Tadeusz J Kawecki

List of Publications by Year
in descending order

91 papers	9,036 citations	94433 37 h-index	51608 86 g-index
97 all docs	97 docs citations	97 times ranked	9858 citing authors

#	Article	IF	Citations
1	Conceptual issues in local adaptation. Ecology Letters, 2004, 7, 1225-1241.	6.4	2,964
2	Experimental evolution. Trends in Ecology and Evolution, 2012, 27, 547-560.	8.7	631
3	Adaptation to Marginal Habitats. Annual Review of Ecology, Evolution, and Systematics, 2008, 39, 321-342.	8.3	515
4	A fitness cost of learning ability in Drosophila melanogaster. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 2465-2469.	2.6	249
5	A Cost of Long-Term Memory in <i>Drosophila</i>. Science, 2005, 308, 1148-1148.	12.6	235
6	Experimental evolution of learning ability in fruit flies. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14274-14279.	7.1	224
7	Evolutionary biology of starvation resistance: what we have learned from <i>Drosophila</i>. Journal of Evolutionary Biology, 2007, 20, 1655-1664.	1.7	193
8	Natural polymorphism affecting learning and memory in <i>Drosophila</i>. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13051-13055.	7.1	184
9	The evolution of life histories in spatially heterogeneous environments: Optimal reaction norms revisited. Evolutionary Ecology, 1993, 7, 155-174.	1.2	175
10	Accumulation of Deleterious Mutations and the Evolutionary Cost of Being a Generalist. American Naturalist, 1994, 144, 833-838.	2.1	175
11	The differential genetic and environmental canalization of fitness components in Drosophila melanogaster. Journal of Evolutionary Biology, 1995, 8, 539-557.	1.7	159
12	FITNESS SENSITIVITY AND THE CANALIZATION OF LIFE-HISTORY TRAITS. Evolution; International Journal of Organic Evolution, 1994, 48, 1438-1450.	2.3	156
13	Evolutionary Consequences of Asymmetric Dispersal Rates. American Naturalist, 2002, 160, 333-347.	2.1	156
14	Demography of source?sink populations and the evolution of ecological niches. Evolutionary Ecology, 1995, 9, 38-44.	1.2	153
15	Effects of parental larval diet on egg size and offspring traits in <i>Drosophila</i>. Biology Letters, 2010, 6, 238-241.	2.3	129
16	THE EVOLUTION OF GENETIC CANALIZATION UNDER FLUCTUATING SELECTION. Evolution; International Journal of Organic Evolution, 2000, 54, 1-12.	2.3	116
17	Influence of Plasticity and Learning on Evolution under Directional Selection. American Naturalist, 2007, 170, E47-E58.	2.1	113
18	JUVENILE HORMONE AS A REGULATOR OF THE TRADE-OFF BETWEEN REPRODUCTION AND LIFE SPAN INDROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2007, 61, 1980-1991.	2.3	108

