

Claire Kremen

List of Publications by Year in Descending Order

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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.

137 papers	29,062 citations	70 h-index	146 g-index
146 ext. papers	34,756 ext. citations	9 avg, IF	7.35 L-index

#	Paper	IF	Citations
137	Semi-natural habitat surrounding farms promotes multifunctionality in avian ecosystem services. <i>Journal of Applied Ecology</i> , 2022 , 59, 898-908	5.8	0
136	Social-ecological feedbacks drive tipping points in farming system diversification. <i>One Earth</i> , 2022 , 5, 283-292	8.1	1
135	Pesticide exposure of wild bees and honey bees foraging from field border flowers in intensively managed agriculture areas.. <i>Science of the Total Environment</i> , 2022 , 154697	10.2	2
134	Functional connectivity of the world's protected areas. <i>Science</i> , 2022 , 376, 1101-1104	33.3	8
133	Narrow and Brittle or Broad and Nimble? Comparing Adaptive Capacity in Simplifying and Diversifying Farming Systems. <i>Frontiers in Sustainable Food Systems</i> , 2021 , 5,	4.8	6
132	Pollinator interaction flexibility across scales affects patch colonization and occupancy. <i>Nature Ecology and Evolution</i> , 2021 , 5, 787-793	12.3	1
131	Crop diversity enriches arbuscular mycorrhizal fungal communities in an intensive agricultural landscape. <i>New Phytologist</i> , 2021 , 231, 447-459	9.8	11
130	Time to Integrate Pollinator Science into Soybean Production. <i>Trends in Ecology and Evolution</i> , 2021 , 36, 573-575	10.9	6
129	Working landscapes need at least 20% native habitat. <i>Conservation Letters</i> , 2021 , 14, e12773	6.9	32
128	Building effective policies to conserve pollinators: translating knowledge into policy. <i>Current Opinion in Insect Science</i> , 2021 , 46, 64-71	5.1	8
127	CropPol: a dynamic, open and global database on crop pollination.. <i>Ecology</i> , 2021 , e3614	4.6	2
126	Agricultural diversification promotes multiple ecosystem services without compromising yield. <i>Science Advances</i> , 2020 , 6,	14.3	127
125	Shifts in species interactions and farming contexts mediate net effects of birds in agroecosystems. <i>Ecological Applications</i> , 2020 , 30, e02115	4.9	16
124	Ecological intensification and diversification approaches to maintain biodiversity, ecosystem services and food production in a changing world. <i>Emerging Topics in Life Sciences</i> , 2020 , 4, 229-240	3.5	17
123	Integrating agroecological production in a robust post-2020 Global Biodiversity Framework. <i>Nature Ecology and Evolution</i> , 2020 , 4, 1150-1152	12.3	23
122	The effectiveness of flower strips and hedgerows on pest control, pollination services and crop yield: a quantitative synthesis. <i>Ecology Letters</i> , 2020 , 23, 1488-1498	10	115
121	Evidence Synthesis as the Basis for Decision Analysis: A Method of Selecting the Best Agricultural Practices for Multiple Ecosystem Services. <i>Frontiers in Sustainable Food Systems</i> , 2019 , 3,	4.8	12

