Nina Wedell

List of Publications by Year in Descending Order

145 papers	7,668 citations	46 h-index	84 g-index
206 ext. papers	8,411 ext. citations	5.8 avg, IF	6.28 L-index

#	Paper	IF	Citations
145	Sexual selection: Large sex combs signal male triumph in sperm competition. *Current Biology*, **2021**, 31, R478-R481	6.3	1
144	The impact of female mating strategies on the success of insect control technologies. *Current Opinion in Insect Science*, **2021**, 45, 75-83	5.1	2
143	Sexual selection on the genital lobes of male Drosophila simulans. *Evolution; International Journal of Organic Evolution*, **2021**, 75, 501-514	3.8	0
142	Selfish genes and sexual selection: the impact of genomic parasites on host reproduction. *Journal of Zoology*, **2020**, 311, 1-12	2	5
141	Fifty years of sperm competition: the structure of a scientific revolution. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2020**, 375, 20200060	5.8	9
140	Selfish genetic elements and male fertility. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2020**, 375, 20200067	5.8	5
139	Nature, Nurture, and Nature-by-Nurture Killing the Dichotomy **2019**, 1-9		
138	Nature-Nurture in the Twenty-First Century **2019**, 245-251		
137	Genes and Environments in Drosophila Sex **2019**, 111-129		1
136	The Effect of Non-Self Genes on the Behaviour of Hosts **2019**, 157-180		4
135	Sexual selection drives the evolution of male wing interference patterns. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20182850	4.4	12
134	No selection for change in polyandry under experimental evolution. *Journal of Evolutionary Biology*, **2019**, 32, 717-730	2.3	4
133	infection can bias estimates of intralocus sexual conflict. *Ecology and Evolution*, **2019**, 9, 328-338	2.8	3
132	Experimental evolution reveals divergence in female genital teeth morphology in response to sexual conflict intensity in a moth. *Journal of Evolutionary Biology*, **2019**, 32, 519-524	2.3	7
131	Sperm Competition **2019**, 498-504		
130	Flexible polyandry in female flies is an adaptive response to infertile males. *Behavioral Ecology*, **2019**, 30, 1715-1724	2.3	12
129	Fluctuating asymmetry, parasitism and reproductive fitness in two species of gammarid crustacean. *Diseases of Aquatic Organisms*, **2019**, 136, 37-49	1.7	2

128	Podocotyle atomon (Trematoda: Digenea) impacts reproductive behaviour, survival and physiology in Gammarus zaddachi (Amphipoda). *Diseases of Aquatic Organisms*, **2019**, 136, 51-62	1.7	3
127	Does mating negatively affect female immune defences in insects?. *Animal Biology*, **2019**, 69, 117-136	0.7	18
126	Ancient gene drives: an evolutionary paradox. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20192267	4.4	8
125	An X-linked meiotic drive allele has strong, recessive fitness costs in female. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20192038	4.4	11
124	Penis evolution across species: divergence and diversity. *Nature Reviews Urology*, **2019**, 16, 98-106	5.5	10
123	Three billion years of research and development. *Nature Ecology and Evolution*, **2017**, 1, 35	12.3	2
122	Pleiotropic Effects of DDT Resistance on Male Size and Behaviour. *Behavior Genetics*, **2017**, 47, 449-458	3.2	16
121	Animal personalities: an empty placeholder feigning understanding: a comment on Beekman and Jordan. *Behavioral Ecology*, **2017**, 28, 629-630	2.3	4
120	EB Ford revisited: assessing the long-term stability of wing-spot patterns and population genetic structure of the meadow brown butterfly on the Isles of Scilly. *Heredity*, **2017**, 118, 322-329	3.6	2
119	Experimental evolution under hyper-promiscuity in Drosophila melanogaster. *BMC Evolutionary Biology*, **2016**, 16, 131	3	11
118	Intralocus sexual conflict and insecticide resistance. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	10
117	The Ecology and Evolutionary Dynamics of Meiotic Drive. *Trends in Ecology and Evolution*, **2016**, 31, 315-326	12.9	198
116	Variation in male fertility in a polymorphic moth, Parasemia plantaginis. *Animal Behaviour*, **2016**, 111, 33-40	2.8	5
115	Temperature can shape a cline in polyandry, but only genetic variation can sustain it over time. *Behavioral Ecology*, **2016**, 27, 462-469	2.3	7
114	Winter is coming: hibernation reverses the outcome of sperm competition in a fly. *Journal of Evolutionary Biology*, **2016**, 29, 371-9	2.3	7
113	Opposite environmental and genetic influences on body size in North American Drosophila pseudoobscura. *BMC Evolutionary Biology*, **2015**, 15, 51	3	7
112	Coevolutionary dynamics of polyandry and sex-linked meiotic drive. *Evolution; International Journal of Organic Evolution*, **2015**, 69, 709-20	3.8	26
111	Sexual conflict maintains variation at an insecticide resistance locus. *BMC Biology*, **2015**, 13, 34	7.3	25