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19	An operating cost of learning in Drosophila melanogaster. Animal Behaviour, 2004, 68, 589-598.	1.9	104
20	Fitness Sensitivity and the Canalization of Life-History Traits. Evolution; International Journal of Organic Evolution, 1994, 48, 1438.	2.3	103
21	LEARNING ABILITY AND LONGEVITY: A SYMMETRICAL EVOLUTIONARY TRADE-OFF IN DROSOPHILA. Evolution; International Journal of Organic Evolution, 2008, 62, 1294-1304.	2.3	102
22	LIFE-HISTORY CONSEQUENCES OF ADAPTATION TO LARVAL NUTRITIONAL STRESS IN<i>DROSOPHILA</i>. Evolution; International Journal of Organic Evolution, 2009, 63, 2389-2401.	2.3	102
23	Expression of genetic and environmental variation for life history characters on the usual and novel hosts in Callosobruchus maculatus (Coleoptera:Bruchidae). Heredity, 1995, 75, 70-76.	2.6	98
24	Predatory cannibalism in Drosophila melanogaster larvae. Nature Communications, 2013, 4, 1789.	12.8	91
25	DECLINE IN OFFSPRING VIABILITY AS A MANIFESTATION OF AGING IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2001, 55, 1822-1831.	2.3	86
26	The Maintenance (or Not) of Polygenic Variation by Soft Selection in Heterogeneous Environments. American Naturalist, 2004, 164, 70-84.	2.1	85
27	Evolution under monogamy feminizes gene expression in Drosophila melanogaster. Nature Communications, 2014, 5, 3482.	12.8	83
28	Adaptation to marginal habitats: contrasting influence of the dispersal rate on the fate of alleles with small and large effects. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 1315-1320.	2.6	82
29	Evolutionary ecology of learning: insights from fruit flies. Population Ecology, 2010, 52, 15-25.	1.2	73
30	Sexual conflict drives male manipulation of female postmating responses in <i>Drosophila melanogaster</i>. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8437-8444.	7.1	72
31	THE EFFECT OF LEARNING ON EXPERIMENTAL EVOLUTION OF RESOURCE PREFERENCE IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2004, 58, 757-767.	2.3	65
32	Age and Size at Maturity in a Patchy Environment: Fitness Maximization versus Evolutionary Stability. Oikos, 1993, 66, 309.	2.7	53
33	Adaptive plasticity of egg size in response to competition in the cowpea weevil, Callosobruchus maculatus (Coleoptera: Bruchidae). Oecologia, 1995, 102, 81-85.	2.0	50
34	Sympatric Speciation via Habitat Specialization Driven by Deleterious Mutations. Evolution; International Journal of Organic Evolution, 1997, 51, 1751.	2.3	50
35	GENETIC ARCHITECTURE OF DIFFERENCES BETWEEN POPULATIONS OF COWPEA WEEVIL (CALLOSOBRUCHUS) Tj ETQq1 1 0.784314 Evolution, 2003, 57, 274-287.	2.3	48
36	Male cognitive performance declines in the absence of sexual selection. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132873.	2.6	48

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37	Dietary restriction affects lifespan but not cognitive aging in <i>Drosophila melanogaster</i>. Aging Cell, 2010, 9, 327-335.	6.7	42
38	Ecological and Evolutionary Consequences of Source-Sink Population Dynamics. , 2004, , 387-414.		41
39	Adaptation to Chronic Nutritional Stress Leads to Reduced Dependence on Microbiota in <i>Drosophila melanogaster</i>. MBio, 2017, 8, .	4.1	39
40	THE EVOLUTION OF GENETIC CANALIZATION UNDER FLUCTUATING SELECTION. Evolution; International Journal of Organic Evolution, 2000, 54, 1.	2.3	38
41	Reduced learning ability as a consequence of evolutionary adaptation to nutritional stress in <i>Drosophila melanogaster</i>. Ecological Entomology, 2008, 33, 583-588.	2.2	38
42	Adaptive Host Preference and the Dynamics of Hostâ€“Parasitoid Interactions. Theoretical Population Biology, 1999, 56, 307-324.	1.1	37
43	Costs and benefits for phytophagous myrmecophiles: when ants are not always available. Oikos, 2001, 92, 467-478.	2.7	35
44	Influence of learning on range expansion and adaptation to novel habitats. Journal of Evolutionary Biology, 2009, 22, 2201-2214.	1.7	33
45	SV40-Induced Expression of Calretinin Protects Mesothelial Cells from Asbestos Cytotoxicity and May Be a Key Factor Contributing to Mesothelioma Pathogenesis. American Journal of Pathology, 2009, 174, 2324-2336.	3.8	33
46	Gut physiology mediates a tradeâ€off between adaptation to malnutrition and susceptibility to foodâ€borne pathogens. Ecology Letters, 2015, 18, 1078-1086.	6.4	33
47	Pleiotropic Effects of methoprene-tolerant (Met), a Gene Involved in Juvenile Hormone Metabolism, on Life History Traits in Drosophila melanogaster. Genetica, 2004, 122, 141-160.	1.1	31
48	Experimental Evolution of Olfactory Memory in Drosophila melanogaster. Physiological and Biochemical Zoology, 2007, 80, 399-405.	1.5	31
49	Fruit flies learn to avoid odours associated with virulent infection. Biology Letters, 2014, 10, 20140048.	2.3	31
50	Chronic malnutrition favours smaller critical size for metamorphosis initiation in <i>Drosophila melanogaster</i>. Journal of Evolutionary Biology, 2012, 25, 288-292.	1.7	30
51	The Influence of Learning on Evolution: A Mathematical Framework. Artificial Life, 2009, 15, 227-245.	1.3	29
52	Host diet mediates a negative relationship between abundance and diversity of <i>Drosophila</i> gut microbiota. Ecology and Evolution, 2018, 8, 9491-9502.	1.9	29
53	Effects of inbreeding on aversive learning in <i>Drosophila</i>. Journal of Evolutionary Biology, 2010, 23, 2333-2345.	1.7	28
54	Plastic and evolutionary responses of cell size and number to larval malnutrition in Drosophila melanogaster. Journal of Evolutionary Biology, 2011, 24, 897-903.	1.7	26