120	On-Farm Diversification in an Agriculturally-Dominated Landscape Positively Influences Specialist Pollinators. <i>Frontiers in Sustainable Food Systems</i> , 2019 , 3,	4.8	10
119	Bird services and disservices to strawberry farming in Californian agricultural landscapes. <i>Journal of Applied Ecology</i> , 2019 , 56, 1948-1959	5.8	18
118	Response. <i>Science</i> , 2019 , 363, 1048	33.3	1
117	Proximity of restored hedgerows interacts with local floral diversity and species' traits to shape long-term pollinator metacommunity dynamics. <i>Ecology Letters</i> , 2019 , 22, 1048-1060	10	23
116	Rethinking spatial costs and benefits of fisheries in marine conservation. <i>Ocean and Coastal Management</i> , 2019 , 178, 104824	3.9	4
115	A global synthesis reveals biodiversity-mediated benefits for crop production. <i>Science Advances</i> , 2019 , 5, eaax0121	14.3	259
114	Evolving Food Safety Pressures in California's Central Coast Region. <i>Frontiers in Sustainable Food Systems</i> , 2019 , 3,	4.8	15
113	Trends in Global Agricultural Land Use: Implications for Environmental Health and Food Security. <i>Annual Review of Plant Biology</i> , 2018 , 69, 789-815	30.7	286
112	The value of pollinator species diversity. <i>Science</i> , 2018 , 359, 741-742	33.3	20
111	Effect of oil palm sustainability certification on deforestation and fire in Indonesia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 121-126	11.5	140
110	Pollination Requirements of Almond (<i>Prunus dulcis</i>): Combining Laboratory and Field Experiments. <i>Journal of Economic Entomology</i> , 2018 , 111, 1006-1013	2.2	9
109	Pollinator Community Assembly Tracks Changes in Floral Resources as Restored Hedgerows Mature in Agricultural Landscapes. <i>Frontiers in Ecology and Evolution</i> , 2018 , 6,	3.7	25
108	Landscapes that work for biodiversity and people. <i>Science</i> , 2018 , 362,	33.3	344
107	Merging paleobiology with conservation biology to guide the future of terrestrial ecosystems. <i>Science</i> , 2017 , 355,	33.3	169
106	A global synthesis of the effects of diversified farming systems on arthropod diversity within fields and across agricultural landscapes. <i>Global Change Biology</i> , 2017 , 23, 4946-4957	11.4	170
105	Links between food insecurity and the unsustainable hunting of wildlife in a UNESCO world heritage site in Madagascar. <i>Lancet, The</i> , 2017 , 389, S3	40	4
104	The relative importance of pollinator abundance and species richness for the temporal variance of pollination services. <i>Ecology</i> , 2017 , 98, 1807-1816	4.6	20
103	Cohort Profile: The Madagascar Health and Environmental Research (MAHERY) study in north-eastern Madagascar. <i>International Journal of Epidemiology</i> , 2017 , 46, 1747-1748d	7.8	11

102	Benefits of increasing plant diversity in sustainable agroecosystems. <i>Journal of Ecology</i> , 2017 , 105, 871-879	221
101	Ecological intensification to mitigate impacts of conventional intensive land use on pollinators and pollination. <i>Ecology Letters</i> , 2017 , 20, 673-689	10 151
100	Opportunistic attachment assembles plant-pollinator networks. <i>Ecology Letters</i> , 2017 , 20, 1261-1272	10 48
99	A Tool for Selecting Plants When Restoring Habitat for Pollinators. <i>Conservation Letters</i> , 2017 , 10, 105-111	10 40
98	Estimating resource preferences of a native bumblebee: the effects of availability and use-availability models on preference estimates. <i>Oikos</i> , 2017 , 126, 633-641	4 9
97	Irrigation method does not affect wild bee pollinators of hybrid sunflower. <i>California Agriculture</i> , 2017 , 71, 35-40	1.1
96	Effects of forest and cave proximity on fruit set of tree crops in tropical orchards in Southern Thailand. <i>Journal of Tropical Ecology</i> , 2016 , 32, 269-279	1.3 25
95	Temporal dynamics influenced by global change: bee community phenology in urban, agricultural, and natural landscapes. <i>Global Change Biology</i> , 2016 , 22, 1046-53	11.4 40
94	System-level approach needed to evaluate the transition to more sustainable agriculture. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4 16
93	A horizon scan of future threats and opportunities for pollinators and pollination. <i>PeerJ</i> , 2016 , 4, e2249	3.1 80
92	On-farm habitat restoration counters biotic homogenization in intensively managed agriculture. <i>Global Change Biology</i> , 2016 , 22, 704-15	11.4 68
91	Hedgerow presence does not enhance indicators of nest-site habitat quality or nesting rates of ground-nesting bees. <i>Restoration Ecology</i> , 2016 , 24, 499-505	3.1 27
90	Pyrodiversity begets plant-pollinator community diversity. <i>Global Change Biology</i> , 2016 , 22, 1794-808	11.4 93
89	Sunflower (<i>Helianthus annuus</i>) pollination in California's Central Valley is limited by native bee nest site location. <i>Ecological Applications</i> , 2016 , 26, 438-47	4.9 28
88	Agricultural practices for food safety threaten pest control services for fresh produce. <i>Journal of Applied Ecology</i> , 2016 , 53, 1402-1412	5.8 31
87	Pest Control and Pollination Cost-Benefit Analysis of Hedgerow Restoration in a Simplified Agricultural Landscape. <i>Journal of Economic Entomology</i> , 2016 , 109, 1020-1027	2.2 72
86	Sustainability. Systems integration for global sustainability. <i>Science</i> , 2015 , 347, 1258832	33.3 612
85	EDITOR'S CHOICE: Small-scale restoration in intensive agricultural landscapes supports more specialized and less mobile pollinator species. <i>Journal of Applied Ecology</i> , 2015 , 52, 602-610	5.8 108

