

Jonathan Storkey

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

4,503
citations

136740

32
h-index

110170

64
g-index

77
all docs

77
docs citations

77
times ranked

6485
citing authors

#	ARTICLE	IF	CITATIONS
1	An Integrated Weed Management framework: A pan-European perspective. <i>European Journal of Agronomy</i> , 2022, 133, 126443.	1.9	49
2	Communicating carabids: Engaging farmers to encourage uptake of integrated pest management. <i>Pest Management Science</i> , 2022, 78, 2477-2491.	1.7	8
3	Long-term evidence for ecological intensification as a pathway to sustainable agriculture. <i>Nature Sustainability</i> , 2022, 5, 770-779.	11.5	48
4	Above- and below-ground assessment of carabid community responses to crop type and tillage. <i>Agricultural and Forest Entomology</i> , 2021, 23, 1-12.	0.7	13
5	Do ecological specialization and functional traits explain the abundance-frequency relationship? Arable weeds as a case study. <i>Journal of Biogeography</i> , 2021, 48, 37-50.	1.4	7
6	Population responses to observed climate variability across multiple organismal groups. <i>Oikos</i> , 2021, 130, 476-487.	1.2	7
7	Agricultural intensification and climate change have increased the threat from weeds. <i>Global Change Biology</i> , 2021, 27, 2416-2425.	4.2	27
8	Functional biogeography of weeds reveals how anthropogenic management blurs trait-climate relationships. <i>Journal of Vegetation Science</i> , 2021, 32, e12999.	1.1	3
9	Defining Integrated Weed Management: A Novel Conceptual Framework for Models. <i>Agronomy</i> , 2021, 11, 747.	1.3	6
10	Weed seedbank diversity and sustainability indicators for simple and more diverse cropping systems. <i>Weed Research</i> , 2021, 61, 164-177.	0.8	11
11	The Mineral Composition of Wild-Type and Cultivated Varieties of Pasture Species. <i>Agronomy</i> , 2020, 10, 1463.	1.3	12
12	An ecological future for weed science to sustain crop production and the environment. A review. <i>Agronomy for Sustainable Development</i> , 2020, 40, 1.	2.2	148
13	Century long fertilization reduces stochasticity controlling grassland microbial community succession. <i>Soil Biology and Biochemistry</i> , 2020, 151, 108023.	4.2	60
14	Using functional traits to model annual plant community dynamics. <i>Ecology</i> , 2020, 101, e03167.	1.5	6
15	Ecological Specialization and Rarity of Arable Weeds: Insights from a Comprehensive Survey in France. <i>Plants</i> , 2020, 9, 824.	1.6	10
16	Weeds: Against the Rules?. <i>Trends in Plant Science</i> , 2020, 25, 1107-1116.	4.3	25
17	Wild Pollinators in Arable Habitats: Trends, Threats and Opportunities. , 2020, , 187-201.		1
18	Optimizing the choice of service crops in vineyards to achieve both runoff mitigation and water provisioning for grapevine: a trait-based approach. <i>Plant and Soil</i> , 2020, 452, 87-104.	1.8	13

