## Jacintha Ellers

List of Publications by Year in descending order

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Version: 2024-02-01

66343 82547 6,313 143 42 72 citations h-index g-index papers 154 154 154 7165 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Global urban environmental change drives adaptation in white clover. Science, 2022, 375, 1275-1281.	12.6	62
2	Lack of lipid accumulation in two species of chalcidoid wasps with secondarily evolved phytophagy. Entomologia Experimentalis Et Applicata, 2022, 170, 460-467.	1.4	0
3	The Effects of Learning in Morphologically Evolving Robot Systems. Frontiers in Robotics and AI, 2022, 9, .	3.2	5
4	The Tarnished Silver Lining of Extreme Climatic Events. Trends in Ecology and Evolution, 2021, 36, 384-385.	8.7	3
5	The impact of different tasks on evolved robot morphologies. , 2021, , .		1
6	International scientists formulate a roadmap for insect conservation and recovery. Nature Ecology and Evolution, 2020, 4, 174-176.	7.8	176
7	Temperature responses in a subarctic springtail from two geothermally warmed habitats. Pedobiologia, 2020, 78, 150606.	1.2	6
8	Variation in plant leaf traits affects transmission and detectability of herbivore vibrational cues. Ecology and Evolution, 2020, 10, 12277-12289.	1.9	11
9	Environmental and morphological constraints interact to drive the evolution of communication signals in frogs. Journal of Evolutionary Biology, 2020, 33, 1749-1757.	1.7	7
10	Strain differences rather than species differences contribute to variation in associative learning ability in Nasonia. Animal Behaviour, 2020, 168, 25-31.	1.9	4
11	Male Sexual Trait Decay in Two Asexual Springtail Populations Follows Neutral Mutation Accumulation Theory. Evolutionary Biology, 2020, 47, 285-292.	1.1	5
12	Plant Secondary Compounds in Soil and Their Role in Belowground Species Interactions. Trends in Ecology and Evolution, 2020, 35, 716-730.	8.7	44
13	Multi-faceted analysis provides little evidence for recurrent whole-genome duplications during hexapod evolution. BMC Biology, 2020, 18, 57.	3.8	19
14	Disentangling the effects of plant species invasion and urban development on arthropod community composition. Global Change Biology, 2020, 26, 3294-3306.	9.5	16
15	Gone with the wind: Is signal timing in a neotropical katydid an adaptive response to variation in wind-induced vibratory noise?. Behavioral Ecology and Sociobiology, 2020, 74, 1.	1.4	15
16	The effect of mating on female reproduction across hermaphroditic freshwater snails. Invertebrate Biology, 2020, 139, e12275.	0.9	11
17	Parallel Evolution in the Integration of a Co-obligate Aphid Symbiosis. Current Biology, 2020, 30, 1949-1957.e6.	3.9	54
18	Robotic task affects the resulting morphology and behaviour in evolutionary robotics. , 2020, , .		4

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19	Influences of Artificial Speciation on Morphological Robot Evolution. , 2020, , .		3
20	Species richness and functional diversity of isopod communities vary across an urbanisation gradient, but the direction and strength depend on soil type. Soil Biology and Biochemistry, 2020, 148, 107851.	8.8	5
21	Host relatedness influences the composition of aphid microbiomes. Environmental Microbiology Reports, 2019, 11, 808-816.	2.4	37
22	Towards more predictive and interdisciplinary climate change ecosystem experiments. Nature Climate Change, 2019, 9, 809-816.	18.8	28
23	Genomic Resources for <i>Goniozus legneri</i> , <i>Aleochara bilineata</i> and <i>Paykullia maculata</i> , Representing Three Independent Origins of the Parasitoid Lifestyle in Insects. G3: Genes, Genomes, Genetics, 2019, 9, 987-991.	1.8	10
24	What are the costs of learning? Modest trade-offs and constitutive costs do not set the price of fast associative learning ability in a parasitoid wasp. Animal Cognition, 2019, 22, 851-861.	1.8	6
