

# David Goulson

## List of Publications by Citations

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292  
papers

23,496  
citations

77  
h-index

145  
g-index

311  
ext. papers

28,069  
ext. citations

5.1  
avg, IF

7.53  
L-index

#	Paper	IF	Citations
292	Bee declines driven by combined stress from parasites, pesticides, and lack of flowers. <i>Science</i> , <b>2015</b> , 347, 1255957	33.3	1708
291	More than 75 percent decline over 27 years in total flying insect biomass in protected areas. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185809	3.7	1293
290	REVIEW: An overview of the environmental risks posed by neonicotinoid insecticides. <i>Journal of Applied Ecology</i> , <b>2013</b> , 50, 977-987	5.8	944
289	Systemic insecticides (neonicotinoids and fipronil): trends, uses, mode of action and metabolites. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 5-34	5.1	839
288	Neonicotinoid pesticide reduces bumble bee colony growth and queen production. <i>Science</i> , <b>2012</b> , 336, 351-2	33.3	796
287	Decline and conservation of bumble bees. <i>Annual Review of Entomology</i> , <b>2008</b> , 53, 191-208	21.8	709
286	Environmental fate and exposure; neonicotinoids and fipronil. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 35-67	5.1	636
285	Effects of neonicotinoids and fipronil on non-target invertebrates. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 68-102	5.1	465
284	Effects of Introduced Bees on Native Ecosystems. <i>Annual Review of Ecology, Evolution, and Systematics</i> , <b>2003</b> , 34, 1-26	13.5	438
283	Causes of rarity in bumblebees. <i>Biological Conservation</i> , <b>2005</b> , 122, 1-8	6.2	310
282	Comparing the efficacy of agri-environment schemes to enhance bumble bee abundance and diversity on arable field margins. <i>Journal of Applied Ecology</i> , <b>2006</b> , 44, 29-40	5.8	280
281	The environmental risks of neonicotinoid pesticides: a review of the evidence post 2013. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 17285-17325	5.1	278
280	Neonicotinoids, bee disorders and the sustainability of pollinator services. <i>Current Opinion in Environmental Sustainability</i> , <b>2013</b> , 5, 293-305	7.2	270
279	Bumblebee flight distances in relation to the forage landscape. <i>Journal of Animal Ecology</i> , <b>2008</b> , 77, 406-415	4.5	270
278	An interspecific comparison of foraging range and nest density of four bumblebee ( <i>Bombus</i> ) species. <i>Molecular Ecology</i> , <b>2005</b> , 14, 1811-20	5.7	253
277	Global assessment of agricultural system redesign for sustainable intensification. <i>Nature Sustainability</i> , <b>2018</b> , 1, 441-446	22.1	250
276	Are bee diseases linked to pesticides? - A brief review. <i>Environment International</i> , <b>2016</b> , 89-90, 7-11	12.9	249

275	Declines in forage availability for bumblebees at a national scale. <i>Biological Conservation</i> , <b>2006</b> , 132, 481-489	4.89	246
274	Neonicotinoid Residues in Wildflowers, a Potential Route of Chronic Exposure for Bees. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 12731-40	10.3	240
273	The city as a refuge for insect pollinators. <i>Conservation Biology</i> , <b>2017</b> , 31, 24-29	6	216
272	Widespread contamination of wildflower and bee-collected pollen with complex mixtures of neonicotinoids and fungicides commonly applied to crops. <i>Environment International</i> , <b>2016</b> , 88, 169-178	12.9	202
271	Can alloethism in workers of the bumblebee, <i>Bombus terrestris</i> , be explained in terms of foraging efficiency?. <i>Animal Behaviour</i> , <b>2002</b> , 64, 123-130	2.8	185
270	Baculovirus resistance in the noctuid <i>Spodoptera exempta</i> is phenotypically plastic and responds to population density. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>1998</b> , 265, 1787-1791	4.4	182
269	Society for Ambulatory Anesthesia consensus statement on perioperative blood glucose management in diabetic patients undergoing ambulatory surgery. <i>Anesthesia and Analgesia</i> , <b>2010</b> , 111, 1378-87	3.9	179
268	Quantifying and comparing bumblebee nest densities in gardens and countryside habitats. <i>Journal of Applied Ecology</i> , <b>2007</b> , 45, 784-792	5.8	179
267	Foraging strategies of insects for gathering nectar and pollen, and implications for plant ecology and evolution. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>1999</b> , 2, 185-209	3	177
266	Parasites in bloom: flowers aid dispersal and transmission of pollinator parasites within and between bee species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282, 20151371	4.4	173
265	Field realistic doses of pesticide imidacloprid reduce bumblebee pollen foraging efficiency. <i>Ecotoxicology</i> , <b>2014</b> , 23, 317-23	2.9	172
264	Environmental Risks and Challenges Associated with Neonicotinoid Insecticides. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 3329-3335	10.3	167
263	Colony growth of the bumblebee, <i>Bombus terrestris</i> , in improved and conventional agricultural and suburban habitats. <i>Oecologia</i> , <b>2002</b> , 130, 267-273	2.9	164
262	Use of genetic markers to quantify bumblebee foraging range and nest density. <i>Oikos</i> , <b>2004</b> , 107, 471-478	4.8	157
261	Field trial of a genetically improved baculovirus insecticide. <i>Nature</i> , <b>1994</b> , 370, 138-140	50.4	157
260	Bumblebees	415-429	152
259	Niche overlap and diet breadth in bumblebees; are rare species more specialized in their choice of flowers?. <i>Apidologie</i> , <b>2004</b> , 35, 55-63	2.3	151
258	Effects of land use at a landscape scale on bumblebee nest density and survival. <i>Journal of Applied Ecology</i> , <b>2010</b> , 47, 1207-1215	5.8	149

