , 22, 443-453	5.6	354
96	Sex-specific fitness effects of nutrient intake on reproduction and lifespan. <i>Current Biology</i> , <b>2008</b> , 18, 1062-6	6.3	332
95	Artificial selection on relative brain size in the guppy reveals costs and benefits of evolving a larger brain. <i>Current Biology</i> , <b>2013</b> , 23, 168-71	6.3	295
94	Evolution of sex differences in lifespan and aging: causes and constraints. <i>BioEssays</i> , <b>2013</b> , 35, 717-24	4.1	149
93	Brains and the city: big-brained passerine birds succeed in urban environments. <i>Biology Letters</i> , <b>2011</b> , 7, 730-2	3.6	113
92	Longer life span evolves under high rates of condition-dependent mortality. <i>Current Biology</i> , <b>2012</b> , 22, 2140-3	6.3	107
91	Survival benefits select for group living in a social spider despite reproductive costs. <i>Journal of Evolutionary Biology</i> , <b>2007</b> , 20, 2412-26	2.3	87
90	THE TRANSITION TO SOCIAL INBRED MATING SYSTEMS IN SPIDERS: ROLE OF INBREEDING TOLERANCE IN A SUBSOCIAL PREDECESSOR. <i>Evolution; International Journal of Organic Evolution</i> , <b>2005</b> , 59, 160-174	3.8	87
89	National income inequality predicts women's preferences for masculinized faces better than health does. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2011</b> , 278, 810-2; discussion 813-4	4.4	80
88	Intralocus sexual conflict and environmental stress. <i>Evolution; International Journal of Organic Evolution</i> , <b>2014</b> , 68, 2184-96	3.8	79
87	The Expensive Germline and the Evolution of Ageing. <i>Current Biology</i> , <b>2016</b> , 26, R577-R586	6.3	70
86	Evolution of male and female genitalia following release from sexual selection. <i>Evolution; International Journal of Organic Evolution</i> , <b>2011</b> , 65, 2171-83	3.8	67
85	Artificial selection on relative brain size reveals a positive genetic correlation between brain size and proactive personality in the guppy. <i>Evolution; International Journal of Organic Evolution</i> , <b>2014</b> , 68, 1139-49	3.8	66
84	Sexual selection for increased male body size and protandry in a spider. <i>Animal Behaviour</i> , <b>2004</b> , 68, 1041-50	4.8	66
83	Cooperative sentinel behaviour in the Arabian babbler. <i>Animal Behaviour</i> , <b>2001</b> , 62, 973-979	2.8	66
82	Vibratory courtship in a web-building spider: signalling quality or stimulating the female?. <i>Animal Behaviour</i> , <b>2003</b> , 66, 623-630	2.8	61
81	Sex differences in nutrient-dependent reproductive ageing. <i>Aging Cell</i> , <b>2009</b> , 8, 324-30	9.9	59

80	Sex-specific plasticity in brain morphology depends on social environment of the guppy, <i>Poecilia reticulata</i> . <i>Behavioral Ecology and Sociobiology</i> , <b>2012</b> , 66, 1485-1492	2.5	58
79	Intralocus Sexual Conflict and the Tragedy of the Commons in Seed Beetles. <i>American Naturalist</i> , <b>2016</b> , 188, E98-E112	3.7	54
78	Testing for direct and indirect effects of mate choice by manipulating female choosiness. <i>Current Biology</i> , <b>2009</b> , 19, 1903-6	6.3	53
77	Multivariate intralocus sexual conflict in seed beetles. <i>Evolution; International Journal of Organic Evolution</i> , <b>2014</b> , 68, 3457-69	3.8	50
76	Sexes suffer from suboptimal lifespan because of genetic conflict in a seed beetle. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 4296-302	4.4	50
75	Safe selfish sentinels in a cooperative bird. <i>Journal of Animal Ecology</i> , <b>2001</b> , 70, 1070-1079	4.7	50
74	Why organisms age: Evolution of senescence under positive pleiotropy?. <i>BioEssays</i> , <b>2015</b> , 37, 802-7	4.1	49
73	The benefit of evolving a larger brain: big-brained guppies perform better in a cognitive task. <i>Animal Behaviour</i> , <b>2013</b> , 86, e4-e6	2.8	45
72	Sex differences in the genetic architecture of lifespan in a seed beetle: extreme inbreeding extends male lifespan. <i>BMC Evolutionary Biology</i> , <b>2009</b> , 9, 33	3	45
