Arne Janssen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156 papers	5,639 citations	43 h-index	68 g-index
166 ext. papers	6,284 ext. citations	3.6 avg, IF	5.56 L-index

#	Paper	IF	Citations
156	Habitat structure affects intraguild predation. *Ecology*, **2007**, 88, 2713-9	4.6	229
155	Herbivore arthropods benefit from vectoring plant viruses. *Ecology Letters*, **2004**, 8, 70-79	10	185
154	A herbivore that manipulates plant defence. *Ecology Letters*, **2011**, 14, 229-36	10	171
153	Phytoseiid predators as potential biological control agents for Bemisia tabaci. *Experimental and Applied Acarology*, **2001**, 25, 271-91	2.1	171
152	Habitat structure and population persistence in an experimental community. *Nature*, **2001**, 412, 538-43	50.4	168
151	Mechanisms and ecological consequences of plant defence induction and suppression in herbivore communities. *Annals of Botany*, **2015**, 115, 1015-51	4.1	162
150	Biological control of thrips and whiteflies by a shared predator: Two pests are better than one. *Biological Control*, **2008**, 44, 372-379	3.8	162
149	Odour-mediated responses of phytophagous mites to conspecific and heterospecific competitors. *Oecologia*, **1997**, 110, 179-185	2.9	130
148	Phytoseiid predators suppress populations of Bemisia tabaci on cucumber plants with alternative food. *Experimental and Applied Acarology*, **2002**, 27, 57-68	2.1	117
147	Review Behaviour and indirect interactions in food webs of plant-inhabiting arthropods. *Experimental and Applied Acarology*, **1998**, 22, 497-521	2.1	109
146	Phytoseiid life-histories, local predator-prey dynamics, and strategies for control of tetranychid mites. *Experimental and Applied Acarology*, **1992**, 14, 233-250	2.1	102
145	Can plants use entomopathogens as bodyguards?. *Ecology Letters*, **2000**, 3, 228-235	10	98
144	Pollen subsidies promote whitefly control through the numerical response of predatory mites. *BioControl*, **2010**, 55, 253-260	2.3	96
143	Phytoseiid predators of whiteflies feed and reproduce on non-prey food sources. *Experimental and Applied Acarology*, **2003**, 31, 15-26	2.1	95
142	An ecological cost of plant defence: attractiveness of bitter cucumber plants to natural enemies of herbivores. *Ecology Letters*, **2002**, 5, 377-385	10	87
141	Diet of a polyphagous arthropod predator affects refuge seeking of its thrips prey. *Animal Behaviour*, **2000**, 60, 369-375	2.8	83
140	Herbivore host plant selection: whitefly learns to avoid host plants that harbour predators of her offspring. *Oecologia*, **2003**, 136, 484-8	2.9	81

139	Optimal Host Selection by Drosophila Parasitoids in the Field. *Functional Ecology*, **1989**, 3, 469	5.6	76
138	Predators Use Volatiles to Avoid Prey Patches with Conspecifics. *Journal of Animal Ecology*, **1997**, 66, 223	4.7	75
137	Parasitoid increases survival of its pupae by inducing hosts to fight predators. *PLoS ONE*, **2008**, 3, e2276	3.7	75
136	Pest species diversity enhances control of spider mites and whiteflies by a generalist phytoseiid predator. *BioControl*, **2010**, 55, 387-398	2.3	68
135	Predators induce interspecific herbivore competition for food in refuge space. *Ecology Letters*, **1998**, 1, 171-177	10	67
134	Biological control of broad mites (Polyphagotarsonemus latus) with the generalist predator Amblyseius swirskii. *Experimental and Applied Acarology*, **2010**, 52, 29-34	2.1	66
133	Poor host plant quality causes omnivore to consume predator eggs. *Journal of Animal Ecology*, **2003** , 72, 478-483	4.7	66
132	Plants with spider-mite prey attract more predatory mites than clean plants under greenhouse conditions. *Entomologia Experimentalis Et Applicata*, **1999**, 90, 191-198	2.1	64