25	The Importance of Validating the Demethylating Effect of 5-aza-2′-deoxycytidine in Model Species. American Naturalist, 2019, 194, 422-431.	2.1	5
26	Gene expression changes associated with the evolutionary loss of a metabolic trait: lack of lipogenesis in parasitoids. BMC Genomics, 2019, 20, 309.	2.8	20
27	Temporal expression profile of an accessory-gland protein that is transferred via the seminal fluid of the simultaneous hermaphrodite Lymnaea stagnalis. Journal of Molluscan Studies, 2019, 85, 177-183.	1.2	9
28	Functional characterisation of two $\hat{l}$ "12-desaturases demonstrates targeted production of linoleic acid as pheromone precursor in <i>Nasonia</i> ). Journal of Experimental Biology, 2019, 222, .	1.7	16
29	Genome expansion of an obligate parthenogenesis-associated Wolbachia poses an exception to the symbiont reduction model. BMC Genomics, 2019, 20, 106.	2.8	24
30	Adaptive changes in sexual signalling in response to urbanization. Nature Ecology and Evolution, 2019, 3, 374-380.	7.8	72
31	First records of the mourning gecko (Lepidodactylus lugubris Duméril and Bibron, 1836), common house gecko (Hemidactylus frenatus in Duméril, 1836), and Tokay gecko (Gekko gecko Linnaeus, 1758) on CuraÃŝao, Dutch Antilles, and remarks on their Caribbean distributions. Biolnvasions Records, 2019, 8, 34-44.	1.1	7
32	An Evolutionary Perspective on Linoleic Acid Synthesis in Animals. Evolutionary Biology, 2018, 45, 15-26.	1,1	53
33	Heated communities: large inter- and intraspecific variation in heat tolerance across trophic levels of a soil arthropod community. Oecologia, 2018, 186, 311-322.	2.0	48
34	Functional diversity of Collembola is reduced in soils subjected to shortâ€ŧerm, but not longâ€ŧerm, geothermal warming. Functional Ecology, 2018, 32, 1304-1316.	3.6	22
35	A Common Yardstick to Measure the Effects of Different Extreme Climatic Events on Soil Arthropod Community Composition Using Time-Series Data. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	4
36	Regulatory and sequence evolution in response to selection for improved associative learning ability in Nasonia vitripennis. BMC Genomics, 2018, 19, 892.	2.8	7

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37	Impact of Multiple Ecological Stressors on a Sub-Arctic Ecosystem: No Interaction Between Extreme Winter Warming Events, Nitrogen Addition and Grazing. Frontiers in Plant Science, 2018, 9, 1787.	3.6	6
38	Ant-like Traits in Wingless Parasitoids Repel Attack from Wolf Spiders. Journal of Chemical Ecology, 2018, 44, 894-904.	1.8	5
39	Selection for associative learning of color stimuli reveals correlated evolution of this learning ability across multiple stimuli and rewards. Evolution; International Journal of Organic Evolution, 2018, 72, 1449-1459.	2.3	19
40	Internet Blogs, Polar Bears, and Climate-Change Denial by Proxy. BioScience, 2018, 68, 281-287.	4.9	45
41	Human land use promotes the abundance and diversity of exotic species on Caribbean islands. Global Change Biology, 2018, 24, 4784-4796.	9.5	26
42	Growth benefits provided by different arbuscular mycorrhizal fungi to Plantago lanceolata depend on the form of available phosphorus. European Journal of Soil Biology, 2018, 88, 89-96.	3.2	10
43	Diversity in form and function: Vertical distribution of soil fauna mediates multidimensional trait variation. Journal of Animal Ecology, 2018, 87, 933-944.	2.8	42
44	Symbiont interactions with non-native hosts limit the formation of new symbioses. BMC Evolutionary Biology, 2018, 18, 27.	3.2	22
45	Honey and honey-based sugars partially affect reproductive trade-offs in parasitoids exhibiting different life-history and reproductive strategies. Journal of Insect Physiology, 2017, 98, 134-140.	2.0	13
46	Love at first sniff: a spermatophore-associated pheromone mediates partner attraction in a collembolan species. Animal Behaviour, 2017, 124, 221-227.	1.9	8
