SÃ¸ren Toft

List of Publications by Year
in descending order

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131	5,019	87888	106344
papers	citations	38 h-index	65 g-index

132	132	132	3394
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nutrient-Specific Foraging in Invertebrate Predators. Science, 2005, 307, 111-113.	12.6	396
2	Sex-specific effects of protein and carbohydrate intake on reproduction but not lifespan inDrosophila melanogaster. Aging Cell, 2015, 14, 605-615.	6.7	187
3	Growth, development, and survival of a generalist predator fed single- and mixed-species diets of different quality. Oecologia, 1999, 119, 191-197.	2.0	177
4	Optimal foraging for specific nutrients in predatory beetles. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2212-2218.	2.6	176
5	Nutrient composition of the prey's diet affects growth and survivorship of a generalist predator. Oecologia, 2001, 127, 207-213.	2.0	162
6	Nitrification and denitrification in the rhizosphere of the aquatic macrophyte Lobelia dortmanna L.. Limnology and Oceanography, 1997, 42, 529-537.	3.1	148
7	Protein and carbohydrate composition of larval food affects tolerance to thermal stress and desiccation in adult Drosophila melanogaster. Journal of Insect Physiology, 2010, 56, 336-340.	2.0	138
8	Denitrification, Dissimilatory Reduction of Nitrate to Ammonium, and Nitrification in a Bioturbated Estuarine Sediment as Measured with ¹⁵ N and Microsensor Techniques. Applied and Environmental Microbiology, 1992, 58, 303-313.	3.1	137
9	Identification of a Sex Pheromone from a Spider. Science, 1993, 260, 1635-1637.	12.6	130
10	Trophic specialisation in a predatory group: the case of preyâ€specialised spiders (Araneae). Biological Reviews, 2015, 90, 744-761.	10.4	117
11	The value of Collembola from agricultural soils as food for a generalist predator. Journal of Applied Ecology, 2000, 37, 672-683.	4.0	111
12	Balancing of protein and lipid intake by a mammalian carnivore, the mink, Mustela vison. Animal Behaviour, 2009, 77, 349-355.	1.9	101
13	Quantifying food limitation of arthropod predators in the field. Oecologia, 1998, 115, 54-58.	2.0	97
14	Role of granivory and insectivory in the life cycle of the carabid beetle Amara similata. Ecological Entomology, 1997, 22, 7-15.	2.2	96
15	Factors influencing cannibalism in the wolf spider Pardosa agrestis (Araneae, Lycosidae). Behavioral Ecology and Sociobiology, 1999, 45, 349-354.	1.4	84
16	Death feigning in the face of sexual cannibalism. Biology Letters, 2006, 2, 23-25.	2.3	81
17	Nutritional value of cannibalism and the role of starvation and nutrient imbalance for cannibalistic tendencies in a generalist predator. Journal of Animal Ecology, 2006, 75, 288-297.	2.8	80
18	Nutrient regulation in a predator, the wolf spider Pardosa prativaga. Animal Behaviour, 2011, 81, 993-999.	1.9	75