110	Selfish Genetic Elements and Sexual Selection. *History, Philosophy and Theory of the Life Sciences*, **2015**, 165-190	0.4	2
109	Inbreeding alters intersexual fitness correlations in Drosophila simulans. *Ecology and Evolution*, **2014**, 4, 3330-8	2.8	8
108	Conflict on the sex chromosomes: cause, effect, and complexity. *Cold Spring Harbor Perspectives in Biology*, **2014**, 6, a017715	10.2	33
107	The impact of predation risk and of parasitic infection on parental care in brooding crustaceans. *Animal Behaviour*, **2014**, 96, 97-105	2.8	8
106	The impact of Wolbachia, male age and mating history on cytoplasmic incompatibility and sperm transfer in Drosophila simulans. *Journal of Evolutionary Biology*, **2014**, 27, 1-10	2.3	24
105	Does polyandry control population sex ratio via regulation of a selfish gene?. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281, 20133259	4.4	30
104	The evolution of sex ratio distorter suppression affects a 25 cM genomic region in the butterfly Hypolimnas bolina. *PLoS Genetics*, **2014**, 10, e1004822	6	22
103	Can patterns of chromosome inversions in Drosophila pseudoobscura predict polyandry across a geographical cline?. *Ecology and Evolution*, **2014**, 4, 3072-81	2.8	5
102	Perceived risk of sperm competition affects sperm investment in a mate-guarding amphipod. *Animal Behaviour*, **2014**, 87, 231-238	2.8	5
101	Polyandry in nature: a global analysis. *Trends in Ecology and Evolution*, **2014**, 29, 376-83	10.9	150
100	The dynamic relationship between polyandry and selfish genetic elements. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120049	5.8	44
99	The polyandry revolution. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120041	5.8	89
98	The interplay between different stages of reproduction in males of the moth Plodia interpunctella. *Animal Behaviour*, **2013**, 86, 917-922	2.8	18
97	Polyandry and sex-specific gene expression. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120047	5.8	26
96	Experimental evolution reveals trade-offs between mating and immunity. *Biology Letters*, **2013**, 9, 20130262	3.6	27
95	Sexual and natural selection both influence male genital evolution. *PLoS ONE*, **2013**, 8, e63807	3.7	39
94	No evidence that temperature-related fertility differences influence the distribution of a selfish genetic element. *Functional Ecology*, **2012**, 26, 657-665	5.6	13
93	The consequences of genetic variation in sex peptide expression levels for egg laying and retention in females. *Heredity*, **2012**, 109, 222-5	3.6	12