47	Ecomorphological adaptations in Collembola in relation to feeding strategies and microhabitat. European Journal of Soil Biology, 2017, 78, 82-91.	3.2	35
48	De novo Synthesis of Linoleic Acid in Multiple Collembola Species. Journal of Chemical Ecology, 2017, 43, 911-919.	1.8	22
49	Environmental conditions limit attractiveness of a complex sexual signal in the túngara frog. Nature Communications, 2017, 8, 1891.	12.8	14
50	Coping with living in the soil: the genome of the parthenogenetic springtail Folsomia candida. BMC Genomics, 2017, 18, 493.	2.8	103
51	Synergistic effect of daily temperature fluctuations and matching light-dark cycle enhances population growth and synchronizes oviposition behavior in a soil arthropod. Journal of Insect Physiology, 2017, 96, 108-114.	2.0	6
52	Handbook of protocols for standardized measurement of terrestrial invertebrate functional traits. Functional Ecology, 2017, 31, 558-567.	3.6	290
53	Gold Open Access Publishing in Mega-Journals: Developing Countries Pay the Price of Western Premium Academic Output. Journal of Scholarly Publishing, 2017, 49, 89-102.	0.6	20
54	Sexual selection gradients change over time in a simultaneous hermaphrodite. ELife, 2017, 6, .	6.0	18

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55	Decay of sexual trait genes in an asexual parasitoid wasp. Genome Biology and Evolution, 2016, 8, evw273.	2.5	33
56	Transgenerational effects of nutrition are different for sons and daughters. Journal of Evolutionary Biology, 2016, 29, 1317-1327.	1.7	27
57	Replacing qualitative lifeâ€history traits by quantitative indices in parasitoid evolutionary ecology. Entomologia Experimentalis Et Applicata, 2016, 159, 163-171.	1.4	10
58	Editorial overview: Behavioural ecology of insects and its metamorphosis into a multidisciplinary field. Current Opinion in Insect Science, 2015, 9, ix-x.	4.4	0
59	Biofumigation using a wild Brassica oleracea accession with high glucosinolate content affects beneficial soil invertebrates. Plant and Soil, 2015, 394, 155-163.	3.7	10
60	Interplay of robustness and plasticity of lifeâ€history traits drives ecotypic differentiation in thermally distinct habitats. Journal of Evolutionary Biology, 2015, 28, 1057-1066.	1.7	14
61	Extending the integrated phenotype: covariance and correlation in plasticity of behavioural traits. Current Opinion in Insect Science, 2015, 9, 31-35.	4.4	18
62	Integrating more biological and ecological realism into studies of multitrophic interactions. Ecological Entomology, 2015, 40, 349-352.	2.2	10
63	Thermal change alters the outcome of behavioural interactions between antagonistic partners. Ecological Entomology, 2014, 39, 578-588.	2.2	26
64	MEASURING THE PLASTICITY OF DEVELOPMENTAL RATE ACROSS INSECT POPULATIONS: COMMENT ON ROCHA AND KLACZKO (2012). Evolution; International Journal of Organic Evolution, 2014, 68, 1544-1547.	2.3	2
65	Effects of a natural toxin on life history and gene expression of <i>Eisenia andrei</i> . Environmental Toxicology and Chemistry, 2014, 33, 412-420.	4.3	8
66	Rising temperature reduces divergence in resource use strategies in coexisting parasitoid species. Oecologia, 2014, 174, 967-977.	2.0	31
67	Convergence and Divergence in Direct and Indirect Life-History Traits of Closely Related Parasitoids (Braconidae: Microgastrinae). Evolutionary Biology, 2014, 41, 134-144.	1.1	12
68	Rapid shift in thermal resistance between generations through maternal heat exposure. Oikos, 2014, 123, 1365-1370.	2.7	38
69	Receipt of Seminal Fluid Proteins Causes Reduction of Male Investment in a Simultaneous Hermaphrodite. Current Biology, 2014, 24, 859-862.	3.9	59
70	Traits underpinning desiccation resistance explain distribution patterns of terrestrial isopods. Oecologia, 2013, 172, 667-677.	2.0	67