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55	Evolution of foraging behaviour in response to chronic malnutrition in <i>Drosophila melanogaster</i>. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3540-3546.	2.6	26
56	Evolutionary conservatism of geographic variation in host preference in Callosobruchus maculatus. Ecological Entomology, 2003, 28, 449-456.	2.2	24
57	Unisexual/Bisexual Breeding Complexes in Poeciliidae: Why do Males Copulate with Unisexual Females?. Evolution; International Journal of Organic Evolution, 1988, 42, 1018.	2.3	22
58	Genetically idiosyncratic responses of Drosophila melanogaster populations to selection for improved learning ability. Journal of Evolutionary Biology, 2006, 19, 1265-1274.	1.7	22
59	No evidence that withinâ€group male relatedness reduces harm to females in <i><scp>D</scp>rosophila</i>. Ecology and Evolution, 2015, 5, 979-983.	1.9	21
60	Sexâ€Biased Dispersal and Adaptation to Marginal Habitats. American Naturalist, 2003, 162, 415-426.	2.1	19
61	<i>Drosophila</i> rely on learning while foraging under semiâ€natural conditions. Ecology and Evolution, 2013, 3, 4139-4148.	1.9	18
62	Adaptation to Abundant Low Quality Food Improves the Ability to Compete for Limited Rich Food in Drosophila melanogaster. PLoS ONE, 2012, 7, e30650.	2.5	18
63	Quantitative genetics of learning ability and resistance to stress in <i>Drosophila melanogaster</i>. Ecology and Evolution, 2015, 5, 543-556.	1.9	16
64	Experimental evolution of post-ingestive nutritional compensation in response to a nutrient-poor diet. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202684.	2.6	15
65	UNISEXUAL/BISEXUAL BREEDING COMPLEXES IN POECILIIDAE: WHY DO MALES COPULATE WITH UNISEXUAL FEMALES?. Evolution; International Journal of Organic Evolution, 1988, 42, 1018-1023.	2.3	14
66	Sexual selection shapes development and maturation rates inDrosophila. Evolution; International Journal of Organic Evolution, 2017, 71, 304-314.	2.3	14
67	The Genomic Architecture of Adaptation to Larval Malnutrition Points to a Trade-off with Adult Starvation Resistance in <i>Drosophila</i>. Molecular Biology and Evolution, 2021, 38, 2732-2749.	8.9	14
68	Prepupal Building Behavior in Drosophila melanogaster and Its Evolution under Resource and Time Constraints. PLoS ONE, 2015, 10, e0117280.	2.5	13
69	An experimental test of the egg-ratio method: estimated versus observed death rates. Freshwater Biology, 1992, 28, 237-248.	2.4	12
70	Epistasis and maternal effects in experimental adaptation to chronic nutritional stress in <i>Drosophila</i>. Journal of Evolutionary Biology, 2013, 26, 2566-2580.	1.7	12
71	Idiosyncratic evolution of maternal effects in response to juvenile malnutrition in <i>Drosophila</i>. Journal of Evolutionary Biology, 2015, 28, 876-884.	1.7	12
72	Evolution of reduced postâ€copulatory molecular interactions in <i>Drosophila</i> populations lacking sperm competition. Journal of Evolutionary Biology, 2016, 29, 77-85.	1.7	11