71	Sexual conflict in the wild: elevated mating rate reduces female lifetime reproductive success. <i>American Naturalist</i> , <b>2005</b> , 165 Suppl 5, S38-45	3.7	44
70	Sexual selection affects lifespan and aging in the seed beetle. <i>Aging Cell</i> , <b>2007</b> , 6, 739-44	9.9	41
69	WITHIN-POPULATION VARIATION IN CYTOPLASMIC GENES AFFECTS FEMALE LIFE SPAN AND AGING IN DROSOPHILA MELANOGASTER. <i>Evolution; International Journal of Organic Evolution</i> , <b>2006</b> , 60, 2081-2086	3.8	41
68	Interactive effects of sex, social environment, dietary restriction, and methionine on survival and reproduction in fruit flies. <i>Age</i> , <b>2013</b> , 35, 1193-204		40
67	Haploid selection within a single ejaculate increases offspring fitness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 8053-8058	11.5	40
66	Evolution of ageing as a tangle of trade-offs: energy versus function. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 286, 20191604	4.4	39
65	Sex differences, sexual selection, and ageing: an experimental evolution approach. <i>Evolution; International Journal of Organic Evolution</i> , <b>2009</b> , 63, 2491-503	3.8	39
64	Sexual conflict over mating in a spider: increased fecundity does not compensate for the costs of polyandry. <i>Evolution; International Journal of Organic Evolution</i> , <b>2004</b> , 58, 1135-40	3.8	39
63	Sex differences in survival costs of homosexual and heterosexual interactions: evidence from a fly and a beetle. <i>Animal Behaviour</i> , <b>2009</b> , 77, 1375-1379	2.8	34

62	Snake-directed mobbing in a cooperative breeder: anti-predator behaviour or self-advertisement for the formation of dispersal coalitions?. <i>Behavioral Ecology and Sociobiology</i> , <b>2002</b> , 52, 372-378	2.5	33
61	Adaptive male effects on female ageing in seed beetles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2005</b> , 272, 2485-9	4.4	30
60	Condition dependence of male mortality drives the evolution of sex differences in longevity. <i>Current Biology</i> , <b>2014</b> , 24, 2423-7	6.3	28
59	Male age does not affect female fitness in a polyandrous beetle, <i>Callosobruchus maculatus</i> . <i>Animal Behaviour</i> , <b>2007</b> , 74, 541-548	2.8	28
58	Ontogenetic timing as a condition-dependent life history trait: High-condition males develop quickly, peak early, and age fast. <i>Evolution; International Journal of Organic Evolution</i> , <b>2017</b> , 71, 671-685	3.8	27
57	The effects of age at mating on female life-history traits in a seed beetle. <i>Behavioral Ecology</i> , <b>2007</b> , 18, 551-555	2.3	27
56	State-dependent decisions in nest site selection by a web-building spider. <i>Animal Behaviour</i> , <b>2002</b> , 64, 447-452	2.8	27
55	Sexually antagonistic selection on genetic variation underlying both male and female same-sex sexual behavior. <i>BMC Evolutionary Biology</i> , <b>2016</b> , 16, 88	3	23
54	Intergenerational Transfer of Ageing: Parental Age and Offspring Lifespan. <i>Trends in Ecology and Evolution</i> , <b>2020</b> , 35, 927-937	10.9	22
53	Sex-specific Tradeoffs With Growth and Fitness Following Life-span Extension by Rapamycin in an Outcrossing Nematode, <i>Caenorhabditis remanei</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2016</b> , 71, 882-90	6.4	21
52	Evolution Under Dietary Restriction Decouples Survival From Fecundity in <i>Drosophila melanogaster</i> Females. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2019</b> , 74, 1542-1548	6.4	20
51	Slow development as an evolutionary cost of long life. <i>Functional Ecology</i> , <b>2017</b> , 31, 1252-1261	5.6	19
50	Antagonistically pleiotropic allele increases lifespan and late-life reproduction at the cost of early-life reproduction and individual fitness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2017</b> , 284,	4.4	19