71	Male–male competition leads to less abundant but more attractive sperm. Biology Letters, 2013, 9, 20130762.	2.3	11
72	Do fungivores trigger the transfer of protective metabolites from host plants to arbuscular mycorrhizal hyphae?. Ecology, 2013, 94, 2019-2029.	3.2	36

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73	Fatty acid composition remains stable across trophic levels in a gall wasp community. Physiological Entomology, 2013, 38, 306-312.	1.5	5
74	Acclimation responses to temperature vary with vertical stratification: implications for vulnerability of soilâ€dwelling species to extreme temperature events. Global Change Biology, 2013, 19, 975-984.	9.5	74
75	Transcriptional responses indicate attenuated oxidative stress in the springtail Folsomia candida exposed to mixtures of cadmium and phenanthrene. Ecotoxicology, 2013, 22, 619-631.	2.4	19
76	Transcriptional Changes Associated with Lack of Lipid Synthesis in Parasitoids. Genome Biology and Evolution, 2012, 4, 864-874.	2.5	40
77	Time-related survival effects of two gluconasturtiin hydrolysis products on the terrestrial isopod Porcellio scaber. Chemosphere, 2012, 89, 1084-1090.	8.2	11
78	Mating rate influences female reproductive investment in a simultaneous hermaphrodite, Lymnaea stagnalis. Animal Behaviour, 2012, 84, 523-529.	1.9	28
79	Molecular and life-history effects of a natural toxin on herbivorous and non-target soil arthropods. Ecotoxicology, 2012, 21, 1084-1093.	2.4	19
80	Effects of a lipid-rich diet on adult parasitoid income resources and survival. Biological Control, 2012, 60, 119-122.	3.0	7
81	Ecological and molecular consequences of prolonged drought and subsequent rehydration in Folsomia candida (Collembola). Journal of Insect Physiology, 2012, 58, 130-137.	2.0	13
82	The effect of different dietary sugars and honey on longevity and fecundity in two hyperparasitoid wasps. Journal of Insect Physiology, 2012, 58, 816-823.	2.0	59
83	Ecological interactions drive evolutionary loss of traits. Ecology Letters, 2012, 15, 1071-1082.	6.4	104
84	Comparing resource exploitation and allocation of two closely related aphid parasitoids sharing the same host. Evolutionary Ecology, 2012, 26, 79-94.	1.2	28
85	The costs of phenotypic adaptation to repeatedly fluctuating temperatures in a soil arthropod. Journal of Thermal Biology, 2011, 36, 515-520.	2.5	2
86	Temperature-induced plasticity in membrane and storage lipid composition: Thermal reaction norms across five different temperatures. Journal of Insect Physiology, 2011, 57, 285-291.	2.0	23
87	Effects of exposure to short-term heat stress on male reproductive fitness in a soil arthropod. Journal of Insect Physiology, 2011, 57, 421-426.	2.0	52
88	Fatty acid composition and extreme temperature tolerance following exposure to fluctuating temperatures in a soil arthropod. Journal of Insect Physiology, 2011, 57, 1267-1273.	2.0	35
89	Discriminating between energetic content and dietary composition as an explanation for dietary restriction effects. Journal of Insect Physiology, 2011, 57, 1670-1676.	2.0	19
90	Genetic correlation between temperature-induced plasticity of life-history traits in a soil arthropod. Evolutionary Ecology, 2011, 25, 473-484.	1.2	25

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91	High throughput nano-liter RT-qPCR to classify soil contamination using a soil arthropod. BMC Molecular Biology, 2011, 12, 11.	3.0	20
92	Genotypic richness and phenotypic dissimilarity enhance population performance. Ecology, 2011, 92, 1605-1615.	3.2	36
93	Interaction Milieu Explains Performance of Species in Simple Food Webs along an Environmental Gradient. Open Ecology Journal, 2011, 3, 12-21.	2.0	13
94	Altruistic Behavior and Cooperation: The Role of Intrinsic Expectation When Reputational Information is Incomplete. Evolutionary Psychology, 2010, 8, 37-48.	0.9	5
