

Juliet L Osborne

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

7,203
citations

53794

45
h-index

60623

81
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89
all docs

89
docs citations

89
times ranked

6131
citing authors

#	ARTICLE	IF	CITATIONS
1	<scp>CropPol</scp>: A dynamic, open and global database on crop pollination. <i>Ecology</i> , 2022, 103, e3614.	3.2	19
2	Motivations underpinning honeybee management practices: A Q methodology study with UK beekeepers. <i>Ambio</i> , 2022, 51, 2155-2168.	5.5	3
3	Socio-psychological factors, beyond knowledge, predict people's engagement in pollinator conservation. <i>People and Nature</i> , 2021, 3, 204-220.	3.7	28
4	Honey bee colony performance affected by crop diversity and farmland structure: a modeling framework. <i>Ecological Applications</i> , 2021, 31, e02216.	3.8	10
5	Impacts of multiple pollutants on pollinator activity in road verges. <i>Journal of Applied Ecology</i> , 2021, 58, 1017-1029.	4.0	25
6	Spatial extent of road pollution: A national analysis. <i>Science of the Total Environment</i> , 2021, 773, 145589.	8.0	22
7	How can academic research on UK agri-environment schemes pivot to meet the addition of climate mitigation aims?. <i>Land Use Policy</i> , 2021, 106, 105441.	5.6	3
8	BEE-STEWARD: A research and decision support software for effective land management to promote bumblebee populations. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1809-1815.	5.2	5
9	Road verge extent and habitat composition across Great Britain. <i>Landscape and Urban Planning</i> , 2021, 214, 104159.	7.5	5
10	Ecosystem service provision by road verges. <i>Journal of Applied Ecology</i> , 2020, 57, 488-501.	4.0	65
11	Enhancing road verges to aid pollinator conservation: A review. <i>Biological Conservation</i> , 2020, 250, 108687.	4.1	53
12	Quantifying the relative predation pressure on bumblebee nests by the European badger (<i>Meles</i>)	1.9	3
13	Mass-flowering crops have a greater impact than semi-natural habitat on crop pollinators and pollen deposition. <i>Landscape Ecology</i> , 2020, 35, 513-527.	4.2	29
14	Road verges support pollinators in agricultural landscapes, but are diminished by heavy traffic and summer cutting. <i>Journal of Applied Ecology</i> , 2019, 56, 2316-2327.	4.0	53
15	Testing the efficacy of a thermal camera as a search tool for locating wild bumble bee nests. <i>Journal of Apicultural Research</i> , 2019, 58, 494-500.	1.5	3
16	Insights into the impacts of rural honey hunting in Zambia. <i>African Journal of Ecology</i> , 2019, 57, 610-614.	0.9	2
17	Meta-analysis reveals that pollinator functional diversity and abundance enhance crop pollination and yield. <i>Nature Communications</i> , 2019, 10, 1481.	12.8	150
18	Pollinator visitation to mass-flowering courgette and co-flowering wild flowers: Implications for pollination and bee conservation on farms. <i>Basic and Applied Ecology</i> , 2019, 34, 85-94.	2.7	14

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19	<i>Bombus terrestris</i> in a mass-flowering pollinator-dependent crop: A mutualistic relationship? Ecology and Evolution, 2019, 9, 609-618.	1.9	13
20	Shared traits make flies and bees effective pollinators of oilseed rape (<i>Brassica napus</i> L.). Basic and Applied Ecology, 2018, 32, 66-76.	2.7	24
21	Drought reduces floral resources for pollinators. Global Change Biology, 2018, 24, 3226-3235.	9.5	129
22	Monitoring Neonicotinoid Exposure for Bees in Rural and Peri-urban Areas of the U.K. during the Transition from Pre- to Post-moratorium. Environmental Science & Technology, 2018, 52, 9391-9402.	10.0	34
23	Searching for nests of the invasive Asian hornet (<i>Vespa velutina</i>) using radio-telemetry. Communications Biology, 2018, 1, 88.	4.4	51
24	<i>Bumble</i> BEEHAVE: A systems model for exploring multifactorial causes of bumblebee decline at individual, colony, population and community level. Journal of Applied Ecology, 2018, 55, 2790-2801.	4.0	63
25	Modeling Effects of Honeybee Behaviors on the Distribution of Pesticide in Nectar within a Hive and Resultant in-Hive Exposure. Environmental Science & Technology, 2017, 51, 6908-6917.	10.0	15
26	Oilseed rape (<i>Brassica napus</i>) as a resource for farmland insect pollinators: quantifying floral traits in conventional varieties and breeding systems. GCB Bioenergy, 2017, 9, 1370-1379.	5.6	42
27	Quantifying the food requirements and effects of food stress on bumble bee colony development. Journal of Apicultural Research, 2017, 56, 288-299.	1.5	53
28	Predictive systems models can help elucidate bee declines driven by multiple combined stressors. Apidologie, 2017, 48, 328-339.	2.0	40
29	Courgette Production: Pollination Demand, Supply, and Value. Journal of Economic Entomology, 2017, 110, 1973-1979.	1.8	7
30	Re-evaluating strategies for pollinator-dependent crops: How useful is parthenocarpy?. Journal of Applied Ecology, 2017, 54, 1171-1179.	4.0	33
31	Flight performance of actively foraging honey bees is reduced by a common pathogen. Environmental Microbiology Reports, 2016, 8, 728-737.	2.4	44
32	Protecting an Ecosystem Service. Advances in Ecological Research, 2016, 54, 135-206.	2.7	115
33	BEESCOUT: A model of bee scouting behaviour and a software tool for characterizing nectar/pollen landscapes for BEEHAVE. Ecological Modelling, 2016, 340, 126-133.	2.5	48
34	Optimal search patterns in honeybee orientation flights are robust against emerging infectious diseases. Scientific Reports, 2016, 6, 32612.	3.3	23
35	Multiple stressors: using the honeybee model BEEHAVE to explore how spatial and temporal forage stress affects colony resilience. Oikos, 2016, 125, 1001-1016.	2.7	57
36	Effects of an agri-environment scheme on bumblebee reproduction at local and landscape scales. Basic and Applied Ecology, 2015, 16, 519-530.	2.7	61