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19	IWM PRAISE – An EU Horizon 2020 Project Providing Integrated Weed Management Solutions to European Farmers. <i>Outlooks on Pest Management</i> , 2020, 31, 152-159.	0.1	4
20	A Weed’s Eye View of Arable Habitats. , 2020, , 17-29.		0
21	The Future of Europe’s Arable Wildlife. , 2020, , 353-364.		0
22	Livestock in diverse cropping systems improve weed management and sustain yields whilst reducing inputs. <i>Journal of Applied Ecology</i> , 2019, 56, 144-156.	1.9	48
23	Species matter when considering landscape effects on carabid distributions. <i>Agriculture, Ecosystems and Environment</i> , 2019, 285, 106631.	2.5	22
24	The contribution of spatial mass effects to plant diversity in arable fields. <i>Journal of Applied Ecology</i> , 2019, 56, 1560-1574.	1.9	31
25	Alley cropping agroforestry systems: Reservoirs for weeds or refugia for plant diversity?. <i>Agriculture, Ecosystems and Environment</i> , 2019, 284, 106584.	2.5	28
26	Plant-microbe networks in soil are weakened by century-long use of inorganic fertilizers. <i>Microbial Biotechnology</i> , 2019, 12, 1464-1475.	2.0	77
27	Modelling the effect of spatially variable soil properties on the distribution of weeds. <i>Ecological Modelling</i> , 2019, 396, 1-11.	1.2	9
28	What makes a weed a weed? A large-scale evaluation of arable weeds through a functional lens. <i>American Journal of Botany</i> , 2019, 106, 90-100.	0.8	63
29	The Future of Sustainable Crop Protection Relies on Increased Diversity of Cropping Systems and Landscapes. , 2019, , 199-209.		17
30	Understanding how changing soil nitrogen affects plant-pollinator interactions. <i>Arthropod-Plant Interactions</i> , 2019, 13, 671-684.	0.5	35
31	Reviewing research priorities in weed ecology, evolution and management: a horizon scan. <i>Weed Research</i> , 2018, 58, 250-258.	0.8	78
32	Using the response-effect trait framework to quantify the value of fallow patches in agricultural landscapes to pollinators. <i>Applied Vegetation Science</i> , 2018, 21, 267-277.	0.9	11
33	Atmospheric nitrogen deposition in terrestrial ecosystems: Its impact on plant communities and consequences across trophic levels. <i>Functional Ecology</i> , 2018, 32, 1757-1769.	1.7	116
34	Defining the habitat niche of <i>Alopecurus myosuroides</i> at the field scale. <i>Weed Research</i> , 2018, 58, 165-176.	0.8	15
35	The implications of spatially variable pre-emergence herbicide efficacy for weed management. <i>Pest Management Science</i> , 2018, 74, 755-765.	1.7	11
36	What good is weed diversity?. <i>Weed Research</i> , 2018, 58, 239-243.	0.8	144

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37	Spatial Analysis of Digital Imagery of Weeds in a Maize Crop. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 61.	1.4	5
38	Cover cropping with oilseed radish (<i>Raphanus sativus</i>) alone does not enhance deep burrowing earthworm (<i>Lumbricus terrestris</i>) midden counts. <i>Soil and Tillage Research</i> , 2017, 165, 11-15.	2.6	13
39	Using simulation models to investigate the cumulative effects of sowing rate, sowing date and cultivar choice on weed competition. <i>Crop Protection</i> , 2017, 95, 109-115.	1.0	16
40	Climate Change and Future Pollen Allergy in Europe. <i>Environmental Health Perspectives</i> , 2017, 125, 385-391.	2.8	216
41	Weeds in Organic Fertility-Building Leys: Aspects of Species Richness and Weed Management. <i>Organic Farming</i> , 2017, 3, 51-65.	0.3	8
42	The Unique Contribution of Rothamsted to Ecological Research at Large Temporal Scales. <i>Advances in Ecological Research</i> , 2016, , 3-42.	1.4	31
43	Designing a sampling scheme to reveal correlations between weeds and soil properties at multiple spatial scales. <i>Weed Research</i> , 2016, 56, 1-13.	0.8	17
44	Stocks and flows of natural and human-derived capital in ecosystem services. <i>Land Use Policy</i> , 2016, 52, 151-162.	2.5	155
45	Engineering a plant community to deliver multiple ecosystem services. <i>Ecological Applications</i> , 2015, 25, 1034-1043.	1.8	83
46	Effects of climate change and seed dispersal on airborne ragweed pollen loads in Europe. <i>Nature Climate Change</i> , 2015, 5, 766-771.	8.1	147
47	A review of the potential for competitive cereal cultivars as a tool in integrated weed management. <i>Weed Research</i> , 2015, 55, 239-248.	0.8	161
48	Managing habitats on English farmland for insect pollinator conservation. <i>Biological Conservation</i> , 2015, 182, 215-222.	1.9	51
49	Over 150 Years of Long-Term Fertilization Alters Spatial Scaling of Microbial Biodiversity. <i>MBio</i> , 2015, 6, .	1.8	57
50	Combining a weed traits database with a population dynamics model predicts shifts in weed communities. <i>Weed Research</i> , 2015, 55, 206-218.	0.8	20
51	Grassland biodiversity bounces back from long-term nitrogen addition. <i>Nature</i> , 2015, 528, 401-404.	13.7	133
52	A Process-Based Approach to Predicting the Effect of Climate Change on the Distribution of an Invasive Allergenic Plant in Europe. <i>PLoS ONE</i> , 2014, 9, e88156.	1.1	99
53	Can the storage effect hypothesis explain weed coexistence on the Broadbalk long-term fertiliser experiment?. <i>Weed Research</i> , 2014, 54, 445-456.	0.8	9
54	Utilisation of agri-environment scheme habitats to enhance invertebrate ecosystem service providers. <i>Agriculture, Ecosystems and Environment</i> , 2014, 183, 103-109.	2.5	31