92	Transposable elements and insecticide resistance. *Advances in Genetics*, **2012**, 78, 169-201	3.3	18
91	No evidence of mate discrimination against males carrying a sex ratio distorter in Drosophila pseudoobscura. *Behavioral Ecology and Sociobiology*, **2012**, 66, 561-568	2.5	19
90	Incomplete sex chromosome dosage compensation in the Indian meal moth, Plodia interpunctella, based on de novo transcriptome assembly. *Genome Biology and Evolution*, **2012**, 4, 1118-26	3.9	57
89	DDT resistance, epistasis and male fitness in flies. *Journal of Evolutionary Biology*, **2011**, 24, 1351-62	2.3	30
88	Evidence for strong intralocus sexual conflict in the Indian meal moth, Plodia interpunctella. *Evolution; International Journal of Organic Evolution*, **2011**, 65, 2085-97	3.8	95
87	Remating in the laboratory reflects rates of polyandry in the wild. *Animal Behaviour*, **2011**, 82, 1381-1386	2.8	23
86	Wolbachia infection lowers fertile sperm transfer in a moth. *Biology Letters*, **2011**, 7, 187-9	3.6	23
85	Genotype-by-environment interactions for female preference. *Journal of Evolutionary Biology*, **2010**, 23, 2550-7	2.3	48
84	Sex ratio drive promotes sexual conflict and sexual coevolution in the fly Drosophila pseudoobscura. *Evolution; International Journal of Organic Evolution*, **2010**, 64, 1504-9	3.8	12
83	Variation in male courtship costs in butterflies. *Behavioral Ecology and Sociobiology*, **2010**, 64, 1385-1391	2.5	23
82	Attractive males do not sire superior daughters. *Evolutionary Ecology*, **2010**, 24, 195-205	1.8	17
81	Level of sperm competition promotes evolution of male ejaculate allocation patterns in a moth. *Animal Behaviour*, **2010**, 80, 37-43	2.8	31
80	Polyandry prevents extinction. *Current Biology*, **2010**, 20, 471-5	6.3	48
79	Speed or sperm: A potential trade-off between development and reproduction in the butterfly, Bicyclus anynana (Lepidoptera: Nymphalidae). *European Journal of Entomology*, **2010**, 107, 55-59		6
78	Coevolution of non-fertile sperm and female receptivity in a butterfly. *Biology Letters*, **2009**, 5, 678-81	3.6	18
77	Rapidly shifting sex ratio across a species range. *Current Biology*, **2009**, 19, 1628-31	6.3	32
76	Male moths reduce sperm investment in relatives. *Animal Behaviour*, **2009**, 77, 1547-1550	2.8	21
75	Interactions between the sexes: new perspectives on sexual selection and reproductive isolation. *Evolutionary Ecology*, **2009**, 23, 71-91	1.8	20

74	Correlated responses to selection on female egg size in male reproductive traits in a butterfly. *Evolutionary Ecology*, **2009**, 23, 389-402	1.8	5
73	Sperm dumping as a defense against meiotic drive. *Journal of Biology*, **2009**, 8, 6		4
72	Phenotypic and genetic variation in male genitalia in the seedbug, Lygaeus equestris (Heteroptera). *Biological Journal of the Linnean Society*, **2009**, 98, 400-405	1.9	17
71	Monogamy and the battle of the sexes. *Annual Review of Entomology*, **2009**, 54, 361-78	21.8	107
70	Variation in sex peptide expression in D. melanogaster. *Genetical Research*, **2009**, 91, 237-42	1.1	23
69	Nuptial gifts fail to resolve a sexual conflict in an insect. *BMC Evolutionary Biology*, **2008**, 8, 204	3	18
68	Age-based female preference in the fruit fly Drosophila pseudoobscura. *Animal Behaviour*, **2008**, 75, 1413-1421	2.8	51
67	Multiple mating increases female fitness in Drosophila simulans. *Animal Behaviour*, **2008**, 76, 963-970	2.8	56
66	Attractive males have greater success in sperm competition. *Current Biology*, **2008**, 18, R553-4	6.3	93
65	Selfish genetic elements promote polyandry in a fly. *Science*, **2008**, 322, 1241-3	33.3	85
64	The impact of anaesthetic technique on survival and fertility in Drosophila. *Physiological Entomology*, **2008**, 33, 310-315	1.9	22
63	Do Wolbachia-associated incompatibilities promote polyandry?. *Evolution; International Journal of Organic Evolution*, **2008**, 62, 107-22	3.8	25
62	Selfish genetic elements and sexual selection: their impact on male fertility. *Genetica*, **2008**, 132, 295-307	1.5	46
61	Selfish genetic elements and sexual selection: their impact on male fertility. *Genetica*, **2008**, 134, 99-111	1.5	31
60	Sperm competition, immunity, selfish genes and cancer. *Cellular and Molecular Life Sciences*, **2008**, 65, 3241-54	10.3	15
59	Sexual selection and female fitness in Drosophila simulans. *Behavioral Ecology and Sociobiology*, **2008**, 62, 721-728	2.5	37
58	Female remating in butterflies: interaction between female genotype and nonfertile sperm. *Journal of Evolutionary Biology*, **2008**, 14, 746-754	2.3	42
57	Sex ratio distorter reduces sperm competitive ability in an insect. *Evolution; International Journal of Organic Evolution*, **2008**, 62, 1644-52	3.8	53