257	The invasion of southern South America by imported bumblebees and associated parasites. <i>Journal of Animal Ecology</i> , <b>2014</b> , 83, 823-37	4.7	139
256	Breeding system, pollinator choice and variation in pollen quality in British herbaceous plants. <i>Functional Ecology</i> , <b>2008</b> , 22, 592-598	5.6	139
255	The Trojan hives: pollinator pathogens, imported and distributed in bumblebee colonies. <i>Journal of Applied Ecology</i> , <b>2013</b> , 50, 1207-1215	5.8	138
254	The PREDICTS database: a global database of how local terrestrial biodiversity responds to human impacts. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 4701-35	2.8	132
253	Foraging bumblebees avoid flowers already visited by conspecifics or by other bumblebee species. <i>Animal Behaviour</i> , <b>1998</b> , 55, 199-206	2.8	121
252	Preferred nesting sites of bumblebee queens (Hymenoptera: Apidae) in agroecosystems in the UK. <i>Biological Conservation</i> , <b>2003</b> , 109, 165-174	6.2	119
251	Estimation of bumblebee queen dispersal distances using sibship reconstruction method. <i>Molecular Ecology</i> , <b>2010</b> , 19, 819-31	5.7	118
250	Research trends in ecosystem services provided by insects. <i>Basic and Applied Ecology</i> , <b>2018</b> , 26, 8-23	3.2	117
249	Contamination of wild plants near neonicotinoid seed-treated crops, and implications for non-target insects. <i>Science of the Total Environment</i> , <b>2016</b> , 566-567, 269-278	10.2	116
248	The effectiveness of flower strips and hedgerows on pest control, pollination services and crop yield: a quantitative synthesis. <i>Ecology Letters</i> , <b>2020</b> , 23, 1488-1498	10	115
247	An economic model of the limits to foraging range in central place foragers with numerical solutions for bumblebees. <i>Ecological Entomology</i> , <b>2000</b> , 25, 249-255	2.1	114
246	Unveiling cryptic species of the bumblebee subgenus <i>Bombus</i> s. str. worldwide with COI barcodes (Hymenoptera: Apidae). <i>Systematics and Biodiversity</i> , <b>2012</b> , 10, 21-56	1.7	113
245	The use of conspecific and interspecific scent marks by foraging bumblebees and honeybees. <i>Animal Behaviour</i> , <b>2001</b> , 62, 183-189	2.8	111
244	Genetic diversity, parasite prevalence and immunity in wild bumblebees. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2011</b> , 278, 1195-202	4.4	107
243	Emerging dangers: deadly effects of an emergent parasite in a new pollinator host. <i>Journal of Invertebrate Pathology</i> , <b>2013</b> , 114, 114-9	2.6	105
242	The database of the PREDICTS (Projecting Responses of Ecological Diversity In Changing Terrestrial Systems) project. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 145-188	2.8	101
241	Extremely low effective population sizes, genetic structuring and reduced genetic diversity in a threatened bumblebee species, <i>Bombus sylvarum</i> (Hymenoptera: Apidae). <i>Molecular Ecology</i> , <b>2006</b> , 15, 4375-86	5.7	101
240	Population structure and inbreeding in a rare and declining bumblebee, <i>Bombus muscorum</i> (Hymenoptera: Apidae). <i>Molecular Ecology</i> , <b>2006</b> , 15, 601-11	5.7	100

