

# Gabriele Uhl

## List of Publications by Year in descending order

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89  
papers

2,466  
citations

218677

26  
h-index

254184

43  
g-index

99  
all docs

99  
docs citations

99  
times ranked

1541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Securing paternity in spiders? A review on occurrence and effects of mating plugs and male genital mutilation. <i>Genetica</i> , 2010, 138, 75-104.	1.1	163
2	Spiders are special: fear and disgust evoked by pictures of arthropods. <i>Evolution and Human Behavior</i> , 2009, 30, 66-73.	2.2	118
3	Potential and limitations of X-ray micro-computed tomography in arthropod neuroanatomy: A methodological and comparative survey. <i>Journal of Comparative Neurology</i> , 2015, 523, 1281-1295.	1.6	113
4	Sexual conflict over copulation duration in a cannibalistic spider. <i>Animal Behaviour</i> , 2006, 71, 781-788.	1.9	103
5	Determinants of paternity success in the spider <i>Pholcus phalangioides</i> (Pholcidae: Araneae): the role of male and female mating behaviour. <i>Behavioral Ecology and Sociobiology</i> , 2002, 51, 368-377.	1.4	95
6	Fitness consequences of sexual cannibalism in female <i>Argiope bruennichi</i> . <i>Behavioral Ecology and Sociobiology</i> , 2003, 55, 60-64.	1.4	84
7	Genital damage in the orb-web spider <i>Argiope bruennichi</i> (Araneae: Araneidae) increases paternity success. <i>Behavioral Ecology</i> , 2007, 18, 174-181.	2.2	75
8	The male genital system of the cellar spider <i>Pholcus phalangioides</i> (Fuesslin, 1775) (Pholcidae, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	2.0	65
9	Genital Morphology and Sperm Storage in <i>Pholcus phalangioides</i> (Fuesslin, 1775) (Pholcidae; Tj ETQq1 1 0.784314 rgBT /Over	0.8	59
10	Copulatory mechanism in a sexually cannibalistic spider with genital mutilation (Araneae: Araneidae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	58
11	The Sex Pheromone of the Wasp Spider <i>Argiope bruennichi</i> . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2033-2036.	13.8	58
12	Mating behaviour in the cellar spider, <i>Pholcus phalangioides</i> , indicates sperm mixing. <i>Animal Behaviour</i> , 1998, 56, 1155-1159.	1.9	55
13	Sperm storage mediated by cryptic female choice for nuptial gifts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131735.	2.6	48
14	Two distinctly different sperm storage organs in female <i>Dysdera erythrina</i> (Araneae: Dysderidae). <i>Arthropod Structure and Development</i> , 2000, 29, 163-169.	1.4	44
15	Sequential mate encounters: female but not male body size influences female remating behavior. <i>Behavioral Ecology</i> , 2005, 16, 461-466.	2.2	40
16	EXTREMELY SHORT COPULATIONS DO NOT AFFECT HATCHING SUCCESS IN ARGIOPE BRUENNICHI (ARANEAE,) Tj ETQq0 0 0 rgBT /Over	0.5	40
17	The synganglion of the jumping spider <i>Marpissa muscosa</i> (Arachnida: Salticidae): Insights from histology, immunohistochemistry and microCT analysis. <i>Arthropod Structure and Development</i> , 2017, 46, 156-170.	1.4	38
18	Chromosome-level reference genome of the European wasp spider <i>Argiope bruennichi</i> : a resource for studies on range expansion and evolutionary adaptation. <i>GigaScience</i> , 2021, 10, .	6.4	35

