Daiqin Li

List of Publications by Year
in descending order

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139 papers	3,448 citations	126708 33 h-index	197535 49 g-index
144 all docs	144 docs citations	144 times ranked	2544 citing authors

#	Article	IF	Citations
1	Design of Superior Spider Silk: From Nanostructure to Mechanical Properties. Biophysical Journal, 2006, 91, 4528-4535.	0.2	305
2	Sex-Specific UV and Fluorescence Signals in Jumping Spiders. Science, 2007, 315, 481-481.	6.0	129
3	How temperature affects development and reproduction in spiders: A review. Journal of Thermal Biology, 1996, 21, 245-274.	1.1	99
4	One-encounter search-image formation by araneophagic spiders. Animal Cognition, 2004, 7, 247-254.	0.9	71
5	Hatching responses of subsocial spitting spiders to predation risk. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 2155-2161.	1.2	70
6	Title is missing!. Biodiversity and Conservation, 2001, 10, 793-813.	1.2	65
7	Prey preferences ofPortia fimbriata, an araneophagic, web-building jumping spider (Araneae: Salticidae) from Queensland. Journal of Insect Behavior, 1996, 9, 613-642.	0.4	60
8	Interpopulation variation in the risk-related decisions of Portia labiata, an araneophagic jumping spider (Araneae, Salticidae), during predatory sequences with spitting spiders. Animal Cognition, 2002, 5, 215-223.	0.9	60
9	Influence of diet on survivorship and growth in Portia fimbriata, an araneophagic jumping spider (Araneae: Salticidae). Canadian Journal of Zoology, 1997, 75, 1652-1658.	0.4	57
10	Innate aversion to ants (Hymenoptera: Formicidae) and ant mimics: experimental findings from mantises (Mantodea). Biological Journal of the Linnean Society, 2006, 88, 23-32.	0.7	56
11	Visitor effects on zoo orangutans in two novel, naturalistic enclosures. Applied Animal Behaviour Science, 2011, 133, 78-86.	0.8	54
12	Behavioural evidence of UV sensitivity in jumping spiders (Araneae: Salticidae). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2006, 192, 871-878.	0.7	53
13	Predator-induced plasticity in web-building behaviour. Animal Behaviour, 2004, 67, 309-318.	0.8	52
14	UVB-Based Mate-Choice Cues Used by Females of the Jumping Spider Phintella vittata. Current Biology, 2008, 18, 699-703.	1.8	52
15	The deep phylogeny of jumping spiders (Araneae,ÂSalticidae). ZooKeys, 2014, 440, 57-87.	0.5	51
16	Importance of reservoirs for the conservation of freshwater molluscs in a tropical urban landscape. Biological Conservation, 2006, 128, 136-146.	1.9	50
17	Stabilimenta attract unwelcome predators to orbâ€“webs. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 1553-1558.	1.2	49
18	Citing practices in ecology: can we believe our own words?. Oikos, 2007, 116, 1599-1601.	1.2	48

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19	Salticid predation as one potential driving force of ant mimicry in jumping spiders. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1356-1364.	1.2	48
20	Predator personality and prey behavioural predictability jointly determine foraging performance. Scientific Reports, 2017, 7, 40734.	1.6	48
21	Preyâ€capture techniques and prey preferences of nine species of antâ€eating jumping spiders (Araneae:) Tj ETQq1 1 0.784314 rgBT	0.6	46
22	Prey preferences ofPortia labiata, P. africana,andP. schultzi,araneophagic jumping spiders (Araneae: Salticidae) from the Philippines, Sri Lanka, Kenya, and Uganda. New Zealand Journal of Zoology, 1997, 24, 333-349.	0.6	45
23	Parental and predatory behaviour of Scytodes sp., an araneophagic spitting spider (Araneae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	45