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55	Seed germination response to temperature for a range of international populations of <i>Onyza canadensis</i> . <i>Weed Research</i> , 2014, 54, 178-185.	0.8	31
56	Using functional traits to quantify the value of plant communities to invertebrate ecosystem service providers in arable landscapes. <i>Journal of Ecology</i> , 2013, 101, 38-46.	1.9	55
57	A novel framework for linking functional diversity of plants with other trophic levels for the quantification of ecosystem services. <i>Journal of Vegetation Science</i> , 2013, 24, 942-948.	1.1	209
58	The impact of agricultural intensification and land-use change on the European arable flora. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1421-1429.	1.2	277
59	Trophic links between functional groups of arable plants and beetles are stable at a national scale. <i>Journal of Animal Ecology</i> , 2012, 81, 4-13.	1.3	37
60	A process-based approach to modelling impacts of climate change on the damage niche of an agricultural weed. <i>Global Change Biology</i> , 2012, 18, 2071-2080.	4.2	45
61	Effects of the proportion and spatial arrangement of uncropped land on breeding bird abundance in arable rotations. <i>Journal of Applied Ecology</i> , 2012, 49, 883-891.	1.9	30
62	Towards an assessment of multiple ecosystem processes and services via functional traits. <i>Biodiversity and Conservation</i> , 2010, 19, 2873-2893.	1.2	759
63	Using Assembly Theory to Explain Changes in a Weed Flora in Response to Agricultural Intensification. <i>Weed Science</i> , 2010, 58, 39-46.	0.8	129
64	A cross-taxonomic index for quantifying the health of farmland biodiversity. <i>Journal of Applied Ecology</i> , 2009, 46, 1154-1162.	1.9	47
65	Providing the evidence base for environmental risk assessments of novel farm management practices. <i>Environmental Science and Policy</i> , 2008, 11, 579-587.	2.4	19
66	Managing arable weeds for biodiversity. <i>Pest Management Science</i> , 2007, 63, 517-523.	1.7	104
67	Reconciling the conservation of in-field biodiversity with crop production using a simulation model of weed growth and competition. <i>Agriculture, Ecosystems and Environment</i> , 2007, 122, 173-182.	2.5	42
68	A functional group approach to the management of UK arable weeds to support biological diversity. <i>Weed Research</i> , 2006, 46, 513-522.	0.8	124
69	Modelling assimilation rates of 14 temperate arable weed species as a function of the environment and leaf traits. <i>Weed Research</i> , 2005, 45, 361-370.	0.8	23
70	Modelling Seedling Growth Rates of 18 Temperate Arable Weed Species as a Function of the Environment and Plant Traits. <i>Annals of Botany</i> , 2004, 93, 681-689.	1.4	37
71	Symposium The Broadbalk long-term experiment at Rothamsted: what has it told us about weeds?. <i>Weed Science</i> , 2004, 52, 864-873.	0.8	83
72	The combination of a simulation and an empirical model of crop/weed competition to estimate yield loss from <i>Alopecurus myosuroides</i> in winter wheat. <i>Field Crops Research</i> , 2003, 84, 291-301.	2.3	15

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73	Relationship between temperature and the early growth of <i>Triticum aestivum</i> and three weed species. <i>Weed Science</i> , 2000, 48, 467-473.	0.8	17