49	Evolution of differential maternal age effects on male and female offspring development and longevity. <i>Functional Ecology</i> , <b>2015</b> , 29, 104-110	5.6	19
48	Evolution under dietary restriction increases male reproductive performance without survival cost. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283, 20152726	4.4	19
47	Intersexual correlation for same-sex sexual behaviour in an insect. <i>Animal Behaviour</i> , <b>2013</b> , 85, 759-762	2.8	19
46	Indirect genetic benefits of polyandry in a spider with direct costs of mating. <i>Behavioral Ecology and Sociobiology</i> , <b>2006</b> , 61, 31-38	2.5	18
45	Host diet mediates a negative relationship between abundance and diversity of gut microbiota. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 9491-9502	2.8	18

44	Experimentally reduced insulin/IGF-1 signaling in adulthood extends lifespan of parents and improves Darwinian fitness of their offspring. <i>Evolution Letters</i> , <b>2019</b> , 3, 207-216	5.3	17
43	Reduced costs of reproduction in females mediate a shift from a male-biased to a female-biased lifespan in humans. <i>Scientific Reports</i> , <b>2016</b> , 6, 24672	4.9	17
42	Selection on learning performance results in the correlated evolution of sexual dimorphism in life history. <i>Evolution; International Journal of Organic Evolution</i> , <b>2016</b> , 70, 342-57	3.8	17
41	Why ageing stops: heterogeneity explains late-life mortality deceleration in nematodes. <i>Biology Letters</i> , <b>2013</b> , 9, 20130217	3.6	16
40	Ageing and the evolution of female resistance to remating in seed beetles. <i>Biology Letters</i> , <b>2006</b> , 2, 62-43.6	3.6	16
39	Parental breeding age effects on descendants longevity interact over 2 generations in matriline and patriline. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000556	9.7	16
38	Sex-dependent evolution of life-history traits following adaptation to climate warming. <i>Functional Ecology</i> , <b>2014</b> , 28, 469-478	5.6	15
37	Long life evolves in large-brained bird lineages. <i>Evolution; International Journal of Organic Evolution</i> , <b>2020</b> , 74, 2617-2628	3.8	15
36	Within-population variation in cytoplasmic genes affects female life span and aging in <i>Drosophila melanogaster</i> . <i>Evolution; International Journal of Organic Evolution</i> , <b>2006</b> , 60, 2081-6	3.8	14
35	The effect of sexual harassment on lethal mutation rate in female <i>Drosophila melanogaster</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 280, 20121874	4.4	13
34	The roles of life-history selection and sexual selection in the adaptive evolution of mating behavior in a beetle. <i>Evolution; International Journal of Organic Evolution</i> , <b>2010</b> , 64, 1273-82	3.8	13
33	Sex differences in adult mortality rate mediated by early-life environmental conditions. <i>Ecology Letters</i> , <b>2018</b> , 21, 235-242	10	13
32	Silver-spoon upbringing improves early-life fitness but promotes reproductive ageing in a wild bird. <i>Ecology Letters</i> , <b>2020</b> , 23, 994-1002	10	13
31	Sex differences in obesity associated with total fertility rate. <i>PLoS ONE</i> , <b>2010</b> , 5, e10587	3.7	12
30	Environmental variation mediates the evolution of anticipatory parental effects. <i>Evolution Letters</i> , <b>2020</b> , 4, 371-381	5.3	12
29	Aging differently: diet- and sex-dependent late-life mortality patterns in <i>Drosophila melanogaster</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2014</b> , 69, 666-74	6.4	10
28	Sex differences in cognitive ageing: testing predictions derived from life-history theory in a dioecious nematode. <i>Experimental Gerontology</i> , <b>2013</b> , 48, 1469-72	4.5	10
27	Selection for longer lived sperm within ejaculate reduces reproductive ageing in offspring. <i>Evolution Letters</i> , <b>2019</b> , 3, 198-206	5.3	10