24	Extreme ultraviolet sexual dimorphism in jumping spiders (Araneae: Salticidae). Biological Journal of the Linnean Society, 2006, 89, 397-406.	0.7	43
25	Convergent evolution of eye ultrastructure and divergent evolution of vision-mediated predatory behaviour in jumping spiders. Journal of Evolutionary Biology, 2007, 20, 1478-1489.	0.8	43
26	Extant primitively segmented spiders have recently diversified from an ancient lineage. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142486.	1.2	43
27	A predator?s preference for egg-carrying prey: a novel cost of parental care. Behavioral Ecology and Sociobiology, 2003, 55, 129-136.	0.6	41
28	Effects of age and feeding history on structure-based UV ornaments of a jumping spider (Araneae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	40
29	Eunuchs are better fighters. Animal Behaviour, 2011, 81, 933-939.	0.8	40
30	A genus-level taxonomic review of primitively segmented spiders (Mesothelae, Liphistiidae). ZooKeys, 2015, 488, 121-151.	0.5	40
31	How Jumping Spiders See the World. , 2012, , 132-163.		39
32	ARGYRODES: PHYLOGENY, SOCIALITY AND INTERSPECIFIC INTERACTIONSâ€"A REPORT ON THE ARGYRODES SYMPOSIUM, BADPLAAS 2001. Journal of Arachnology, 2002, 30, 238-245.	0.3	37
33	Stabilimentum variations in Argiope versicolor (Araneae: Araneidae) from Singapore. Journal of Zoology, 2002, 258, 531-540.	0.8	37
34	Prey attraction as a possible function of discoid stabilimenta of juvenile orb-spinning spiders. Animal Behaviour, 2004, 68, 629-635.	0.8	37
35	Optics of the ultraviolet reflecting scales of a jumping spider. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1583-1589.	1.2	37
36	Integrative taxonomy of the primitively segmented spider genusGanthela(Araneae: Mesothelae:) Tj ETQq0 0 0 rgBT /Overlock 10 2015, 175, 288-306.	1.0	37

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37	Identification of Host-Plant Volatiles and Characterization of Two Novel General Odorant-Binding Proteins from the Legume Pod Borer, Maruca vitrata Fabricius (Lepidoptera: Crambidae). PLoS ONE, 2015, 10, e0141208.	1.1	37
38	Female-biased predation risk and its differential effect on the male and female courtship behaviour of jumping spiders. Animal Behaviour, 2006, 71, 531-537.	0.8	36
39	Preyâ€capture techniques and prey preferences of Habrocestum pulex, an antâ€eating jumping spider (Araneae, Salticidae) from North America. Journal of Zoology, 1996, 240, 551-562.	0.8	34
40	Nephila female gigantism attained through post-maturity molting. Journal of Arachnology, 2012, 40, 345-347.	0.3	33
41	The eunuch phenomenon: adaptive evolution of genital emasculation in sexually dimorphic spiders. Biological Reviews, 2015, 90, 279-296.	4.7	32
42	Remote copulation: male adaptation to female cannibalism. Biology Letters, 2012, 8, 512-515.	1.0	31
43	The evolution of autotomy in leafâ€footed bugs. Evolution; International Journal of Organic Evolution, 2020, 74, 897-910.	1.1	31
44	Spiders that decorate their webs at higher frequency intercept more prey and grow faster. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1753-1757.	1.2	30
45	A novel property of spider silk: chemical defence against ants. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1824-1830.	1.2	30
46	Title is missing!. Journal of Insect Behavior, 1998, 11, 319-342.	0.4	29
47	Mate binding: male adaptation to sexual conflict in the golden orb-web spider (Nephilidae: Nephila) Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	28
48	Detritus decorations of an orb-weaving spider,Cyclosa mulmeinensis(Thorell): for food or camouflage?. Journal of Experimental Biology, 2009, 212, 1832-1839.	0.8	27