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19	The quality of aphids as food for generalist predators: implications for natural control of aphids. European Journal of Entomology, 2005, 102, 371-383.	1.2	75
20	Protein and carbohydrate intake influence sperm number and fertility in male cockroaches, but not sperm viability. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142144.	2.6	72
21	Nuptial gifts of male spiders: sensory exploitation of the female's maternal care instinct or foraging motivation?. Animal Behaviour, 2007, 73, 267-273.	1.9	67
22	Behavioral and ecophysiological responses of a generalist predator to single- and mixed-species diets of different quality. Oecologia, 1999, 119, 198-207.	2.0	65
23	Prey preference and egg production of the carabid beetle Agonum dorsale. Entomologia Experimentalis Et Applicata, 1994, 73, 151-156.	1.4	63
24	Effects of prey quality and availability on the life history of a trap-building predator. Oikos, 2003, 101, 631-638.	2.7	62
25	Climate change and sexual size dimorphism in an Arctic spider. Biology Letters, 2009, 5, 542-544.	2.3	62
26	Temperature and prey capture: opposite relationships in two predator taxa. Ecological Entomology, 2008, 33, 305-312.	2.2	59
27	The value of two Collembola species as food for a linyphiid spider. Entomologia Experimentalis Et Applicata, 1999, 92, 29-36.	1.4	57
28	Metabolic consequences of feeding and fasting on nutritionally different diets in the wolf spider Pardosa prativaga. Journal of Insect Physiology, 2010, 56, 1095-1100.	2.0	57
29	Worthless donations: male deception and female counter play in a nuptial gift-giving spider. BMC Evolutionary Biology, 2011, 11, 329.	3.2	56
30	Microcosm studies on control of aphids by generalist arthropod predators: Effects of alternative prey. BioControl, 2004, 49, 483-504.	2.0	50
31	Compensatory growth following early nutritional stress in the Wolf Spider Pardosa prativaga. Functional Ecology, 2003, 17, 737-746.	3.6	48
32	SPATIAL STRATIFICATION IN LITTER DEPTH BY FOREST-FLOOR SPIDERS. Journal of Arachnology, 2003, 31, 28-39.	0.5	48
33	The influence of three cereal aphid species and mixed diet on larval survival, development and adult weight of Coccinella septempunctata. Entomologia Experimentalis Et Applicata, 1998, 89, 319-322.	1.4	47
34	Food preferences and the value of animal food for the carabid beetle Amara similata (Gyll.) (Col.,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	1.8	44
35	Dietary and prey-capture adaptations by which Zodarion germanicum, an ant-eating spider (Araneae:) Tj ETQq1 1 0.784314 rgBT /Ove	1.6	43
36	Thanatosis as an adaptive male mating strategy in the nuptial giftâ€“giving spider Pisaura mirabilis. Behavioral Ecology, 2008, 19, 546-551.	2.2	43

#	ARTICLE	IF	CITATIONS
37	Optimal numbers of matings: the conditional balance between benefits and costs of mating for females of a nuptial giftâ€giving spider. Journal of Evolutionary Biology, 2015, 28, 457-467.	1.7	43
38	Effects of maternal diet quality on offspring performance in the rove beetle Tachyporus hypnorum. Ecological Entomology, 2006, 31, 322-330.	2.2	42
39	Why Do Males of the Spider Pisaura mirabilis Wrap Their Nuptial Gifts in Silk: Female Preference or Male Control?. Ethology, 2008, 114, 775-781.	1.1	41
40	Nutrient balance affects foraging behaviour of a trap-building predator. Biology Letters, 2009, 5, 735-738.	2.3	39
41	Dietary choice for a balanced nutrient intake increases the mean and reduces the variance in the reproductive performance of male and female cockroaches. Ecology and Evolution, 2016, 6, 4711-4730.	1.9	39
42	Acquired food aversion of a wolf spider to three cereal aphids: Intra- and interspecific effects. Entomophaga, 1997, 42, 63-69.	0.2	38
43	Development, metabolism and nutrient composition of black soldier fly larvae (Hermetia illucens;) Tj ETQq1 1 0.784314 rgBT /Overloc 4, 123-133.	3.9	38
44	Intraspecific variation in prey quality: a comparison of nutrient presence in prey and nutrient extraction by predators. Oikos, 2010, 119, 350-358.	2.7	37
45	The advantage of starving: success in cannibalistic encounters among wolf spiders. Behavioral Ecology, 2010, 21, 1112-1117.	2.2	37
46	Dome-shaped functional response induced by nutrient imbalance of the prey. Biology Letters, 2011, 7, 517-520.	2.3	35
47	Condition dependence of male nuptial gift construction in the spider Pisaura mirabilis (Pisauridae). Journal of Ethology, 2011, 29, 473-479.	0.8	35
48	Branched long chain alkyl methyl ethers: a new class of lipids from spider silk. Tetrahedron, 1993, 49, 6805-6820.	1.9	34
49	Nutritional enrichment increases courtship intensity and improves mating success in male spiders. Behavioral Ecology, 2009, 20, 700-708.	2.2	34
50	Importance of insect prey quality for grey partridge chicks Perdix perdix: a self-selection experiment. Journal of Applied Ecology, 2000, 37, 557-563.	4.0	33
51	Consumption by carabid beetles of three cereal aphid species relative to other prey types. Entomophaga, 1997, 42, 21-32.	0.2	32
52	Can antâ€eating Zodarion spiders (Araneae: Zodariidae) develop on a diet optimal for euryphagous arthropod predators?. Physiological Entomology, 2009, 34, 195-201.	1.5	32
53	No negative sublethal effects of two insecticides on prey capture and development of a spider. Pest Management Science, 1998, 52, 223-228.	0.4	31
54	Prey nutrient composition has different effects on Pardosa wolf spiders with dissimilar life histories. Oecologia, 2011, 165, 577-583.	2.0	31