239	International scientists formulate a roadmap for insect conservation and recovery. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 174-176	12.3	98
238	An update of the Worldwide Integrated Assessment (WIA) on systemic insecticides. Part 2: impacts on organisms and ecosystems. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 11749-11797	5.1	98
237	Toxic Effects of Spinosad on Predatory Insects. <i>Biological Control</i> , <b>2002</b> , 23, 156-163	3.8	92
236	Evidence for competition between honeybees and bumblebees; effects on bumblebee worker size. <i>Journal of Insect Conservation</i> , <b>2009</b> , 13, 177-181	2.1	91
235	Targeted agri-environment schemes significantly improve the population size of common farmland bumblebee species. <i>Molecular Ecology</i> , <b>2015</b> , 24, 1668-80	5.7	89
234	Repellent scent-marking of flowers by a guild of foraging bumblebees ( <i>Bombus</i> spp.). <i>Behavioral Ecology and Sociobiology</i> , <b>1998</b> , 43, 317-326	2.5	87
233	Do managed bees drive parasite spread and emergence in wild bees?. <i>International Journal for Parasitology: Parasites and Wildlife</i> , <b>2016</b> , 5, 64-75	2.6	86
232	Pollination of the invasive exotic shrub <i>Lupinus arboreus</i> (Fabaceae) by introduced bees in Tasmania. <i>Biological Conservation</i> , <b>2002</b> , 106, 425-434	6.2	85
231	Ecology: Pesticides linked to bird declines. <i>Nature</i> , <b>2014</b> , 511, 295-6	50.4	83
230	Homing ability of the bumblebee <i>Bombus terrestris</i> (Hymenoptera: Apidae). <i>Apidologie</i> , <b>2001</b> , 32, 105-113	1.3	83
229	Diet breadth, coexistence and rarity in bumblebees. <i>Biodiversity and Conservation</i> , <b>2008</b> , 17, 3269-3288	3.4	82
228	Pollinator-friendly management does not increase the diversity of farmland bees and wasps. <i>Biological Conservation</i> , <b>2015</b> , 187, 120-126	6.2	81
227	Selection of a nucleopolyhedrovirus for control of <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae): structural, genetic, and biological comparison of four isolates from the Americas. <i>Journal of Economic Entomology</i> , <b>1999</b> , 92, 1079-85	2.2	81
226	Biotope Associations and the Decline of Bumblebees ( <i>Bombus</i> spp.). <i>Journal of Insect Conservation</i> , <b>2006</b> , 10, 95-103	2.1	80
225	Flower constancy in the hoverflies <i>Episyrphus balteatus</i> (Degeer) and <i>Syrphus ribesii</i> (L.) (Syrphidae). <i>Behavioral Ecology</i> , <b>1998</b> , 9, 213-219	2.3	80
224	A horizon scan of future threats and opportunities for pollinators and pollination. <i>PeerJ</i> , <b>2016</b> , 4, e2249	3.1	80
223	Experimental evidence that wildflower strips increase pollinator visits to crops. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 3523-30	2.8	79
222	Discrimination of Unrewarding Flowers by Bees; Direct Detection of Rewards and Use of Repellent Scent Marks. <i>Journal of Insect Behavior</i> , <b>2001</b> , 14, 669-678	1.1	79