49	Preâ€Pleistocene geological events shaping diversification and distribution of primitively segmented spiders on EastÂAsian margins. Journal of Biogeography, 2016, 43, 1004-1019.	1.4	27
50	A specialized araneophagic predator's short-term nutrient utilization depends on the macronutrient content of prey rather than on prey taxonomic affiliation. Physiological Entomology, 2010, 35, 317-327.	0.6	26
51	Influence of background and prey orientation on an ambushing predator's decisions. Behaviour, 2003, 140, 739-764.	0.4	25
52	Mass predicts web asymmetry in Nephila spiders. Die Naturwissenschaften, 2010, 97, 1097-1105.	0.6	25
53	Why do orb-weaving spiders (Cyclosa ginnaga) decorate their webs with silk spirals and plant detritus?. Animal Behaviour, 2010, 79, 179-186.	0.8	25
54	Mating Plugs in Polyandrous Giants: Which Sex Produces Them, When, How and Why?. PLoS ONE, 2012, 7, e40939.	1.1	25

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55	Ultraviolet cues affect the foraging behaviour of jumping spiders. Animal Behaviour, 2005, 70, 771-776.	0.8	24
56	The combined effects of temperature and diet on development and survival of a crab spider, Misumenops tricuspidatus (Fabricius) (Araneae: Thomisidae). Journal of Thermal Biology, 2002, 27, 83-93.	1.1	23
57	Sex pheromone recognition and characterization of three pheromone-binding proteins in the legume pod borer, Maruca vitrata Fabricius (Lepidoptera: Crambidae). Scientific Reports, 2016, 6, 34484.	1.6	22
58	Preyâ€capture techniques and prey preferences ofZenodorus durvillei, Z. metallescensandZ. orbiculatus, tropical antâ€eating jumping spiders (Araneae: Saiticidae) from Australia. New Zealand Journal of Zoology, 2001, 28, 299-341.	0.6	21
59	Influence Of Diet-Related Chemical Cues from Predators on the Hatching of Egg-Carrying Spiders. Journal of Chemical Ecology, 2005, 31, 333-342.	0.9	20
60	Pheromone-based female mate choice and its effect on reproductive investment in a spitting spider. Behavioral Ecology and Sociobiology, 2009, 63, 923-930.	0.6	20
61	Development and survival of Erigonidium graminicolum (Sundevall) (Araneae: Linyphiidae:) Tj ETQq1 1 0.784314 rgBT /Overloc	0.5	19
62	Sexual dichromatism and male colour morph in ultraviolet-B reflectance in two populations of the jumping spider Phintella vittata (Araneae: Salticidae) from tropical China. Biological Journal of the Linnean Society, 2008, 94, 7-20.	0.7	19
63	UV-Green Iridescence Predicts Male Quality during Jumping Spider Contests. PLoS ONE, 2013, 8, e59774.	1.1	19
64	Out of the Frying Pan and into the Fire: a Novel Trade-Off for Batesian Mimics.. Ethology, 2006, 112, 270-277.	0.5	18
65	Experimental evidence for female-driven monandry in the wolf spider, Pardosa astrigera. Behavioral Ecology and Sociobiology, 2011, 65, 2117-2123.	0.6	18
66	Formation of rivers and mountains drives diversification of primitively segmented spiders in continental East Asia. Journal of Biogeography, 2018, 45, 2080-2091.	1.4	18
67	Ballooning behavior in the golden orbweb spider Nephila pilipes (Araneae: Nephilidae). Frontiers in Ecology and Evolution, 2015, 3, .	1.1	17
68	It takes two peaks to tango: the importance of UVB and UVA in sexual signalling in jumping spiders. Animal Behaviour, 2016, 113, 137-146.	0.8	17
69	Phylogenomic Analysis of Ultraconserved Elements Resolves the Evolutionary and Biogeographic History of Segmented Trapdoor Spiders. Systematic Biology, 2021, 70, 1110-1122.	2.7	17
70	Regulation and Non-Toxicity of the Spit from the Pale Spitting Spider Scytodes Pallida (Araneae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	0.5	16