84	Functional traits in agriculture: agrobiodiversity and ecosystem services. <i>Trends in Ecology and Evolution</i> , 2015 , 30, 531-9	10.9	203
83	Delivery of crop pollination services is an insufficient argument for wild pollinator conservation. <i>Nature Communications</i> , 2015 , 6, 7414	17.4	476
82	Pollination services from field-scale agricultural diversification may be context-dependent. <i>Agriculture, Ecosystems and Environment</i> , 2015 , 207, 17-25	5.7	58
81	Contrasting patterns in species and functional-trait diversity of bees in an agricultural landscape. <i>Journal of Applied Ecology</i> , 2015 , 52, 706-715	5.8	93
80	Comanaging fresh produce for nature conservation and food safety. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11126-31	11.5	54
79	Diversification practices reduce organic to conventional yield gap. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20141396	4.4	345
78	Interacting effects of pollination, water and nutrients on fruit tree performance. <i>Plant Biology</i> , 2015 , 17, 201-8	3.7	58
77	Population genetic structure of the predatory, social wasp <i>Vespula pensylvanica</i> in its native and invasive range. <i>Ecology and Evolution</i> , 2015 , 5, 5573-87	2.8	11
76	Reframing the land-sparing/land-sharing debate for biodiversity conservation. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1355, 52-76	6.5	211
75	EDITOR'S CHOICE: REVIEW: Trait matching of flower visitors and crops predicts fruit set better than trait diversity. <i>Journal of Applied Ecology</i> , 2015 , 52, 1436-1444	5.8	102
74	Bumble bees selectively use native and exotic species to maintain nutritional intake across highly variable and invaded local floral resource pools. <i>Ecological Entomology</i> , 2015 , 40, 471-478	2.1	27
73	Habitat restoration promotes pollinator persistence and colonization in intensively managed agriculture 2015 , 25, 1557-65		94
72	The Unintended Ecological and Social Impacts of Food Safety Regulations in California's Central Coast Region. <i>BioScience</i> , 2015 , 65, 1173-1183	5.7	28
71	Pollination and plant resources change the nutritional quality of almonds for human health. <i>PLoS ONE</i> , 2014 , 9, e90082	3.7	38
70	From research to action: enhancing crop yield through wild pollinators. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 439-447	5.5	267
69	Loss of avian phylogenetic diversity in neotropical agricultural systems. <i>Science</i> , 2014 , 345, 1343-6	33.3	152
68	Species abundance, not diet breadth, drives the persistence of the most linked pollinators as plant-pollinator networks disassemble. <i>American Naturalist</i> , 2014 , 183, 600-11	3.7	38
67	Evaluating nesting microhabitat for ground-nesting bees using emergence traps. <i>Basic and Applied Ecology</i> , 2014 , 15, 161-168	3.2	58