95	Loss of lipid synthesis as an evolutionary consequence of a parasitic lifestyle. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8677-8682.	7.1	159
96	Trait plasticity in species interactions: a driving force of community dynamics. Evolutionary Ecology, 2010, 24, 617-629.	1.2	126
97	Frontiers in phenotypic plasticity research: new questions about mechanisms, induced responses and ecological impacts. Evolutionary Ecology, 2010, 24, 523-526.	1.2	21
98	A moderate change in temperature induces changes in fatty acid composition of storage and membrane lipids in a soil arthropod. Journal of Insect Physiology, 2010, 56, 178-184.	2.0	71
99	Costs of receipt and donation of ejaculates in a simultaneous hermaphrodite. BMC Evolutionary Biology, 2010, 10, 393.	3.2	25
100	Temperatureâ€induced plasticity in egg size and resistance of eggs to temperature stress in a soil arthropod. Functional Ecology, 2010, 24, 1291-1298.	3.6	29
101	Adapt or disperse: understanding species persistence in a changing world. Global Change Biology, 2010, 16, 587-598.	9.5	438
102	An Agent-Based Modeling Approach to Investigate Emergent Patterns in Ecological Systems. , 2010, , .		0
103	Genetic variation in heat resistance and HSP70 expression in inbred isofemale lines of the springtail Orchesella cincta. Climate Research, 2010, 43, 41-47.	1.1	22
104	Altruistic behavior and cooperation: the role of intrinsic expectation when reputational information is incomplete. Evolutionary Psychology, 2010, 8, 37-48.	0.9	1
105	Female preference and fitness benefits of mate choice in a species with dissociated sperm transfer. Animal Behaviour, 2009, 78, 1261-1267.	1.9	22
106	Maximized PUFA measurements improve insight in changes in fatty acid composition in response to temperature. Archives of Insect Biochemistry and Physiology, 2009, 72, 88-104.	1.5	15
107	Wolbachia endosymbiont is essential for egg hatching in a parthenogenetic arthropod. Evolutionary Ecology, 2009, 23, 931-942.	1.2	45
108	Reference genes for QRT-PCR tested under various stress conditions in Folsomia candida and Orchesella cincta (Insecta, Collembola). BMC Molecular Biology, 2009, 10, 54.	3.0	77

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109	Dynamics of heatâ€induced thermal stress resistance and hsp70 expression in the springtail, <i>Orchesella cincta</i> . Functional Ecology, 2009, 23, 233-239.	3.6	114
110	PLASTICITY VERSUS ENVIRONMENTAL CANALIZATION: POPULATION DIFFERENCES IN THERMAL RESPONSES ALONG A LATITUDINAL GRADIENT IN <i>DROSOPHILA SERRATA</i> . Evolution; International Journal of Organic Evolution, 2009, 63, 1954-1963.	2.3	111
111	Chapter 11 Evolutionary processes in community ecology. , 2009, , 151-162.		5
112	Temperatureâ€induced gene expression associated with different thermal reaction norms for growth rate. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2008, 310B, 137-147.	1.3	29
113	Habitat-specific differences in thermal plasticity in natural populations of a soil arthropod. Biological Journal of the Linnean Society, 2008, 94, 265-271.	1.6	56
114	Lack of lipogenesis in parasitoids: A review of physiological mechanisms and evolutionary implications. Journal of Insect Physiology, 2008, 54, 1315-1322.	2.0	136
115	Resource Acquisition, Allocation, and Utilization in Parasitoid Reproductive Strategies. Annual Review of Entomology, 2008, 53, 361-385.	11.8	353
116	Animal Biology special issue arising from the 14th Benelux Congress of Zoology, Amsterdam, 1-2 November 2007. Animal Biology, 2008, 58, 337-339.	1.0	0
117	Allelic diversity of metallothionein in Orchesella cincta (L.): traces of natural selection by environmental pollution. Heredity, 2007, 98, 311-319.	2.6	26
118	Variation, selection and heritability of thermal reaction norms for juvenile growth in Orchesella cincta (Collembola: Entomobryidae). European Journal of Entomology, 2007, 104, 39-46.	1.2	25