71	Targeted sampling in Ryukyus facilitates species delimitation of the primitively segmented spider genus Ryuthela (Araneae: Mesothelae: Liphistiidae). Zoological Journal of the Linnean Society, 2017, 181, 867-909.	1.0	16
72	Fully automated leg tracking of Drosophila neurodegeneration models reveals distinct conserved movement signatures. PLoS Biology, 2019, 17, e3000346.	2.6	16

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73	Aggressive spiders make the wrong decision in a difficult task. Behavioral Ecology, 2018, 29, 848-854.	1.0	15
74	Global Diversification of Anelosimus Spiders Driven by Long-Distance Overwater Dispersal and Neogene Climate Oscillations. Systematic Biology, 2020, 69, 1122-1136.	2.7	15
75	Phylogeny Predicts Future Habitat Shifts Due to Climate Change. PLoS ONE, 2014, 9, e98907.	1.1	14
76	Age-dependent Stabilimentum-Associated Predator Avoidance Behaviours in Orb-Weaving Spiders. Behaviour, 2003, 140, 1135-1152.	0.4	13
77	The effects of maleâ€“male contests and female eavesdropping on female mate choice and male mating success in the jumping spider, Thiania bhamoensis (Araneae: Salticidae). Behavioral Ecology and Sociobiology, 2008, 62, 639-646.	0.6	13
78	Male remating and female fitness in the wolf spider Pardosa astrigera: the role of male mating history. Behavioral Ecology and Sociobiology, 2011, 65, 325-332.	0.6	13
79	Sexually selected UV signals in the tropical ornate jumping spider, C osmophasis umbratica may incur costs from predation. Ecology and Evolution, 2015, 5, 914-920.	0.8	13
80	The complete mitochondrial genome of the intertidal spider (Desis jiaxiangi) provides novel insights into the adaptive evolution of the mitogenome and the evolution of spiders. Bmc Ecology and Evolution, 2021, 21, 72.	0.7	13
81	State-dependent prey type preferences of a kleptoparasitic spider Argyrodes flavescens (Araneae:) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	12
82	Spectral transmission of the principal-eye corneas of jumping spiders: implications for ultraviolet vision. Journal of Experimental Biology, 2012, 215, 2853-2859.	0.8	12
83	A linear model for description of the relationship between the lower threshold temperature and thermal constant in spiders (Araneae: Arachnida). Journal of Thermal Biology, 1998, 23, 23-30.	1.1	11
84	Prey preferences ofPhaeacius malayensis, a spartaeine jumping spider (Araneae: Salticidae) from Singapore. Canadian Journal of Zoology, 2000, 78, 2218-2226.	0.4	11
85	Conditional use of honest signaling by a Batesian mimic. Behavioral Ecology, 2006, 17, 575-580.	1.0	11
86	Emasculation: gloves-off strategy enhances eunuch spider endurance. Biology Letters, 2012, 8, 733-735.	1.0	11
87	Sexual selection on jumping spider color pattern: investigation with a new quantitative approach. Behavioral Ecology, 2021, 32, 695-706.	1.0	11
88	Prey interception drives web invasion and spider size determines successful web takeover in nocturnal orb-web spiders. Biology Open, 2015, 4, 1326-1329.	0.6	10
89	Detritus decorations as the extended phenotype deflect avian predator attack in an orbâ€web spider. Functional Ecology, 2020, 34, 2110-2119.	1.7	10
90	Molecular species delimitation in the primitively segmented spider genus Heptathela endemic to Japanese islands. Molecular Phylogenetics and Evolution, 2020, 151, 106900.	1.2	10

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91	Cues by which suspended-leaf nests ofEuryattus(Araneae: Salticidae) females are recognized by conspecific males and by an aggressive-mimic salticid,Portia fimbriata. Journal of Zoology, 1997, 243, 29-46.	0.8	9
92	Equivalent effect of UV coloration and vibratory signal on mating success in a jumping spider. Behavioral Ecology, 2019, 30, 313-321.	1.0	9