26	Dietary Restriction Improves Fitness of Aging Parents But Reduces Fitness of Their Offspring in Nematodes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2020</b> , 75, 843-848 <sup>6.4</sup>	8
25	Sexual selection did not contribute to the evolution of male lifespan under curtailed age at reproduction in a seed beetle. <i>Ecological Entomology</i> , <b>2009</b> , 34, 638-643	2.1 8
24	Aging: why do organisms live too long?. <i>Current Biology</i> , <b>2013</b> , 23, R1003-R1005	6.3 6
23	The worm that lived: Evolution of rapid aging under high extrinsic mortality revisited. <i>Worm</i> , <b>2013</b> , 2, e23704	6
22	Transgenerational fitness effects of lifespan extension by dietary restriction in. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20210701	4.4 5
21	Kin but less than kind: within-group male relatedness does not increase female fitness in seed beetles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 286, 20191664	4.4 4
20	Sexual conflict: male control of female longevity. <i>Current Biology</i> , <b>2014</b> , 24, R196-8	6.3 4
19	Inter-sexual combat and resource allocation into body parts in the spider, <i>Stegodyphus lineatus</i> . <i>Ecological Entomology</i> , <b>2006</b> , 31, 564-567	2.1 4
18	THE TRANSITION TO SOCIAL INBRED MATING SYSTEMS IN SPIDERS: ROLE OF INBREEDING TOLERANCE IN A SUBSOCIAL PREDECESSOR. <i>Evolution; International Journal of Organic Evolution</i> , <b>2005</b> , 59, 160	3.8 4
17	SEXUAL CONFLICT OVER MATING IN A SPIDER: INCREASED FECUNDITY DOES NOT COMPENSATE FOR THE COSTS OF POLYANDRY. <i>Evolution; International Journal of Organic Evolution</i> , <b>2004</b> , 58, 1135	3.8 4
16	Fitness benefits of dietary restriction. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20211787	4.4 4
15	Rapamycin additively extends lifespan in short- and long-lived lines of the nematode <i>Caenorhabditis remanei</i> . <i>Experimental Gerontology</i> , <b>2017</b> , 90, 79-82	4.5 3
14	Ageing as "early-life inertia": Disentangling life-history trade-offs along a lifetime of an individual. <i>Evolution Letters</i> , <b>2021</b> , 5, 551-564	5.3 3
13	Experimental evolution of slowed cognitive aging in <i>Drosophila melanogaster</i> . <i>Evolution; International Journal of Organic Evolution</i> , <b>2017</b> , 71, 662-670	3.8 2
12	Ageing: Why Males Curtail the Longevity of Their Mates. <i>Current Biology</i> , <b>2016</b> , 26, R929-R932	6.3 2
11	Silver-spoon upbringing improves early-life fitness but promotes reproductive ageing in a wild bird	2
10	Cost-free lifespan extension via optimization of gene expression in adulthood aligns with the developmental theory of ageing. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20201728	4.4 2
9	Brains and the city in passerine birds: re-analysis and confirmation of the original result. <i>Biology Letters</i> , <b>2013</b> , 9, 20130859	3.6 1

8	Evolutionary causes of lifespan extension by dietary restriction: linking theory and mechanisms		1
7	Beneficial cumulative effects of old parental age on offspring fitness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20211843	4.4	1
6	Transgenerational fitness effects of lifespan extension by dietary restriction in <i>Caenorhabditis elegans</i>		1
5	Environmental variation mediates the evolution of anticipatory parental effects		1
4	Beneficial cumulative effects of old parental age on offspring fitness		1
3	Inbreeding reduces fitness of seed beetles under thermal stress. <i>Journal of Evolutionary Biology</i> , <b>2021</b> , 34, 1386-1396	2.3	1
2	Artificial selection for increased dispersal results in lower fitness. <i>Journal of Evolutionary Biology</i> , <b>2020</b> , 33, 217-224	2.3	0
1	Amotz Zahavi (1928-2017). <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 1056-1057	12.3	