131	Can plants betray the presence of multiple herbivore species to predators and parasitoids? The role of learning in phytochemical information networks. *Ecological Research*, **2006**, 21, 3-8	1.9	62
130	Intraguild Predation Usually does not Disrupt Biological Control **2006**, 21-44		61
129	Oviposition patterns in a predatory mite reduce the risk of egg predation caused by prey. *Ecological Entomology*, **2002**, 27, 660-664	2.1	60
128	Interspecific infanticide deters predators. *Ecology Letters*, **2002**, 5, 490-494	10	60
127	Adaptation in a spider mite population after long-term evolution on a single host plant. *Journal of Evolutionary Biology*, **2007**, 20, 2016-27	2.3	58
126	Diet of intraguild predators affects antipredator behavior in intraguild prey. *Behavioral Ecology*, **2005**, 16, 364-370	2.3	55
125	Flexible antipredator behaviour in herbivorous mites through vertical migration in a plant. *Oecologia*, **2002**, 132, 143-149	2.9	54
124	Clutch Size in a Larval-Pupal Endoparasitoid: Consequences for Fitness. *Journal of Animal Ecology*, **1994**, 63, 807	4.7	52
123	Ecology. The enemy of my enemy is my ally. *Science*, **2001**, 291, 2104-5	33.3	51
122	Herbivore benefits from vectoring plant virus through reduction of period of vulnerability to predation. *Oecologia*, **2008**, 156, 797-806	2.9	50

121	Prey attack and predators defend: counterattacking prey trigger parental care in predators. *Proceedings of the Royal Society B: Biological Sciences*, **2005**, 272, 1929-33	4.4	48
120	Extrafloral nectaries of associated trees can enhance natural pest control. *Agriculture, Ecosystems and Environment*, **2014**, 188, 198-203	5.7	47
119	Prey preference and reproductive success of the generalist predator Orius laevigatus. *Oikos*, **2002**, 97, 116-124	4	47
118	Spider Mites Avoid Plants with Predators. *Experimental and Applied Acarology*, **1999**, 23, 803-815	2.1	46
117	Increased control of thrips and aphids in greenhouses with two species of generalist predatory bugs involved in intraguild predation. *Biological Control*, **2014**, 79, 1-7	3.8	44
116	A herbivorous mite down-regulates plant defence and produces web to exclude competitors. *PLoS ONE*, **2011**, 6, e23757	3.7	44
115	Metapopulation dynamics of a persisting predator-prey system in the laboratory: time series analysis. *Experimental and Applied Acarology*, **1997**, 21, 415-430	2.1	43
114	Kin recognition by the predatory mite Iphiseius degenerans: discrimination among own, conspecific, and heterospecific eggs. *Ecological Entomology*, **2000**, 25, 147-155	2.1	43
113	Specificity of odour-mediated avoidance of competition in Drosophila parasitoids. *Behavioral Ecology and Sociobiology*, **1995**, 36, 229-235	2.5	43
112	Biological control of an acarine pest by single and multiple natural enemies. *Biological Control*, **2009**, 50, 60-65	3.8	42
111	Predators induce egg retention in prey. *Oecologia*, **2007**, 150, 699-705	2.9	42
110	A phytoseiid predator from the tropics as potential biological control agent for the spider mite Tetranychus urticae Koch (Acari: Tetranychidae). *Biological Control*, **2007**, 42, 105-109	3.8	42
109	Spider mite web mediates anti-predator behaviour. *Experimental and Applied Acarology*, **2010**, 52, 1-10	2.1	41
108	Odour-Mediated Avoidance of Competition in Drosophila parasitoids: The Ghost of Competition. *Oikos*, **1995**, 73, 356	4	41
107	Improved control capacity of the mite predator Phytoseiulus persimilis (Acari: Phytoseiidae) on tomato. *Experimental and Applied Acarology*, **1997**, 21, 507-518	2.1	39
106	The benefits of clustering eggs: the role of egg predation and larval cannibalism in a predatory mite. *Oecologia*, **2002**, 131, 20-26	2.9	38
105	Biological control of aphids in the presence of thrips and their enemies. *BioControl*, **2013**, 58, 45-55	2.3	37