93	Conspicuous cruciform silk decorations deflect avian predator attacks. Integrative Zoology, 2022, 17, 689-703.	1.3	9
94	Singaporeâ€™s Anopheles sinensis Form A is susceptible to Plasmodium vivax isolates from the western Thailandâ€“Myanmar border. Malaria Journal, 2017, 16, 465.	0.8	8
95	Masquerading predators deceive prey by aggressively mimicking bird droppings in a crab spider. Environmental Epigenetics, 2022, 68, 325-334.	0.9	8
96	Aggressive males are more attractive to females and more likely to win contests in jumping spiders. Animal Behaviour, 2021, 179, 51-63.	0.8	8
97	Predator perception of detritus and eggsac decorations spun by orb-web spiders Cyclosa octotuberculata: Do they function to camouflage the spiders?. Environmental Epigenetics, 2010, 56, 379-387.	0.9	7
98	Intricate predatory decisions by a mosquito-specialist spider from Malaysia. Royal Society Open Science, 2014, 1, 140131.	1.1	7
99	Leaf masquerade in an orb web spider. Journal of Arachnology, 2016, 44, 397-400.	0.3	7
100	Main predators of insect pests: screening and evaluation through comprehensive indices. Pest Management Science, 2017, 73, 2302-2309.	1.7	7
101	Mating changes a male contestant from a loser to a winner in maleâ€“male competition in a wolf spider. Biological Journal of the Linnean Society, 2019, 128, 83-92.	0.7	7
102	Discoid decorations function to shield juvenile Argiope spiders from avian predator attacks. Behavioral Ecology, 2021, 32, 1230-1239.	1.0	7
103	Ultraviolet is a more important cue than reflection in other wavelengths for a jumping spider to locate its spider prey. Animal Behaviour, 2011, 82, 1457-1463.	0.8	6
104	The spectral transmission of non-salticid spider corneas. Journal of Experimental Biology, 2014, 217, 2698-703.	0.8	6
105	Multiple male morphs in the leafâ€footed bug Mictis longicornis (Hemiptera: Coreidae). Entomological Science, 2017, 20, 396-401.	0.3	6
106	Inbreeding produces trade-offs between maternal fecundity and offspring survival in a monandrous spider. Animal Behaviour, 2017, 132, 253-259.	0.8	6
107	High-lipid prey reduce juvenile survivorship and delay egg-laying in a small linyphiid spider Hylyphantes graminicola. Journal of Experimental Biology, 2020, 223, .	0.8	6
108	Prey preferences of Phaeacius malayensis, a spartaeine jumping spider (Araneae: Salticidae) from Singapore. Canadian Journal of Zoology, 2000, 78, 2218-2226.	0.4	6

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109	A taxonomic monograph of the liphistiid spider genus Heptathela, endemic to Japanese islands. ZooKeys, 2019, 888, 1-50.	0.5	6
110	Eunuch supremacy: evolution of post-mating spider emasculation. Behavioral Ecology and Sociobiology, 2015, 69, 117-126.	0.6	5
111	Aggressive jumping spiders make quicker decisions for preferred prey but not at the cost of accuracy. Behavioral Ecology, 0, , arw174.	1.0	5
112	Influence of maternal diet on offspring survivorship, growth, and reproduction in a sheetweb spider. Biology Open, 2020, 9, .	0.6	5
113	Female spider aggression is associated with genetic underpinnings of the nervous system and immune response to pathogens. Molecular Ecology, 2020, 29, 2626-2638.	2.0	5
114	Trapdoor spiders of the genus Cyclocosmia Ausserer, 1871 from China and Vietnam (Araneae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	0.5	5
115	From crypsis to masquerade: Ontogeny changes the colour defences of a crab spider hiding as bird droppings. Functional Ecology, 2022, 36, 837-849.	1.7	5
116	Male spiders avoid sexual cannibalism with a catapult mechanism. Current Biology, 2022, 32, R354-R355.	1.8	5