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37	Predicting Honeybee Colony Failure: Using the BEEHAVE Model to Simulate Colony Responses to Pesticides. <i>Environmental Science & Technology</i> , 2015, 49, 12879-12887.	10.0	38
38	So Near and Yet So Far: Harmonic Radar Reveals Reduced Homing Ability of Nosema Infected Honeybees. <i>PLoS ONE</i> , 2014, 9, e103989.	2.5	108
39	<sc>BEEHAVE</sc>: a systems model of honeybee colony dynamics and foraging to explore multifactorial causes of colony failure. <i>Journal of Applied Ecology</i> , 2014, 51, 470-482.	4.0	219
40	Disease associations between honeybees and bumblebees as a threat to wild pollinators. <i>Nature</i> , 2014, 506, 364-366.	27.8	520
41	Identifying key knowledge needs for evidence-based conservation of wild insect pollinators: a collaborative cross-sectoral exercise. <i>Insect Conservation and Diversity</i> , 2013, 6, 435-446.	3.0	61
42	Effects of non-host plant odour on <i>Meligethes aeneus</i> during immigration to oilseed rape. <i>Entomologia Experimentalis Et Applicata</i> , 2013, 146, 313-320.	1.4	13
43	REVIEW: Towards a systems approach for understanding honeybee decline: a stocktaking and synthesis of existing models. <i>Journal of Applied Ecology</i> , 2013, 50, 868-880.	4.0	154
44	The Ontogeny of Bumblebee Flight Trajectories: From Naïve Explorers to Experienced Foragers. <i>PLoS ONE</i> , 2013, 8, e78681.	2.5	68
45	A Strong Immune Response in Young Adult Honeybees Masks Their Increased Susceptibility to Infection Compared to Older Bees. <i>PLoS Pathogens</i> , 2012, 8, e1003083.	4.7	70
46	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> , 2012, 16, 697-707.	1.4	79
47	Bumblebees and pesticides. <i>Nature</i> , 2012, 491, 43-45.	27.8	53
48	Bumble bee species' responses to a targeted conservation measure depend on landscape context and habitat quality. , 2011, 21, 1760-1771.		129
49	Impacts of the Use of Nonnative Commercial Bumble Bees for Pollinator Supplementation in Raspberry. <i>Journal of Economic Entomology</i> , 2011, 104, 107-114.	1.8	44
50	Pollinator effectiveness and fruit set in common ivy, <i>Hedera helix</i> (Araliaceae). <i>Arthropod-Plant Interactions</i> , 2010, 4, 19-28.	1.1	46
51	Estimation of bumblebee queen dispersal distances using sibship reconstruction method. <i>Molecular Ecology</i> , 2010, 19, 819-831.	3.9	142
52	Effects of land use at a landscape scale on bumblebee nest density and survival. <i>Journal of Applied Ecology</i> , 2010, 47, 1207-1215.	4.0	169
53	Two Bee-Pollinated Plant Species Show Higher Seed Production when Grown in Gardens Compared to Arable Farmland. <i>PLoS ONE</i> , 2010, 5, e11753.	2.5	46
54	Pollination biology of fruit-bearing hedgerow plants and the role of flower-visiting insects in fruit-set. <i>Annals of Botany</i> , 2009, 104, 1397-1404.	2.9	53