221	Measuring the economic value of pollination services: Principles, evidence and knowledge gaps. <i>Ecosystem Services</i> , <b>2015</b> , 14, 124-132	6.1	78
220	Responses of <i>Mamestra brassicae</i> (Lepidoptera: Noctuidae) to crowding: interactions with disease resistance, colour phase and growth. <i>Oecologia</i> , <b>1995</b> , 104, 416-423	2.9	78
219	Bumblebee nest density and the scale of available forage in arable landscapes. <i>Insect Conservation and Diversity</i> , <b>2009</b> , 2, 116-124	3.8	77
218	Wipfelkrankheit: modification of host behaviour during baculoviral infection. <i>Oecologia</i> , <b>1997</b> , 109, 219-228	2.9	74
217	The insect apocalypse, and why it matters. <i>Current Biology</i> , <b>2019</b> , 29, R967-R971	6.3	73
216	Floral display size in comfrey, <i>Symphytum officinale</i> L. (Boraginaceae): relationships with visitation by three bumblebee species and subsequent seed set. <i>Oecologia</i> , <b>1998</b> , 113, 502-508	2.9	73
215	Fragmented woodlands in agricultural landscapes: The influence of woodland character and landscape context on bats and their insect prey. <i>Agriculture, Ecosystems and Environment</i> , <b>2013</b> , 172, 6-15	5.7	72
214	The Value of Uncropped Field Margins For Foraging Bumblebees. <i>Journal of Insect Conservation</i> , <b>2001</b> , 5, 283-291	2.1	72
213	Quantifying exposure of wild bumblebees to mixtures of agrochemicals in agricultural and urban landscapes. <i>Environmental Pollution</i> , <b>2017</b> , 222, 73-82	9.3	71
212	Potential benefits of commercial willow Short Rotation Coppice (SRC) for farm-scale plant and invertebrate communities in the agri-environment. <i>Biomass and Bioenergy</i> , <b>2011</b> , 35, 325-336	5.3	70
211	Identity and Function of Scent Marks Deposited by Foraging Bumblebees. <i>Journal of Chemical Ecology</i> , <b>2000</b> , 26, 2897-2911	2.7	70
210	Providing foraging resources for solitary bees on farmland: current schemes for pollinators benefit a limited suite of species. <i>Journal of Applied Ecology</i> , <b>2017</b> , 54, 323-333	5.8	68
209	Does cannibalism in <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) reduce the risk of predation?. <i>Behavioral Ecology and Sociobiology</i> , <b>2000</b> , 48, 321-327	2.5	68
208	The effectiveness of agri-environment schemes for the conservation of farmland moths: assessing the importance of a landscape-scale management approach. <i>Journal of Applied Ecology</i> , <b>2011</b> , 48, 532-542	5.8	67
207	Assessing the value of Rural Stewardship schemes for providing foraging resources and nesting habitat for bumblebee queens (Hymenoptera: Apidae). <i>Biological Conservation</i> , <b>2009</b> , 142, 2023-2032	6.2	67
206	The relationship between managed bees and the prevalence of parasites in bumblebees. <i>PeerJ</i> , <b>2014</b> , 2, e522	3.1	67
205	Effects of climate on intra- and interspecific size variation in bumble-bees. <i>Functional Ecology</i> , <b>2005</b> , 19, 145-151	5.6	66
204	Are insects flower constant because they use search images to find flowers?. <i>Oikos</i> , <b>2000</b> , 88, 547-552	4	66

203	Does intraspecific size variation in bumblebees allow colonies to efficiently exploit different flowers?. <i>Ecological Entomology</i> , <b>2005</b> , 30, 176-181	2.1	65
202	The influence of relative plant density and floral morphological complexity on the behaviour of bumblebees. <i>Oecologia</i> , <b>1998</b> , 117, 543-550	2.9	63
201	Predicting calyptate fly populations from the weather, and probable consequences of climate change. <i>Journal of Applied Ecology</i> , <b>2005</b> , 42, 795-804	5.8	63
200	Effects of experience and weather on foraging rate and pollen versus nectar collection in the bumblebee, <i>Bombus terrestris</i> . <i>Behavioral Ecology and Sociobiology</i> , <b>2005</b> , 58, 152-156	2.5	63
199	Determination of larval melanization in the moth, <i>Mamestra brassicae</i> , and the role of melanin in thermoregulation. <i>Heredity</i> , <b>1994</b> , 73, 471-479	3.6	63
198	Using citizen science to monitor <i>Bombus</i> populations in the UK: nesting ecology and relative abundance in the urban environment. <i>Journal of Insect Conservation</i> , <b>2012</b> , 16, 697-707	2.1	62
197	Nectar robbing, forager efficiency and seed set: Bumblebees foraging on the self incompatible plant <i>Linaria vulgaris</i> (Scrophulariaceae). <i>Acta Oecologica</i> , <b>2000</b> , 21, 277-283	1.7	62
196	Predicting bee community responses to land-use changes: Effects of geographic and taxonomic biases. <i>Scientific Reports</i> , <b>2016</b> , 6, 31153	4.9	61
195	Pipistrelle bats and their prey do not benefit from four widely applied agri-environment management prescriptions. <i>Biological Conservation</i> , <b>2011</b> , 144, 2233-2246	6.2	61
194	Mitigating the anthropogenic spread of bee parasites to protect wild pollinators. <i>Biological Conservation</i> , <b>2015</b> , 191, 10-19	6.2	60
193	Maintenance of the Species Boundary between <i>Silene dioica</i> and <i>S. latifolia</i> (Red and White Campion). <i>Oikos</i> , <b>1997</b> , 79, 115	4	58
192	Epigeic Collembola in winter wheat under organic, integrated and conventional farm management regimes. <i>Agriculture, Ecosystems and Environment</i> , <b>2001</b> , 83, 95-110	5.7	58
191	The influence of nectar secretion rates on the responses of bumblebees ( <i>Bombus</i> spp.) to previously visited flowers. <i>Behavioral Ecology and Sociobiology</i> , <b>2002</b> , 52, 239-246	2.5	57
190	Age-related cannibalism and horizontal transmission of a nuclear polyhedrosis virus in larval <i>Spodoptera frugiperda</i> . <i>Ecological Entomology</i> , <b>1999</b> , 24, 268-275	2.1	57
189	The Neonicotinoid Insecticide Thiacloprid Impacts upon Bumblebee Colony Development under Field Conditions. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 1727-1732	10.3	56
188	Variability in bumblebee pollination buzzes affects the quantity of pollen released from flowers. <i>Oecologia</i> , <b>2013</b> , 172, 805-16	2.9	56
187	Are neonicotinoid insecticides driving declines of widespread butterflies?. <i>PeerJ</i> , <b>2015</b> , 3, e1402	3.1	56
186	Comparison of Pesticide Exposure in Honey Bees (Hymenoptera: Apidae) and Bumble Bees (Hymenoptera: Apidae): Implications for Risk Assessments. <i>Environmental Entomology</i> , <b>2019</b> , 48, 12-21	2.1	55