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55	Macronutrient balance mediates the growth of sexually selected weapons but not genitalia in male broadâ€horned beetles. Functional Ecology, 2016, 30, 769-779.	3.6	30
56	The influence of mixed aphid diets on larval performance of Coccinella septempunctata (Col.,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	1.8	29
57	Development, growth and metabolic rate of Hermetia illucens larvae. Journal of Applied Entomology, 2019, 143, 875-881.	1.8	28
58	Female spiders ignore condition-dependent information from nuptial gift wrapping when choosing mates. Animal Behaviour, 2012, 84, 907-912.	1.9	27
59	The shield effect: nuptial gifts protect males against pre-copulatory sexual cannibalism. Biology Letters, 2016, 12, 20151082.	2.3	27
60	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.	1.5	26
61	Title is missing!. Journal of Insect Behavior, 1999, 12, 433-450.	0.7	25
62	The aggregative numerical response of polyphagous predators to aphids in cereal fields: attraction to what?. Annals of Applied Biology, 1999, 134, 265-270.	2.5	24
63	Diet-Dependent Survival, Development and Fecundity of the Spider Atypena formosana (Oi) (Araneae:) Tj ETQq1 1 0.784314 rgBT /Ov 233-244.	1.3	23
64	Cold acclimation reduces predation rate and reproduction but increases cold- and starvation tolerance in the predatory mite Gaeolaelaps aculeifer Canestrini. Biological Control, 2017, 114, 150-157.	3.0	23
65	Little evidence for intralocus sexual conflict over the optimal intake of nutrients for life span and reproduction in the black field cricketTeleogryllus commodus. Evolution; International Journal of Organic Evolution, 2017, 71, 2159-2177.	2.3	22
66	Artificial selection for aphid tolerance in the polyphagous predator Lepthyphantes tenuis. Journal of Applied Ecology, 2000, 37, 547-556.	4.0	21
67	Cold-acclimation increases the predatory efficiency of the aphidophagous coccinellid Adalia bipunctata. Biological Control, 2013, 65, 87-94.	3.0	21
68	Insecticide resistance and nutrition interactively shape life-history parameters in German cockroaches. Scientific Reports, 2016, 6, 28731.	3.3	21
69	Maternal nutrition affects offspring performance via maternal care in a subsocial spider. Behavioral Ecology and Sociobiology, 2011, 65, 1191-1202.	1.4	20
70	Nutrient-specific compensatory feeding in a mammalian carnivore, the mink, Neovison vison. British Journal of Nutrition, 2014, 112, 1226-1233.	2.3	19
71	Spider web and silk performance landscapes across nutrient space. Scientific Reports, 2016, 6, 26383.	3.3	19
72	Microhabitat identity of two species of sheet-web spiders: field experimental demonstration. Oecologia, 1987, 72, 216-220.	2.0	18