117	Male mating strategies to counter sexual conflict in spiders. Communications Biology, 2022, 5, .	2.0	5
118	Condition dependence of female-specific UV-induced fluorescence in a jumping spider. Animal Behaviour, 2017, 127, 233-241.	0.8	4
119	Consistency in boldness expression varies with ecological context in a jumping spider. Ethology, 2019, 125, 724-732.	0.5	4
120	The effects of abiotic and biotic factors on web-decorating behaviour of an orb-weaving spider,Cyclosa octotuberculataKarsch (Araneae: Araneidae). Journal of Natural History, 2010, 45, 35-53.	0.2	3
121	Silk-mediated male courtship effort in the monandrous wolf spider Pardosa astrigera (Araneae:) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	3
122	Nectary feeding and guarding behavior by a tropical jumping spider. Frontiers in Ecology and the Environment, 2017, 15, 469-470.	1.9	3
123	Experimental evidence for the genetic benefits of female mate choice in the monandrous wolf spider Pardosa astrigera. Animal Behaviour, 2018, 144, 87-93.	0.8	3
124	Spider Silks: An Overview of Their Component Proteins for Hydrophobicity and Biomedical Applications. Protein and Peptide Letters, 2021, 28, 255-269.	0.4	3
125	Parental and predatory behaviour of Scytodes sp., an araneophagic spitting spider (Araneae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3	
126	Four new species of the primitively segmented spider genus Qiongthela from Hainan island, China (Mesothelae, Liphistiidae). ZooKeys, 2017, 714, 1-11.	0.5	3

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127	Two new species of the primitively segmented spider genus Liphistius SchiÃ¶dte, 1849 (Mesothelae,) Tj ETQq1 1 0.784314 rgBT /Overlo	0.5	3
128	Male opportunistic mating increases with intensity of female sexual cannibalism in three web-building spiders. Environmental Epigenetics, 2022, 68, 113-119.	0.9	3
129	Multilocus species delimitation and phylogeny of the genus Calommata (Araneae, Atypidae) in southern China. Zoologica Scripta, 2022, 51, 199-216.	0.7	3
130	Two new species of the primitively segmented spider genus Songthela from Hunan Province, China (Mesothelae, Liphistiidae). ZooKeys, 2020, 937, 1-19.	0.5	2
131	Four new species of the trapdoor spider genus Conothele Thorell, 1878 from Mainland China and Laos (Araneae, Ctenizidae). ZooKeys, 2017, 643, 63-74.	0.5	2
132	Delimitation of the segmented trapdoor spider genus Luthela gen. nov., with comments on the genus Sinothela from northern China (Araneae, Mesothelae, Liphistiidae). Zootaxa, 2022, 5091, 131-154.	0.2	2
133	An integrative approach reveals high species diversity in the primitively segmented spider genus. Invertebrate Systematics, 2022, 36, 160-198.	0.5	2
134	Phylogenetic placement and species delimitation of the crab spider genus Phrynarachne (Araneae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	2
135	ï»¿Three new species of the spider genus Liphistius (Araneae, Mesothelae, Liphistiidae) from Thailand. ZooKeys, 0, 1104, 115-128.	0.5	2
136	A new species of Liphistius from Myanmar and description of the actual male of L. birmanicus Thorell, 1897 (Araneae, Mesothelae, Liphistiidae). ZooKeys, 2021, 1031, 41-58.	0.5	1
137	Three new species of the primitively segmented spider genus Songthela (Araneae, Mesothelae) from Guizhou Province, China. ZooKeys, 2021, 1037, 57-71.	0.5	1
138	Four new species of the trapdoor spider genus Conothele Thorell, 1878 (Araneae, Halonoproctidae) from China. ZooKeys, 2019, 833, 133-150.	0.5	1
139	Four new species of the primitively segmented spider genus Songthela (Mesothelae, Liphistiidae) from Chongqing Municipality, China. Zootaxa, 2022, 5091, 546-558.	0.2	0