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19	Effects of body size of both sexes and female mating history on male mating behaviour and paternity success in a spider. <i>Animal Behaviour</i> , 2008, 76, 75-86.	1.9	34
20	Exploiting a moment of weakness: male spiders escape sexual cannibalism by copulating with moulting females. <i>Scientific Reports</i> , 2015, 5, 16928.	3.3	34
21	A phylogeographical survey of a highly dispersive spider reveals eastern Asia as a major glacial refugium for Palearctic fauna. <i>Journal of Biogeography</i> , 2016, 43, 1583-1594.	3.0	34
22	Mate choice in males with one-shot genitalia: limited importance of female fecundity. <i>Animal Behaviour</i> , 2010, 80, 699-706.	1.9	32
23	Extreme body size variability in the golden silk spider ( <i>Nephila edulis</i> ) does not extend to genitalia. <i>Journal of Zoology</i> , 2000, 251, 7-14.	1.7	31
24	Sperm Dynamics in Spiders (Araneae): Ultrastructural Analysis of the Sperm Activation Process in the Garden Spider <i>Argiope bruennichi</i> (Scopoli, 1772). <i>PLoS ONE</i> , 2013, 8, e72660.	2.5	31
25	Ultrastructure of the Accessory Glands in Female Genitalia of <i>Pholcus phalangioides</i> (Fuesslin, 1820). <i>Journal of Zoology</i> , 2000, 251, 15-20.	0.8	30
26	Male Competition over Access to Females in a Spider with Last-Male Sperm Precedence. <i>Ethology</i> , 2003, 109, 385-400.	1.1	30
27	Fitness benefits of multiple mating versus female mate choice in the cellar spider ( <i>Pholcus</i> ). <i>Journal of Zoology</i> , 2000, 251, 21-26.	1.4	29
28	Securing Paternity by Mutilating Female Genitalia in Spiders. <i>Current Biology</i> , 2015, 25, 2980-2984.	3.9	29
29	Extreme allomaternal care and unequal task participation by unmated females in a cooperatively breeding spider. <i>Animal Behaviour</i> , 2017, 132, 101-107.	1.9	28
30	Spider Olfaction: Attracting, Detecting, Luring and Avoiding. <i>Journal of Zoology</i> , 2013, 271, 141-157.		27
31	Sperm storage secretion of female cellar spiders ( <i>Pholcus phalangioides</i> ; Araneae): a gel-electrophoretic analysis. <i>Journal of Zoology</i> , 1996, 240, 153-161.	1.7	26
32	Copulation patterns in the golden orb-web spider <i>Nephila madagascariensis</i> . <i>Journal of Ethology</i> , 2005, 23, 51-55.	0.8	26
33	A spider mating plug: origin and constraints of production. <i>Biological Journal of the Linnean Society</i> , 2014, 113, 345-354.	1.6	26
34	Tissue- and Population-Level Microbiome Analysis of the Wasp Spider <i>Argiope bruennichi</i> Identified a Novel Dominant Bacterial Symbiont. <i>Microorganisms</i> , 2020, 8, 8.	3.6	26
35	Sexual cannibalism facilitates genital damage in <i>Argiope lobata</i> (Araneae: Araneidae). <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 355-362.	1.4	25
36	Visual pathways in the brain of the jumping spider <i>Marpissa muscosa</i> . <i>Journal of Comparative Neurology</i> , 2020, 528, 1883-1902.	1.6	25