104	Attraction of a generalist predator towards herbivore-infested plants. *Entomologia Experimentalis Et Applicata*, **1999**, 93, 303-312	2.1	37

103	Domatia reduce larval cannibalism in predatory mites. *Ecological Entomology*, **2008**, 33, 374-379	2.1	36
102	Ecology meets plant physiology: herbivore-induced plant responses and their indirect effects on arthropod communities188-218		36
101	Predator-prey role reversals, juvenile experience and adult antipredator behaviour. *Scientific Reports*, **2012**, 2, 728	4.9	35
100	Predatory mites avoid ovipositing near counterattacking prey. *Experimental and Applied Acarology*, **2001**, 25, 613-23	2.1	35
99	Herbivore-induced plant volatiles trigger sporulation in entomopathogenic fungi: the case of Neozygites tanajoae infecting the cassava green mite. *Journal of Chemical Ecology*, **2005**, 31, 1003-21	2.7	34
98	Prey preference, intraguild predation and population dynamics of an arthropod food web on plants. *Experimental and Applied Acarology*, **2001**, 25, 785-808	2.1	34
97	Down-regulation of plant defence in a resident spider mite species and its effect upon con- and heterospecifics. *Oecologia*, **2016**, 180, 161-7	2.9	32
96	Vector and virus induce plant responses that benefit a non-vector herbivore. *Basic and Applied Ecology*, **2010**, 11, 162-169	3.2	32
95	Patterns of exclusion in an intraguild predator-prey system depend on initial conditions. *Journal of Animal Ecology*, **2008**, 77, 624-30	4.7	32
94	Herbivores with similar feeding modes interact through the induction of different plant responses. *Oecologia*, **2016**, 180, 1-10	2.9	28
93	Leaf domatia reduce intraguild predation among predatory mites. *Ecological Entomology*, **2011**, 36, 435-441	2.1	28
92	Vulnerability of Bemisia tabaci immatures to phytoseiid predators: Consequences for oviposition and influence of alternative food. *Entomologia Experimentalis Et Applicata*, **2004**, 110, 95-102	2.1	28
91	Evolution of herbivore-induced plant volatiles. *Oikos*, **2002**, 97, 134-138	4	28
90	Preselecting predatory mites for biological control: the use of an olfactometer. *Bulletin of Entomological Research*, **1990**, 80, 177-181	1.7	28
89	Phytophagy of omnivorous predator Macrolophus pygmaeus affects performance of herbivores through induced plant defences. *Oecologia*, **2018**, 186, 101-113	2.9	28
88	Supplying high-quality alternative prey in the litter increases control of an above-ground plant pest by a generalist predator. *Biological Control*, **2017**, 105, 19-26	3.8	27
87	Pheromone-induced priming of a defensive response in Western flower thrips. *Journal of Chemical Ecology*, **2006**, 32, 1599-603	2.7	27
86	Intraguild interactions between the predatory mites Neoseiulus californicus and Phytoseiulus persimilis. *Experimental and Applied Acarology*, **2006**, 38, 33-46	2.1	27

85	Reproductive success ofAmblyseius idaeus andA. anonymus on a diet of two-spotted spider mites. *Experimental and Applied Acarology*, **1988**, 4, 41-51	2.1	27
84	Interactions between arthropod predators and plants: A conspiracy against herbivorous arthropods? **1999**, 207-229		27
83	Hyperpredation by generalist predatory mites disrupts biological control of aphids by the aphidophagous gall midge Aphidoletes aphidimyza. *Biological Control*, **2011**, 57, 246-252	3.8	26
82	To be an intra-guild predator or a cannibal: is prey quality decisive?. *Ecological Entomology*, **2006**, 31, 430-436	2.1	26
81	Alternative food promotes broad mite control on chilli pepper plants. *BioControl*, **2015**, 60, 817-825	2.3	25
80	Searching behaviour of an omnivorous predator for novel and native host plants of its herbivores: a study on arthropod colonization of eucalyptus in Brazil. *Entomologia Experimentalis Et Applicata*, **2005**, 116, 135-142	2.1	25