56	Male-killing bacteria trigger a cycle of increasing male fatigue and female promiscuity. *Current Biology*, **2007**, 17, 273-7	6.3	78
55	The heritability of attractiveness. *Current Biology*, **2007**, 17, R959-60	6.3	70
54	Mate preferences in Drosophila infected with Wolbachia?. *Behavioral Ecology and Sociobiology*, **2007**, 61, 1229-1235	2.5	33
53	Effect of Adult Feeding on Male Mating Behaviour in the Butterfly, Bicyclus anynana (Lepidoptera: Nymphalidae). *Journal of Insect Behavior*, **2007**, 20, 201-213	1.1	34
52	Extraordinary flux in sex ratio. *Science*, **2007**, 317, 214	33.3	98
51	Sperm competition and ejaculate evolution. *Society of Reproduction and Fertility Supplement*, **2007**, 65, 115-35		
50	Sexual conflict and life histories. *Animal Behaviour*, **2006**, 71, 999-1011	2.8	102
49	Variation in the cost to females of the sexual conflict over mating in the seed bug, Lygaeus equestris. *Animal Behaviour*, **2006**, 72, 313-321	2.8	34
48	Female preference for male courtship song and its role as a signal of immune function and condition. *Animal Behaviour*, **2006**, 72, 809-818	2.8	70
47	Competing selfish genetic elements in the butterfly Hypolimnas bolina. *Current Biology*, **2006**, 16, 2453-8	6.3	32
46	Introduction. Sexual conflict: a new paradigm?. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2006**, 361, 229-34	5.8	74
45	Wolbachia infection reduces sperm competitive ability in an insect. *Proceedings of the Royal Society B: Biological Sciences*, **2006**, 273, 1455-8	4.4	73
44	Strategic sperm allocation under parasitic sex-ratio distortion. *Biology Letters*, **2006**, 2, 78-80	3.6	35
43	Evolution of male-killer suppression in a natural population. *PLoS Biology*, **2006**, 4, e283	9.7	131
42	MALE GENOTYPE AFFECTS FEMALE FITNESS IN A PATERNALLY INVESTING SPECIES. *Evolution; International Journal of Organic Evolution*, **2006**, 60, 1638-1645	3.8	14
41	Increased male mating rate in Drosophila is associated with Wolbachia infection. *Journal of Evolutionary Biology*, **2006**, 19, 1964-72	2.3	74
40	Postcopulatory inbreeding avoidance by female crickets only revealed by molecular markers. *Molecular Ecology*, **2006**, 15, 3817-24	5.7	71
39	Male genotype affects female fitness in a paternally investing species. *Evolution; International Journal of Organic Evolution*, **2006**, 60, 1638-45	3.8	4

38	Can cytoplasmic incompatibility inducing Wolbachia promote the evolution of mate preferences?. *Journal of Evolutionary Biology*, **2005**, 18, 967-77	2.3	19
37	Evolutionary conflict: sperm wars, phantom inseminations. *Current Biology*, **2005**, 15, R801-3	6.3	10
36	Female receptivity in butterflies and moths. *Journal of Experimental Biology*, **2005**, 208, 3433-40	3	119
35	ECOLOGY AND EVOLUTION: Learning from Lepidoptera. *Science*, **2004**, 303, 174-174	33.3	
34	Male age, mating status and nuptial gift quality in a bushcricket. *Animal Behaviour*, **2004**, 67, 1059-1065	2.8	96
33	Paternal investment directly affects female reproductive effort in an insect. *Proceedings of the Royal Society B: Biological Sciences*, **2003**, 270, 2065-71	4.4	54
32	Superior sperm competitors sire higher-quality young. *Proceedings of the Royal Society B: Biological Sciences*, **2003**, 270, 1933-8	4.4	112
31	Measuring the sperm competition successes of field males of the yellow dung fly. *Ecological Entomology*, **2002**, 27, 763-765	2.1	1
30	Oviposition tests of ant preference in a myrmecophilous butterfly. *Journal of Evolutionary Biology*, **2002**, 15, 861-870	2.3	25
29	Polyandrous females avoid costs of inbreeding. *Nature*, **2002**, 415, 71-3	50.4	428
28	Monandry and polyandry as alternative lifestyles in a butterfly. *Behavioral Ecology*, **2002**, 13, 450-455	2.3	75
27	Sperm competition, male prudence and sperm-limited females. *Trends in Ecology and Evolution*, **2002**, 17, 313-320	10.9	918
26	Genetic compatibility, mate choice and patterns of parentage: invited review. *Molecular Ecology*, **2000**, 9, 1013-27	5.7	732
25	Sexual conflict and speciation. *Nature*, **2000**, 407, 149-50	50.4	15
24	Butterflies tailor their ejaculate in response to sperm competition risk and intensity. *Proceedings of the Royal Society B: Biological Sciences*, **1999**, 266, 1033-1039	4.4	148
23	Strategic sperm allocation in the Small White butterfly Pieris rapae (Lepidoptera: Pieridae). *Functional Ecology*, **1999**, 13, 85-93	5.6	53
22	Non-fertile sperm delay female remating. *Nature*, **1999**, 397, 486-486	50.4	164
21	SUCCESSFUL FATHERS SIRE SUCCESSFUL SONS. *Evolution; International Journal of Organic Evolution*, **1999**, 53, 620-625	3.8	67