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37	Female genitalia in <i>Pityohyphantes phrygianus</i> , a spider with a skewed sex ratio. <i>Journal of Zoology</i> , 2001, 255, 367-376.	1.7	22
38	Securing paternity: mating plugs in the dwarf spider <i>Oedothorax retusus</i> (Araneae: Erigoninae). <i>Biological Journal of the Linnean Society</i> , 0, 96, 574-583.	1.6	22
39	The sensory equipment of a spider – A morphological survey of different types of sensillum in both sexes of <i>Argiope bruennichi</i> (Araneae, Araneidae). <i>Arthropod Structure and Development</i> , 2018, 47, 144-161.	1.4	21
40	Sex differences in spiders: from phenotype to genomics. <i>Development Genes and Evolution</i> , 2020, 230, 155-172.	0.9	21
41	Cephalic modifications in dimorphic dwarf spiders of the genus <i>Oedothorax</i> (Erigoninae). <i>Tj ETQq1 1 0.784314 rgBT / Overlock 10</i>	1.2	20
42	Scent of a Woman – The Effect of Female Presence on Sexual Cannibalism in an Orb-weaving Spider (Araneae: Araneidae). <i>Ethology</i> , 2009, 115, 633-640.	1.1	19
43	Individual differences in risk-taking affect foraging across different landscapes of fear. <i>Oikos</i> , 2020, 129, 1891-1902.	2.7	19
44	The function of the secretory cephalic hump in males of the dwarf spider <i>Oedothorax retusus</i> (Linyphiidae: Erigoninae). <i>Animal Behaviour</i> , 2012, 83, 511-517.	1.9	18
45	MALE DIMORPHISM IN <i>OEDOTHORAX GIBBOSUS</i> (ARANEAE, LINYPHIIDAE): A MORPHOMETRIC ANALYSIS. <i>Journal of Arachnology</i> , 2000, 28, 23-28.	0.5	17
46	Cryptic Female Choice Within the Genus <i>Argiope</i> : A Comparative Approach. , 2015, , 55-77.		17
47	Identification and Synthesis of Branched Wax-type Esters, Novel Surface Lipids from the Spider <i>Argyrodes elevatus</i> (Araneae: Theridiidae). <i>Chemistry and Biodiversity</i> , 2016, 13, 1202-1220.	2.1	17
48	Dispersal and life-history traits in a spider with rapid range expansion. <i>Movement Ecology</i> , 2020, 8, 2.	2.8	17
49	Female control of mate plugging in a female-cannibalistic spider ( <i>Micaria sociabilis</i> ). <i>BMC Evolutionary Biology</i> , 2015, 15, 18.	3.2	16
50	Male spiders reduce pre- and postmating sexual investment in response to sperm competition risk. <i>Behavioral Ecology</i> , 2017, 28, 1030-1036.	2.2	16
51	Sperm competition when transfer is dangerous. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20200073.	4.0	16
52	Maned Wolf Density in a Central Brazilian Grassland Reserve. <i>Journal of Wildlife Management</i> , 2009, 73, 68-71.	1.8	15
53	&lt;p&gt;&lt;strong&gt;Taxonomy and nomenclature of &lt;some mainland SE-Asian &lt;em&gt;Coelliccia&lt;/em&gt; species &lt;/strong&gt;&lt;br /&gt;&lt;strong&gt;(Odonata), Tj ETQq1 1 0.784314 rgBT / Overlock 10		
54	Condition-dependent differences in male vibratory pre-copulatory and copulatory courtship in a nuptial gift-giving spider. <i>Behavioral Ecology and Sociobiology</i> , 2020, 74, 1.	1.4	15

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55	Do the size and age of mating plugs alter their efficacy in protecting paternity?. Behavioral Ecology and Sociobiology, 2014, 68, 1321-1328.	1.4	14
56	How to Prepare Spider Sperm for Quantification. Arachnology, 2013, 16, 109-112.	0.4	13
57	The End of the Cold Loneliness: 3D Comparison between <i>Doto antarctica</i> and a New Sympatric Species of <i>Doto</i> (Heterobranchia: Nudibranchia). PLoS ONE, 2016, 11, e0157941.	2.5	13
58	Neurons and a sensory organ in the pedipalps of male spiders reveal that it is not a numb structure. Scientific Reports, 2017, 7, 12209.	3.3	13
59	Variable Female Mating Positions and Offspring Sex Ratio in the Spider <i>Pityohyphantes phrygianus</i> (Araneae: Linyphiidae). Journal of Insect Behavior, 2004, 17, 129-144.	0.7	12
60	Testing mitochondrial marker efficacy for DNA barcoding in spiders: a test case using the dwarf spider genus <i>Oedothorax</i> (Araneae : Linyphiidae : Erigoninae). Invertebrate Systematics, 2014, 28, 501.	1.3	12
61	A non-sperm transferring genital trait under sexual selection: an experimental approach. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2337-2341.	2.6	11
62	Male Head Secretion Triggers Copulation in the Dwarf Spider <i>Diplocephalus permixtus</i> . Ethology, 2008, 114, 760-767.	1.1	11
63	May Salivary Gland Secretory Proteins from Hematophagous Leeches ( <i>Hirudo verbana</i> ) Reach Pharmacologically Relevant Concentrations in the Vertebrate Host?. PLoS ONE, 2013, 8, e73809.	2.5	11
64	The innervation of the male copulatory organ of spiders (Araneae) – a comparative analysis. Frontiers in Zoology, 2019, 16, 39.	2.0	11
65	Species-specific effects of thermal stress on the expression of genetic variation across a diverse group of plant and animal taxa under experimental conditions. Heredity, 2021, 126, 23-37.	2.6	11
66	Bipolarity in sea slugs: a new species of <i>Doridunculus</i> (Mollusca: Nudibranchia: Onchidoridoidea) from Antarctica. Organisms Diversity and Evolution, 2017, 17, 101-109.	1.6	10
67	Genital morphology of <i>Nephila edulis</i> : implications for sperm competition in spiders. Canadian Journal of Zoology, 1998, 76, 39-47.	1.0	9
68	Ultrastructure of chemosensory tarsal tip-pore sensilla of <i>Argiope</i> spp. Audouin, 1826 (Chelicerata: Araneae: Araneidae). Journal of Morphology, 2020, 281, 1634-1659.	1.2	8
69	Pheromone communication among sexes of the garden cross spider <i>Araneus diadematus</i> . Die Naturwissenschaften, 2021, 108, 38.	1.6	8
70	Cephalic secretion release in the male dwarf spider <i>Oedothorax retusus</i> (Linyphiidae: Erigoninae): An ultrastructural analysis. Arthropod Structure and Development, 2013, 42, 477-482.	1.4	7
71	Evolution of external female genital mutilation: why do males harm their mates?. Royal Society Open Science, 2017, 4, 171195.	2.4	7
72	Alternative mating tactics in a cannibalistic widow spider: do males prefer the safer option?. Animal Behaviour, 2020, 160, 53-59.	1.9	7