79	Invasion success in communities with reciprocal intraguild predation depends on the stage structure of the resident population. *Oikos*, **2012**, 121, 67-76	4	24
78	Adaptation in the asexual false spider mite Brevipalpus phoenicis: evidence for frozen niche variation. *Experimental and Applied Acarology*, **2005**, 36, 165-76	2.1	24
77	Evolution of Life-History Patterns in the Phytoseiidae **1994**, 70-98		24
76	Active prey mixing as an explanation for polyphagy in predatory arthropods: synergistic dietary effects on egg production despite a behavioural cost. *Functional Ecology*, **2015**, 29, 1317-1324	5.6	23
75	Cues of intraguild predators affect the distribution of intraguild prey. *Oecologia*, **2010**, 163, 335-40	2.9	23
74	Use of odours by Cycloneda sanguinea to assess patch quality. *Entomologia Experimentalis Et Applicata*, **2007**, 124, 313-318	2.1	23
73	Host-plant species modifies the diet of an omnivore feeding on three trophic levels. *Oikos*, **2005**, 111, 47-56	4	23
72	Prey temporarily escape from predation in the presence of a second prey species. *Ecological Entomology*, **2012**, 37, 529-535	2.1	22
71	Absence of odour-mediated avoidance of heterospecific competitors by the predatory mite Phytoseiulus persimilis. *Entomologia Experimentalis Et Applicata*, **1999**, 92, 73-82	2.1	22
70	Order of invasion affects the spatial distribution of a reciprocal intraguild predator. *Oecologia*, **2010**, 163, 79-89	2.9	21
69	Phytoseiid predator of whitefly feeds on plant tissue. *Experimental and Applied Acarology*, **2003**, 31, 27-36	2.1	21
68	Olfactory orientation of the truffle beetle, Leiodes cinnamomea. *Entomologia Experimentalis Et Applicata*, **2003**, 109, 147-153	2.1	20

67	Rock Powder Can Improve Vermicompost Chemical Properties and Plant Nutrition: an On-farm Experiment. *Communications in Soil Science and Plant Analysis*, **2018**, 49, 1-12	1.5	19
66	Generalist red velvet mite predator (Balaustium sp.) performs better on a mixed diet. *Experimental and Applied Acarology*, **2014**, 62, 19-32	2.1	17
65	Do domatia mediate mutualistic interactions between coffee plants and predatory mites?. *Entomologia Experimentalis Et Applicata*, **2006**, 118, 185-192	2.1	17
64	Interactions mediated by predators in arthropod food webs. *Neotropical Entomology*, **2001**, 30, 1-9	1.2	17
63	Modelling Fungal (Neozygites cf. Floridana) Epizootics in Local Populations of Cassava Green Mites (Mononychellus Tanajoa). *Experimental and Applied Acarology*, **1997**, 21, 485-506	2.1	16
62	Interactions Between Two Neotropical Phytoseiid Predators on Cassava Plants and Consequences for Biological Control of a Shared Spider Mite Prey: a Screenhouse Evaluation. *Biocontrol Science and Technology*, **2004**, 14, 63-76	1.7	16
61	Can plants use an entomopathogenic virus as a defense against herbivores?. *Oecologia*, **2005**, 143, 396-401	2.9	16
60	Global Persistence Despite Local Extinction in Acarine Predator-Prey Systems: Lessons From Experimental and Mathematical Exercises. *Advances in Ecological Research*, **2005**, 183-220	4.6	16
59	Can plants evolve stable alliances with the enemiesUenemies?. *Journal of Plant Interactions*, **2011**, 6, 71-75	3.8	15
58	Evolution of Exploitation and Defense in Tritrophic Interactions **2002**, 297-322		15
57	Inferring Colonization Processes from Population Dynamics in Spatially Structured Predator-Prey Systems. *Ecology*, **2000**, 81, 3350	4.6	15
56	Whether ideal free or not, predatory mites distribute so as to maximize reproduction. *Oecologia*, **2012**, 169, 95-104	2.9	14
55	Herbivores avoid host plants previously exposed to their omnivorous predator Macrolophus pygmaeus. *Journal of Pest Science*, **2019**, 92, 737-745	5.5	14
54	Non-crop plant to attract and conserve an aphid predator (Coleoptera: Coccinellidae) in tomato. *Biological Control*, **2017**, 115, 129-134	3.8	13