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73	Nutritional Aspects of Spider Feeding. , 2013, , 373-384.		18
74	Geometric Stoichiometry: Unifying Concepts of Animal Nutrition to Understand How Protein-Rich Diets Can Be â€œToo Much of a Good Thingâ€• Frontiers in Ecology and Evolution, 2020, 8, .	2.2	17
75	Effects of chronic exposure to a toxic prey in a generalist predator. Physiological Entomology, 2004, 29, 129-138.	1.5	16
76	Balancing of specific nutrients and subsequent growth and body composition in the slug Arion lusitanicus. Physiology and Behavior, 2013, 122, 84-92.	2.1	16
77	Are commercial stocks of biological control agents genetically depauperate? â€“ A case study on the pirate bug Orius majusculus Reuter. Biological Control, 2018, 127, 31-38.	3.0	16
78	Limited PrÃ©dation Capacity by Generalist Arthropod Predators on the Cereal Aphid,Rhopalosiphum padi. Biological Agriculture and Horticulture, 1997, 15, 142-150.	1.0	15
79	Negative effects of low developmental temperatures on aphid predation by Orius majusculus (Heteroptera: Anthocoridae). Biological Control, 2017, 114, 59-64.	3.0	15
80	Balancing of lipid, protein, and carbohydrate intake in a predatory beetle following hibernation, and consequences for lipid restoration. Journal of Insect Physiology, 2016, 88, 1-9.	2.0	14
81	Effects of hunger level and nutrient balance on survival and acetylcholinesterase activity of dimethoate exposed wolf spiders. Entomologia Experimentalis Et Applicata, 2002, 103, 197-204.	1.4	13
82	Self-Injection of a Dipteran Parasitoid into a Spider. Die Naturwissenschaften, 1999, 86, 530-532.	1.6	12
83	Quality of two aphid species (Rhopalosiphum padi and Sitobion avenae) as food for the generalist predator Tachyporus hypnorum (Col., Staphylinidae). Journal of Applied Entomology, 2004, 128, 658-663.	1.8	12
84	Mating duration and sperm precedence in the spider Linyphia triangularis. Journal of Ethology, 2011, 29, 143-152.	0.8	12
85	Can differential nutrient extraction explain property variations in a predatory trap?. Royal Society Open Science, 2015, 2, 140479.	2.4	11
86	Impact of invasive Rosa rugosa on the arthropod fauna of Danish yellow dunes. Biological Invasions, 2015, 17, 3289-3302.	2.4	11
87	Change in sex pheromone expression by nutritional shift in male cockroaches. Behavioral Ecology, 2017, 28, 1393-1401.	2.2	11
88	Food and specific macronutrient limitation in an assemblage of predatory beetles. Oikos, 2019, 128, 1467-1477.	2.7	11
89	Metabolic adaptations for isopod specialization in three species of <scp>D</scp>ysdera spiders from the <scp>C</scp>anary <scp>I</scp>slands. Physiological Entomology, 2017, 42, 191-198.	1.5	10
90	CYPERMETHRIN EFFECTS ON DETOXIFICATION ENZYMES IN ACTIVE AND HIBERNATING WOLF SPIDERS (PARDOSA AMENTATA). , 1999, 9, 463-468.		9

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91	EFFECTS OF PREY QUALITY ON THE LIFE HISTORY OF A HARVESTMAN. Journal of Arachnology, 2005, 33, 582-590.	0.5	9
92	A TWENTY-YEAR COMPARISON OF EPIGEIC SPIDER COMMUNITIES (ARANEAE) OF DANISH COASTAL HEATH HABITATS. Journal of Arachnology, 2000, 28, 90-96.	0.5	8
93	Transportation Infrastructures and Arthropod Dispersal: Are Harvestmen (Opiliones) Hitchhiking to Northern Europe?. Journal of Ethnobiology, 2018, 38, 55-70.	2.1	8
94	The value of three cereal aphid species as food for a generalist predator. Physiological Entomology, 2001, 26, 58-68.	1.5	7
95	Parasitoid suppression and life-history modifications in a wolf spider following infection by larvae of an acrocerid fly. Journal of Arachnology, 2012, 40, 13-17.	0.5	7
96	The egg sac of Benoitia lepida (Araneae: Agelenidae): structure, placement and the function of its layers. Journal of Arachnology, 2018, 46, 35-39.	0.5	7
97	Maintenance of deceptive gifts in a natural spider population: ecological and demographic factors. Behavioral Ecology, 2019, 30, 993-1000.	2.2	7
98	Food quality of Ephestia eggs, the aphid Rhopalosiphum padi and mixed diet for Orius majusculus. Journal of Applied Entomology, 2020, 144, 251-262.	1.8	7
99	Sperm competition intensity affects sperm precedence patterns in a polyandrous giftâ€giving spider. Molecular Ecology, 2022, 31, 2435-2452.	3.9	7
100	Activities of Glutathione S-Transferase and Glutathione Peroxidases Related to Diet Quality in an Aphid Predator, the Seven-spot Ladybird, Coccinella septempunctata L. (Coleoptera: Coccinellidae). ATLA Alternatives To Laboratory Animals, 2000, 28, 445-449.	1.0	6
101	Diet-dependent fecundity of the spiders Atypena formosana and Pardosa pseudoannulata , predators in irrigated rice. Agricultural and Forest Entomology, 2001, 3, 285-295.	1.3	6
102	Increased lipid accumulation but not reduced metabolism explains improved starvation tolerance in cold-acclimated arthropod predators. Die Naturwissenschaften, 2018, 105, 65.	1.6	6
103	Sperm competition tactics shape paternity: adaptive role of extremely long copulations in a wolf spider. Animal Behaviour, 2019, 156, 121-128.	1.9	6
104	The threeâ€dimensional macronutrient niche of an invasive generalist predator. Ecological Entomology, 2020, 45, 644-651.	2.2	6
105	Mutual benefit from exploitation of female foraging motivation may account for the early evolution of gifts in spiders. Animal Behaviour, 2017, 129, 9-14.	1.9	6
106	Activities of Glutathione S-Transferase and Glutathione Peroxidases Related to Diet Quality in an		