119	Genetic structure in Orchesella cincta (Collembola): strong subdivision of European populations inferred from mtDNA and AFLP markers. Molecular Ecology, 2005, 14, 2017-2024.	3.9	55
120	Metallothionein mRNA Expression and Cadmium Tolerance in Metal-stressed and Reference Populations of the Springtail Orchesella cincta. Ecotoxicology, 2005, 14, 727-739.	2.4	63
121	Evolutionary genetics of dorsal wing colour in Colias butterflies. Journal of Evolutionary Biology, 2004, 17, 752-758.	1.7	12
122	Functional ecological implications of intraspecific differences in wing melanization in Colias butterflies. Biological Journal of the Linnean Society, 2004, 82, 79-87.	1.6	123
123	Evidence for multiple origins of Wolbachia infection in springtails. Pedobiologia, 2004, 48, 469-475.	1.2	13
124	Song divergence and male dispersal among bird populations: a spatially explicit model testing the role of vocal learning. Animal Behaviour, 2003, 65, 671-681.	1.9	101
125	Body size and the timing of egg production in parasitoid wasps. Oikos, 2003, 102, 164-172.	2.7	110
126	THE EVOLUTION OF WING COLOR: MALE MATE CHOICE OPPOSES ADAPTIVE WING COLOR DIVERGENCE IN COLIAS BUTTERFLIES. Evolution; International Journal of Organic Evolution, 2003, 57, 1100-1106.	2.3	90

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127	THE EVOLUTION OF WING COLOR: MALE MATE CHOICE OPPOSES ADAPTIVE WING COLOR DIVERGENCE IN COLIAS BUTTERFLIES. Evolution; International Journal of Organic Evolution, 2003, 57, 1100.	2.3	10
128	THE EVOLUTION OF WING COLOR IN COLIAS BUTTERFLIES: HERITABILITY, SEX LINKAGE, AND POPULATION DIVERGENCE. Evolution; International Journal of Organic Evolution, 2002, 56, 836.	2.3	4
129	A trade-off between diapause duration and fitness in female parasitoids. Ecological Entomology, 2002, 27, 279-284.	2.2	117
130	BIRDSONG AND SOUND TRANSMISSION: THE BENEFITSOF REVERBERATIONS. Condor, 2002, 104, 564.	1.6	87
131	Birdsong and Sound Transmission: The Benefits of Reverberations. Condor, 2002, 104, 564-573.	1.6	106
132	THE EVOLUTION OF WING COLOR IN COLIAS BUTTERFLIES: HERITABILITY, SEX LINKAGE, AND POPULATION DIVERGENCE. Evolution; International Journal of Organic Evolution, 2002, 56, 836-840.	2.3	82
133	Seasonal changes in female size and its relation to reproduction in the parasitoid Asobara tabida. Oikos, 2001, 92, 309-314.	2.7	44
134	Absence of single-locus complementary sex determination in the braconid wasps Asobara tabida and Alysia manducator. Heredity, 2000, 84, 29-36.	2.6	38
135	Egg Load Evolution in Parasitoids. American Naturalist, 2000, 156, 650-665.	2.1	141
136	THE SHAPE OF THE TRADE-OFF FUNCTION BETWEEN EGG PRODUCTION AND LIFE SPAN IN THE PARASITOID ASOBARA TABIDA. Animal Biology, 2000, 50, 29-36.	0.4	43
137	A field study of size-fitness relationships in the parasitoid Asobara tabida. Journal of Animal Ecology, 1998, 67, 318-324.	2.8	232
138	An Evolutionary Argument for Time Limitation. Evolution; International Journal of Organic Evolution, 1998, 52, 1241.	2.3	56
139	AN EVOLUTIONARY ARGUMENT FOR TIME LIMITATION. Evolution; International Journal of Organic Evolution, 1998, 52, 1241-1244.	2.3	66
140	Feeding strategies in drosophilid parasitoids: the impact of natural food resources on energy reserves in females. Ecological Entomology, 1998, 23, 133-138.	2.2	57
141	Fat and Eggs: an Alternative Method To Measure the Trade-Off Between Survival and Reproduction in Insect Parasitoids. Animal Biology, 1995, 46, 227-235.	0.4	163
142	The role of biodiversity in the provision of ecosystem services. , 0, , 25-39.		1
143	Biomarker development for neonicotinoid exposure in soil under interaction with the synergist piperonyl butoxide in Folsomia candida. Environmental Science and Pollution Research, 0, , .	<b>5.</b> 3	2