53	Intraguild predation among plant pests: western flower thrips larvae feed on whitefly crawlers. *BioControl*, **2012**, 57, 533-539	2.3	13
52	Antipredator behaviours of a spider mite in response to cues of dangerous and harmless predators. *Experimental and Applied Acarology*, **2016**, 69, 263-76	2.1	12
51	Previous and present diets of mite predators affect antipredator behaviour of whitefly prey. *Experimental and Applied Acarology*, **2006**, 38, 113-24	2.1	12
50	How predatory mites find plants with whitefly prey. *Experimental and Applied Acarology*, **2005**, 36, 263-75	2.1	11

49	How to evaluate the potential occurrence of intraguild predation. *Experimental and Applied Acarology*, **2017**, 72, 103-114	2.1	10
48	Fitness consequences of food-for-protection strategies in plants **2005**, 109-134		10
47	Size of predatory mites and refuge entrance determine success of biological control of the coconut mite. *BioControl*, **2016**, 61, 681-689	2.3	9
46	Time scales of associating food and odor by predator communities in the field. *Behavioral Ecology*, **2014**, 25, 1123-1130	2.3	9
45	Juvenile prey induce antipredator behaviour in adult predators. *Experimental and Applied Acarology* , **2013**, 59, 275-82	2.1	9
44	Biological control of mealybugs with lacewing larvae is affected by the presence and type of supplemental prey. *BioControl*, **2016**, 61, 555-565	2.3	9
43	Performance of Orius insidiosus on alternative foods. *Journal of Applied Entomology*, **2017**, 141, 702-707	1.7	8
42	Predatory interactions between prey affect patch selection by predators. *Behavioral Ecology and Sociobiology*, **2017**, 71, 66	2.5	8
41	Witnessing predation can affect strength of counterattack in phytoseiids with ontogenetic predatorprey role reversal. *Animal Behaviour*, **2014**, 93, 9-13	2.8	8
40	Context-dependent fitness effects of behavioral manipulation by a parasitoid. *Behavioral Ecology*, **2010**, 21, 33-36	2.3	8
39	Leaf domatia do not affect population dynamics of the predatory mite Iphiseiodes zuluagai. *Basic and Applied Ecology*, **2010**, 11, 144-152	3.2	8
38	High-quality alternative food reduces cannibalism in the predatory mite Amblyseius herbicolus (Acari: Phytoseiidae). *Experimental and Applied Acarology*, **2020**, 81, 189-200	2.1	8
37	Pesticides do not significantly reduce arthropod pest densities in the presence of natural enemies. *Ecology Letters*, **2021**, 24, 2010-2024	10	7
36	Predator performance is impaired by the presence of a second prey species. *Bulletin of Entomological Research*, **2017**, 107, 313-321	1.7	6
35	Predators marked with chemical cues from one prey have increased attack success on another prey species. *Ecological Entomology*, **2015**, 40, 62-68	2.1	6
34	Two predatory mite species as potential control agents of broad mites. *BioControl*, **2017**, 62, 505-513	2.3	6
33	No adaptation of a herbivore to a novel host but loss of adaptation to its native host. *Scientific Reports*, **2015**, 5, 16211	4.9	6
32	Odour-mediated sexual attraction in nabids (Heteroptera: Nabidae). *European Journal of Entomology*, **2008**, 105, 159-162		6

31	Herbivore performance and plant defense after sequential attacks by inducing and suppressing herbivores. *Insect Science*, **2019**, 26, 108-118	3.6	6
30	Distribution and oviposition site selection by predatory mites in the presence of intraguild predators. *Experimental and Applied Acarology*, **2015**, 67, 477-91	2.1	5
29	Limited predator-induced dispersal in whiteflies. *PLoS ONE*, **2012**, 7, e45487	3.7	5
28	Behaviour and indirect interactions in food webs of plant-inhabiting arthropods **1999**, 231-249		5
27	Specificity of odour-mediated avoidance of competition in Drosophila parasitoids **1995**, 36, 229		5