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55	Honeybees use a Lévy flight search strategy and odour-mediated anemotaxis to relocate food sources. <i>Behavioral Ecology and Sociobiology</i> , 2009, 64, 115-123.	1.4	48
56	Bumblebee nest density and the scale of available forage in arable landscapes. <i>Insect Conservation and Diversity</i> , 2009, 2, 116-124.	3.0	86
57	Bumblebee vulnerability and conservation world-wide. <i>Apidologie</i> , 2009, 40, 367-387.	2.0	442
58	Flight metabolic rate and <i>Pgi</i> genotype influence butterfly dispersal rate in the field. <i>Ecology</i> , 2009, 90, 2223-2232.	3.2	159
59	Assessing the value of Rural Stewardship schemes for providing foraging resources and nesting habitat for bumblebee queens (Hymenoptera: Apidae). <i>Biological Conservation</i> , 2009, 142, 2023-2032.	4.1	84
60	Quantifying and comparing bumblebee nest densities in gardens and countryside habitats. <i>Journal of Applied Ecology</i> , 2008, 45, 784-792.	4.0	219
61	Prediction of Pollen-Mediated Gene Flow Between Fields of Red Clover (<i>Trifolium pratense</i>). <i>Environmental Modeling and Assessment</i> , 2008, 13, 483-490.	2.2	7
62	Electrophysiological and behavioural responses of the pollen beetle, <i>Meligethes aeneus</i> , to volatiles from a non-host plant, lavender, <i>Lavandula angustifolia</i> (Lamiaceae). <i>Arthropod-Plant Interactions</i> , 2008, 2, 109-115.	1.1	17
63	Development and validation of gas chromatography and real-time quantitative PCR for the quantification of landscape-scale gene flow from varieties of high erucic acid (HEAR) oilseed rape. <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 2253-2264.	3.5	5
64	Bumblebee flight distances in relation to the forage landscape. <i>Journal of Animal Ecology</i> , 2008, 77, 406-415.	2.8	330
65	Tracking butterfly movements with harmonic radar reveals an effect of population age on movement distance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19090-19095.	7.1	114
66	Honeybees perform optimal scale-free searching flights when attempting to locate a food source. <i>Journal of Experimental Biology</i> , 2007, 210, 3763-3770.	1.7	167
67	Landscape context not patch size determines bumble-bee density on flower mixtures sown for agri-environment schemes. <i>Biology Letters</i> , 2007, 3, 638-641.	2.3	121
68	An interspecific comparison of foraging range and nest density of four bumblebee (<i>Bombus</i>) species. <i>Molecular Ecology</i> , 2005, 14, 1811-1820.	3.9	304
69	The effects of non-host plant essential oil volatiles on the behaviour of the pollen beetle <i>Meligethes aeneus</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2005, 114, 181-188.	1.4	69
70	Effects on weed and invertebrate abundance and diversity of herbicide management in genetically modified herbicide-tolerant winter-sown oilseed rape. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 463-474.	2.6	82
71	Tracking butterfly flight paths across the landscape with harmonic radar. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 785-790.	2.6	122
72	ICPBR news. <i>Bee World</i> , 2005, 86, 21-21.	0.8	0

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73	Feeding responses of carabid beetles to dimethoate-contaminated prey. <i>Agricultural and Forest Entomology</i> , 2004, 6, 99-104.	1.3	15
74	The effect of patch size and separation on bumblebee foraging in oilseed rape: implications for gene flow. <i>Journal of Applied Ecology</i> , 2004, 41, 539-546.	4.0	85
75	A model of pollinator-mediated gene flow between plant populations with numerical solutions for bumblebees pollinating oilseed rape. <i>Oikos</i> , 2002, 98, 375-384.	2.7	69
76	Site constancy of bumble bees in an experimentally patchy habitat. <i>Agriculture, Ecosystems and Environment</i> , 2001, 83, 129-141.	5.3	58
77	Ontogeny of orientation flight in the honeybee revealed by harmonic radar. <i>Nature</i> , 2000, 403, 537-540.	27.8	289
78	An economic model of the limits to foraging range in central place foragers with numerical solutions for bumblebees. <i>Ecological Entomology</i> , 2000, 25, 249-255.	2.2	134
79	Borage. <i>Bee World</i> , 1999, 80, 33-36.	0.8	6
80	Compensation for wind drift by bumble-bees. <i>Nature</i> , 1999, 400, 126-126.	27.8	95
81	Tracking bees with radar. <i>Bee World</i> , 1999, 80, 124-131.	0.8	7
82	Nectar and flower production in <i>Vicia faba</i> L. (field bean) at ambient and elevated carbon dioxide. <i>Apidologie</i> , 1997, 28, 43-55.	2.0	32
83	Science round-up. <i>Bee World</i> , 1996, 77, 57-63.	0.8	0
84	Tracking bees with harmonic radar. <i>Nature</i> , 1996, 379, 29-30.	27.8	260
85	Bees and the Pollination of Crops and Wild Flowers in the European Community. <i>Bee World</i> , 1991, 72, 47-59.	0.8	293
86	Bees, Pollination and Habitat Change in the European Community. <i>Bee World</i> , 1991, 72, 99-116.	0.8	76
87	Beekeeping, Wild Bees and Pollination in the European Community. <i>Bee World</i> , 1991, 72, 170-180.	0.8	49