185	Impacts of inbreeding on bumblebee colony fitness under field conditions. <i>BMC Evolutionary Biology</i> , <b>2009</b> , 9, 152	3	54
184	Microsatellite markers to assess the influence of population size, isolation and demographic change on the genetic structure of the UK butterfly <i>Polyommatus bellargus</i> . <i>Molecular Ecology</i> , <b>2003</b> , 12, 3349-57	5.7	54
183	Overplaying the role of honey bees as pollinators: a comment on Aebi and Neumann (2011). <i>Trends in Ecology and Evolution</i> , <b>2012</b> , 27, 141-2; author reply 142-3	10.9	53
182	Foraging strategies in the small skipper butterfly, <i>Thymelicus flavus</i> : when to switch?. <i>Animal Behaviour</i> , <b>1997</b> , 53, 1009-1016	2.8	53
181	Evaluating the effectiveness of wildflower seed mixes for boosting floral diversity and bumblebee and hoverfly abundance in urban areas. <i>Insect Conservation and Diversity</i> , <b>2014</b> , 7, 480-484	3.8	52
180	Chronic neonicotinoid pesticide exposure and parasite stress differentially affects learning in honeybees and bumblebees. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	52
179	Cryptic differences in dispersal lead to differential sensitivity to habitat fragmentation in two bumblebee species. <i>Molecular Ecology</i> , <b>2010</b> , 19, 53-63	5.7	50
178	The contribution of small-scale food production in urban areas to the sustainable development goals: a review and case study. <i>Sustainability Science</i> , <b>2020</b> , 15, 1585-1599	6.4	48
177	Quantifying the impact and relevance of scientific research. <i>PLoS ONE</i> , <b>2011</b> , 6, e27537	3.7	48
176	Neonicotinoids impact bumblebee colony fitness in the field; a reanalysis of the UK Food & Environment Research Agency 2012 experiment. <i>PeerJ</i> , <b>2015</b> , 3, e854	3.1	48
175	The effects of single and mixed infections of <i>Apicystis bombi</i> and deformed wing virus in <i>Bombus terrestris</i> . <i>Parasitology</i> , <b>2016</b> , 143, 358-65	2.7	47
174	Do exotic bumblebees and honeybees compete with native flower-visiting insects in Tasmania?. <i>Journal of Insect Conservation</i> , <b>2002</b> , 6, 179-189	2.1	46
173	Ornamental plants on sale to the public are a significant source of pesticide residues with implications for the health of pollinating insects. <i>Environmental Pollution</i> , <b>2017</b> , 228, 297-304	9.3	45
172	Sensitive determination of mixtures of neonicotinoid and fungicide residues in pollen and single bumblebees using a scaled down QuEChERS method for exposure assessment. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 8151-62	4.4	45
171	Molecular tools and bumble bees: revealing hidden details of ecology and evolution in a model system. <i>Molecular Ecology</i> , <b>2015</b> , 24, 2916-36	5.7	45
170	Choosing rewarding flowers; perceptual limitations and innate preferences influence decision making in bumblebees and honeybees. <i>Behavioral Ecology and Sociobiology</i> , <b>2007</b> , 61, 1523-1529	2.5	45
169	Evaluation of a Baculovirus Bioinsecticide for Small-Scale Maize Growers in Latin America. <i>Biological Control</i> , <b>1999</b> , 14, 67-75	3.8	45
168	Floral abundance and resource quality influence pollinator choice. <i>Insect Conservation and Diversity</i> , <b>2016</b> , 9, 481-494	3.8	44