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73	Chemical Species Recognition in a Tetragnatha Spider (Araneae: Tetragnathidae). <i>Journal of Chemical Ecology</i> , 2021, 47, 63-72.	1.8	7
74	Sperm competition intensity affects sperm precedence patterns in a polyandrous gift-giving spider. <i>Molecular Ecology</i> , 2022, 31, 2435-2452.	3.9	7
75	Deposition, removal and production site of the amorphous mating plug in the spider <i>Philodromus cespitum</i> . <i>Die Naturwissenschaften</i> , 2018, 105, 50.	1.6	6
76	Building behavior does not drive rates of phenotypic evolution in spiders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	6
77	Short-term Nutritional Limitation Affects Mating Behaviour and Reproductive Output in Dwarf Spiders. <i>Ethology</i> , 2015, 121, 874-881.	1.1	5
78	Evolution of nuptial-gift-related male prosomal structures: taxonomic revision and cladistic analysis of the genus <i>Oedothorax</i> (Araneae: Linyphiidae: Erigoninae). <i>Zoological Journal of the Linnean Society</i> , 2022, 195, 417-584.	2.3	4
79	Diversification through gustatory courtship: an X-ray micro-computed tomography study on dwarf spiders. <i>Frontiers in Zoology</i> , 2021, 18, 51.	2.0	4
80	Cost effective microsatellite isolation and genotyping by high throughput sequencing. <i>Journal of Arachnology</i> , 2019, 47, 190.	0.5	4
81	Dragline silk reveals female developmental stage and mediates male vibratory courtship in the nuptial gift-giving spider <i>Pisaura mirabilis</i> . <i>Ethology</i> , 2021, 127, 267-277.	1.1	4
82	An expert-curated global database of online newspaper articles on spiders and spider bites. <i>Scientific Data</i> , 2022, 9, 109.	5.3	4
83	Transition from monogyny to polygyny in <i>Nephila senegalensis</i> (Araneae: Nephilidae) is not accompanied by increased investment in sperm. <i>Biological Journal of the Linnean Society</i> , 2016, 119, 1027-1035.	1.6	3
84	Taxonomic revision of the dwarf spider genus <i>Shaanxinus</i> Tanasevitch, 2006 (Araneae, Linyphiidae). <i>Tijdschrift voor Dierwetenschap</i> , 2011, 11, 211-276.	1.6	3
85	Functional morphology of immature mating in a widow spider. <i>Frontiers in Zoology</i> , 2021, 18, 19.	2.0	3
86	Comparative female genital morphology in <i>Stegodyphus</i> spiders (Araneae: Eresidae). <i>Zoologischer Anzeiger</i> , 2018, 273, 240-249.	0.9	2
87	Identification of sex chromosomes using genomic and cytogenetic methods in a range-expanding spider, <i>Argiope bruennichi</i> (Araneae: Araneidae). <i>Biological Journal of the Linnean Society</i> , 2022, 136, 405-416.	1.6	2
88	Females of a cannibalistic spider control mutilation of their genitalia by males. <i>Behavioral Ecology</i> , 2019, 30, 1624-1631.	2.2	1
89	Differential oxidative costs of locomotory and genital damage in an orb-weaving spider. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	1