20	Determinants of paternity in a butterfly. *Proceedings of the Royal Society B: Biological Sciences*, **1998**, 265, 625-630	4.4	55
19	Sperm protection and mate assessment in the bushcricket Coptaspis sp. 2. *Animal Behaviour*, **1998**, 56, 357-363	2.8	44
18	Decoupling of reproductive rates and parental expenditure in a polyandrous butterfly. *Behavioral Ecology*, **1998**, 9, 20-25	2.3	60
17	Benefits of Multiple Mates in the Cricket Gryllus bimaculatus. *Evolution; International Journal of Organic Evolution*, **1998**, 52, 1726	3.8	123
16	BENEFITS OF MULTIPLE MATES IN THE CRICKET GRYLLUS BIMACULATUS. *Evolution; International Journal of Organic Evolution*, **1998**, 52, 1726-1730	3.8	140
15	Natural selection bias?. *Nature*, **1997**, 386, 234-234	50.4	14
14	Definitive evidence for cuticular pheromones in a cricket. *Animal Behaviour*, **1997**, 54, 979-84	2.8	168
13	Ejaculate size in bushcrickets: the importance of being large. *Journal of Evolutionary Biology*, **1997**, 10, 315-325	2.3	36
12	Ejaculate size in bushcrickets: the importance of being large. *Journal of Evolutionary Biology*, **1997**, 10, 315	2.3	37
11	Mate Quality Affects Reproductive Effort in a Paternally Investing Species. *American Naturalist*, **1996**, 148, 1075-1088	3.7	100
10	Oviposition plant preference and offspring performance in the comma butterfly: correlations and conflicts. *Entomologia Experimentalis Et Applicata*, **1996**, 80, 141-144	2.1	31
9	Female preference for large males in the bushcricketRequena sp. 5 (Orthoptera: Tettigoniidae). *Journal of Insect Behavior*, **1995**, 8, 513-522	1.1	16
8	Variation in nuptial gift quality in bush crickets (Orthoptera: Tettigoniidae). *Behavioral Ecology*, **1994**, 5, 418-425	2.3	56
7	Host plant utilization in the comma butterfly: sources of variation and evolutionary implications. *Oecologia*, **1994**, 99, 132-140	2.9	73
6	SPERMATOPHORE SIZE IN BUSHCRICKETS: COMPARATIVE EVIDENCE FOR NUPTIAL GIFTS AS A SPERM PROTECTION DEVICE. *Evolution; International Journal of Organic Evolution*, **1993**, 47, 1203-1212	3.8	55
5	Mating effort or paternal investment? Incorporation rate and cost of male donations in the wartbiter. *Behavioral Ecology and Sociobiology*, **1993**, 32, 239	2.5	45
4	Protandry and mate assessment in the wartbiter Decticus verrucivorus (Orthoptera : Tettigoniidae). *Behavioral Ecology and Sociobiology*, **1992**, 31, 301	2.5	79
3	SPERM COMPETITION SELECTS FOR NUPTIAL FEEDING IN A BUSHCRICKET. *Evolution; International Journal of Organic Evolution*, **1991**, 45, 1975-1978	3.8	40

2	Sperm Competition Selects for Nuptial Feeding in a Bushcricket. *Evolution; International Journal of Organic Evolution*, **1991**, 45, 1975	3.8	35
1	The wartbiter spermatophore and its effect on female reproductive output (Orthoptera: Tettigoniidae, Decticus verrucivorus). *Behavioral Ecology and Sociobiology*, **1989**, 24, 117-125	2.5	114