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73	Sexual selection favours good or bad genes for pathogen resistance depending on males' pathogen exposure. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190226.	2.6	11
74	Young queens of the harvesting antMessor semimfus avoid founding in places visited by conspecific workers. Insectes Sociaux, 1992, 39, 113-115.	1.2	10
75	The value of complementary approaches in evolutionary research: reply to MagalhÃ£es and Matos. Trends in Ecology and Evolution, 2012, 27, 650-651.	8.7	9
76	No trade-off between learning ability and parasitoid resistance in Drosophila melanogaster. Journal of Evolutionary Biology, 2006, 19, 1359-1363.	1.7	8
77	The effect of learning on the evolution of new courtship behavior: A simulation model. Environmental Epigenetics, 2015, 61, 1062-1072.	1.8	7
78	Sexual selection reveals a cost of pathogen resistance undetected in lifeâ€history assays. Evolution; International Journal of Organic Evolution, 2020, 74, 338-348.	2.3	7
79	Behavior and Neurobiology. , 2009, , 263-300.		7
80	Adaptation to larval malnutrition does not affect fluctuating asymmetry in<i>Drosophila melanogaster</i>. Biological Journal of the Linnean Society, 2011, 104, 19-28.	1.6	6
81	The impact of learning on selection-driven speciation. Trends in Ecology and Evolution, 2013, 28, 68-69.	8.7	6
82	GENETIC ARCHITECTURE OF DIFFERENCES BETWEEN POPULATIONS OF COWPEA WEEVIL (CALLOSOBRUCHUS) Tj ETQq0 0 0 rgBT /Ove Evolution, 2003, 57, 274.	2.3	5
83	Virulent bacterial infection improves aversive learning performance in Drosophila melanogaster. Brain, Behavior, and Immunity, 2014, 41, 152-161.	4.1	5
84	Habitat quality ranking depends on habitatâ€independent environmental factors: a model and results from Callosobruchus maculatus. Functional Ecology, 1997, 11, 247-254.	3.6	4
85	THE EFFECT OF LEARNING ON EXPERIMENTAL EVOLUTION OF RESOURCE PREFERENCE IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2004, 58, 757.	2.3	4
86	Sex-linked altruism: A stepping-stone in the evolution of social behavior?. Journal of Evolutionary Biology, 1991, 4, 487-500.	1.7	3
87	Experimental evolution of slowed cognitive aging in<i>Drosophila melanogaster</i>. Evolution; International Journal of Organic Evolution, 2017, 71, 662-670.	2.3	3
88	Evidence for epistasis: reply to Trouve et al.. Journal of Evolutionary Biology, 2004, 17, 1402-1404.	1.7	1
89	Can Test-Tube Evolution Explain Biodiversity?. Trends in Ecology and Evolution, 2015, 30, 568-569.	8.7	0
90	Fugitive Coexistence Mediated by Evolutionary Lag in Local Adaptation in Metapopulations. Annales Zoologici Fennici, 2017, 54, 139-152.	0.6	0

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91	Adaptation to a bacterial pathogen in <i>Drosophila melanogaster</i> is not aided by sexual selection. Ecology and Evolution, 2022, 12, e8543.	1.9	0