26	The omnivorous predator Macrolophus pygmaeus, a good candidate for the control of both greenhouse whitefly and poinsettia thrips on gerbera plants. *Insect Science*, **2020**, 27, 510-518	3.6	5
25	A predatory mite as potential biological control agent of Diaphorina citri. *BioControl*, **2021**, 66, 237-248	2.3	5
24	Parasitoids follow herbivorous insects to a novel host plant, generalist predators less so. *Entomologia Experimentalis Et Applicata*, **2017**, 162, 261-271	2.1	4
23	Breaking and entering: predators invade the shelter of their prey and gain protection. *Experimental and Applied Acarology*, **2015**, 67, 247-57	2.1	4
22	Do western flower thrips avoid plants infested with spider mites? Interactions between potential competitors **1999**, 375-380		4
21	The distribution of herbivores between leaves matches their performance only in the absence of competitors. *Ecology and Evolution*, **2020**, 10, 8405-8415	2.8	4
20	Prey exploitation and dispersal strategies vary among natural populations of a predatory mite. *Ecology and Evolution*, **2018**, 8, 10384-10394	2.8	4
19	Extrafloral nectary-bearing leguminous trees enhance pest control and increase fruit weight in associated coffee plants. *Agriculture, Ecosystems and Environment*, **2021**, 319, 107538	5.7	4
18	Plant feeding by an omnivorous predator affects plant phenology and omnivore performance. *Biological Control*, **2019**, 135, 66-72	3.8	3
17	Gender-specific differences in cannibalism between a laboratory strain and a field strain of a predatory mite. *Experimental and Applied Acarology*, **2018**, 74, 239-247	2.1	3
16	INFERRING COLONIZATION PROCESSES FROM POPULATION DYNAMICS IN SPATIALLY STRUCTURED PREDATOR PREY SYSTEMS. *Ecology*, **2000**, 81, 3350-3361	4.6	3
15	Reciprocal intraguild predation and predator coexistence. *Ecology and Evolution*, **2018**, 8, 6952-6964	2.8	3
14	Compatibility of two predator species for biological control of the two-spotted spider mite. *Experimental and Applied Acarology*, **2020**, 80, 409-422	2.1	2

13	Biodiversity in and around Greenhouses: Benefits and Potential Risks for Pest Management. *Insects*, **2021**, 12,	2.8	2
12	The use of volatile cues in recognition of kin eggs by predatory mites. *Ecological Entomology*, **2020**, 45, 1220-1223	2.1	2
11	Males cannibalise and females disperse in the predatory mite Phytoseiulus persimilis. *Experimental and Applied Acarology*, **2020**, 82, 185-198	2.1	1
10	Ants affect citrus pests and their natural enemies in contrasting ways. *Biological Control*, **2021**, 158, 104618	3.8	1
9	Ontogenetic stage-specific reciprocal intraguild predation. *Oecologia*, **2018**, 188, 743-751	2.9	1
8	Associative learning in immature lacewings (Ceraeochrysa cubana). *Entomologia Experimentalis Et Applicata*, **2019**, 167, 775-783	2.1	0
7	The omnivorous predator Macrolophus pygmaeus induces production of plant volatiles that attract a specialist predator. *Journal of Pest Science*,1	5.5	0
6	Field distribution patterns of pests are asymmetrically affected by the presence of other herbivores. *Bulletin of Entomological Research*, **2020**, 110, 611-619	1.7	0
5	Predatory mites protect own eggs against predators. *Entomologia Experimentalis Et Applicata*, **2021** , 169, 501-507	2.1	0
4	Experimental evolution of cowpea mild mottle virus reveals recombination-driven reduction in virulence accompanied by increases in diversity and viral fitness. *Virus Research*, **2021**, 303, 198389	6.4	0
3	UV light attracts Diaphorina citri and its parasitoid. *Biological Control*, **2022**, 170, 104928	3.8	0
2	Food Web Interactions and Ecosystem Processes. *Ecological Studies*, **2008**, 175-191	1.1	
1	Artificial selection for timing of dispersal in predatory mites yields lines that differ in prey exploitation strategies.. *Ecology and Evolution*, **2022**, 12, e8760	2.8	