167	Impacts of non-native bumblebees in Western Europe and North America. <i>Applied Entomology and Zoology</i> , <b>2010</b> , 45, 7-12	1.5	44
166	Analysis of museum specimens suggests extreme genetic drift in the adonis blue butterfly ( <i>Polyommatus bellargus</i> ). <i>Biological Journal of the Linnean Society</i> , <b>2006</b> , 88, 447-452	1.9	43
165	The neonicotinoid insecticide imidacloprid repels pollinating flies and beetles at field-realistic concentrations. <i>PLoS ONE</i> , <b>2013</b> , 8, e54819	3.7	42
164	Pollination biology of fruit-bearing hedgerow plants and the role of flower-visiting insects in fruit-set. <i>Annals of Botany</i> , <b>2009</b> , 104, 1397-404	4.1	40
163	Synergistic interactions between an exotic honeybee and an exotic weed: pollination of <i>Lantana camara</i> in Australia. <i>Weed Research</i> , <b>2004</b> , 44, 195-202	1.9	40
162	Mandibular gland chemistry of grass-cutting ants: species, caste, and colony variation. <i>Journal of Chemical Ecology</i> , <b>2001</b> , 27, 109-24	2.7	40
161	-BEEHAVE: A systems model for exploring multifactorial causes of bumblebee decline at individual, colony, population and community level. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 2790-2801	5.8	39
160	Two bee-pollinated plant species show higher seed production when grown in gardens compared to arable farmland. <i>PLoS ONE</i> , <b>2010</b> , 5, e11753	3.7	39
159	Influence of urbanisation on the prevalence of protozoan parasites of bumblebees. <i>Ecological Entomology</i> , <b>2012</b> , 37, 83-89	2.1	39
158	The benefits of multiple mating to female seaweed flies, <i>Coelopa frigida</i> (Diptera: Coelpidae). <i>Behavioral Ecology and Sociobiology</i> , <b>2005</b> , 58, 128-135	2.5	39
157	Quantifying the food requirements and effects of food stress on bumble bee colony development. <i>Journal of Apicultural Research</i> , <b>2017</b> , 56, 288-299	2	38
156	Using citizen science to monitor pollination services. <i>Ecological Entomology</i> , <b>2015</b> , 40, 3-11	2.1	38
155	Population structure, dispersal and colonization history of the garden bumblebee <i>Bombus hortorum</i> in the Western Isles of Scotland. <i>Conservation Genetics</i> , <b>2011</b> , 12, 867-879	2.6	38
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149	How should conservationists respond to pesticides as a driver of biodiversity loss in agroecosystems?. <i>Biological Conservation</i> , <b>2017</b> , 209, 449-453	6.2	36
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18	Can novel seed mixes provide a more diverse, abundant, earlier, and longer-lasting floral resource for bees than current mixes?. <i>Basic and Applied Ecology</i> , <b>2022</b> ,	3.2	2
17	Effects of chronic exposure to clothianidin on the earthworm. <i>PeerJ</i> , <b>2017</b> , 5, e3177	3.1	2
16	First indication of acetylcholine-based communication in honeybee haemocytes and its modulation by a neonicotinoid insecticide		2
15	Population assessment and foraging ecology of the rare solitary bee Anthophora retusa at Seaford Head Nature reserve. <i>Journal of Insect Conservation</i> , <b>2021</b> , 25, 49-63	2.1	2
14	Stinging risk and sting pain of the ivy bee, Colletes hederæ. <i>Journal of Apicultural Research</i> , <b>2020</b> , 59, 223-231	2	1
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