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109	Diet-dependent heat emission reveals costs of post-diapause recovery from different nutritional sources in a carnivorous beetle. Die Naturwissenschaften, 2017, 104, 58.	1.6	5
110	Spontaneous movement behaviour in spiders (Araneae) with different hunting strategies. Biological Journal of the Linnean Society, 2018, 125, 184-193.	1.6	5
111	Ups and Downs among Danish Urban Harvestmen. Arachnology, 2018, 17, 394-398.	0.4	5
112	Genotype-by-sex-by-diet interactions for nutritional preference, dietary consumption, and lipid deposition in a field cricket. Heredity, 2018, 121, 361-373.	2.6	5
113	Interactive effects of temperature and time on cold tolerance and spring predation in overwintering soil predatory mites (Gaeolaelaps aculeifer Canestrini). Biological Control, 2019, 132, 169-176.	3.0	5
114	Preyâ€specific impact of cold preâ€exposure on kill rate and reproduction. Journal of Animal Ecology, 2019, 88, 258-268.	2.8	5
115	Prey acceptance and metabolic specialisations in some Canarian Dysdera spiders. Journal of Insect Physiology, 2021, 131, 104227.	2.0	5
116	Intralocus sexual conflict over optimal nutrient intake and the evolution of sex differences in life span and reproduction. Functional Ecology, 2022, 36, 865-881.	3.6	5
117	Effects of foraging distance on macronutrient balancing and performance in the German cockroach, Blattella germanica. Journal of Experimental Biology, 2016, 220, 304-311.	1.7	4
118	Prey-specific experience affects prey preference and time to kill in the soil predatory mite Gaeolaelaps aculeifer Canestrini. Biological Control, 2019, 139, 104076.	3.0	4
119	Detoxification Strategies of Two Types of Spiders Revealed by Cypermethrin Application. ATLA Alternatives To Laboratory Animals, 1997, 25, 255-261.	1.0	4
120	Prey Preference and Consumption by Some Non-Specialist Harvestman Species (Arachnida: Opiliones). Arachnology, 2008, 14, 198-205.	0.4	3
121	Weak responses to dietary enrichment in a specialized aphid predator. Physiological Entomology, 2011, 36, 360-367.	1.5	3
122	Fly disturbance suppresses aphid population growth. Ecological Entomology, 2020, 45, 901-903.	2.2	3
123	Contrasting patterns of food and macronutrient limitation in the field among coâ€existing omnivorous carnivores. Ecological Entomology, 2021, 46, 898-909.	2.2	3
124	Food limitation and starvation independently affect predator macronutrient selection. Biology Letters, 2021, 17, 20210095.	2.3	3
125	A method of obtaining dietary data for slow worms (Anguis fragilis) by means of nonâ€harmful cooling and results from a Danish population. Journal of Natural History, 2009, 43, 1011-1025.	0.5	2
126	Habitat specialist spiders in coastal dunes benefit from eradication of the invasive shrub Rosa rugosa. Journal of Insect Conservation, 2020, 24, 993-1003.	1.4	2

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127	Responses of Glutathione S-transferase and Glutathione Peroxidases to Feeding Rate of a Wolf Spider Pardosa prativaga. ATLA Alternatives To Laboratory Animals, 1998, 26, 399-403.	1.0	2
128	Macronutrient niches and field limitation in a woodland assemblage of harvestmen. Journal of Animal Ecology, 2022, 91, 593-603.	2.8	2
129	Exponential distribution of velocities and power distribution of quiescent periods in the spontaneous movement patterns of three hunting spiders. Biological Journal of the Linnean Society, 2021, 133, 806-816.	1.6	1
130	Survival and predation rate of wild-caught and commercially produced Orius majusculus (Reuter) (Hemiptera: Anthocoridae). Bulletin of Entomological Research, 2021, , 1-7.	1.0	0
131	Responses of GlutathioneS-transferase and Glutathione Peroxidases to Feeding Rate of a Wolf SpiderPardosa prativaga. ATLA Alternatives To Laboratory Animals, 1998, 26, 399-403.	1.0	0