66	Hedgerows enhance beneficial insects on adjacent tomato fields in an intensive agricultural landscape. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 189, 164-170	5.7	81
65	Pollinator interactions with yellow starthistle (<i>Centaurea solstitialis</i>) across urban, agricultural, and natural landscapes. <i>PLoS ONE</i> , 2014 , 9, e86357	3.7	38
64	Competitive impacts of an invasive nectar thief on plant-pollinator mutualisms. <i>Ecology</i> , 2014 , 95, 1622-1626	3.2	17
63	Economic valuation of subsistence harvest of wildlife in Madagascar. <i>Conservation Biology</i> , 2014 , 28, 234-43	6	59
62	Urban land use limits regional bumble bee gene flow. <i>Molecular Ecology</i> , 2013 , 22, 2483-95	5.7	83
61	Detecting pest control services across spatial and temporal scales. <i>Agriculture, Ecosystems and Environment</i> , 2013 , 181, 206-212	5.7	63
60	Invasive species management restores a plant-pollinator mutualism in Hawaii. <i>Journal of Applied Ecology</i> , 2013 , 50, 147-155	5.8	52
59	Resource diversity and landscape-level homogeneity drive native bee foraging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 555-8	11.5	161
58	Biodiversity buffers pollination from changes in environmental conditions. <i>Global Change Biology</i> , 2013 , 19, 540-7	11.4	135
57	Wild pollinators enhance fruit set of crops regardless of honey bee abundance. <i>Science</i> , 2013 , 339, 1608-1613	3.3	1309
56	A global quantitative synthesis of local and landscape effects on wild bee pollinators in agroecosystems. <i>Ecology Letters</i> , 2013 , 16, 584-99	10	625
55	Hedgerow restoration promotes pollinator populations and exports native bees to adjacent fields		211
	2013 , 23, 829-39		
54	Bee Preference for Native versus Exotic Plants in Restored Agricultural Hedgerows. <i>Restoration Ecology</i> , 2013 , 21, 26-32	3.1	61
53	Bumble bee pollen use and preference across spatial scales in human-altered landscapes. <i>Ecological Entomology</i> , 2013 , 38, 570-579	2.1	22
52	Synergistic effects of non-Apis bees and honey bees for pollination services. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20122767	4.4	221
51	Diversified Farming Systems: An Agroecological, Systems-based Alternative to Modern Industrial Agriculture. <i>Ecology and Society</i> , 2012 , 17,	4.1	252
50	Wild pollination services to California almond rely on semi-natural habitat. <i>Journal of Applied Ecology</i> , 2012 , 49, no-no	5.8	49
49	Landscape moderation of biodiversity patterns and processes - eight hypotheses. <i>Biological Reviews</i> , 2012 , 87, 661-85	13.5	1121

48	Landscape-scale resources promote colony growth but not reproductive performance of bumble bees. <i>Ecology</i> , 2012 , 93, 1049-58	4.6	149
47	Pest control experiments show benefits of complexity at landscape and local scales 2012 , 22, 1936-48		85
46	Comparison of marine spatial planning methods in Madagascar demonstrates value of alternative approaches. <i>PLoS ONE</i> , 2012 , 7, e28969	3.7	38
45	Rainforest pharmacopeia in Madagascar provides high value for current local and prospective global uses. <i>PLoS ONE</i> , 2012 , 7, e41221	3.7	10
44	Short- and long-term control of <i>Vespula pensylvanica</i> in Hawaii by fipronil baiting. <i>Pest Management Science</i> , 2012 , 68, 1026-33	4.6	31
43	Ecosystem Services in Biologically Diversified versus Conventional Farming Systems: Benefits, Externalities, and Trade-Offs. <i>Ecology and Society</i> , 2012 , 17,	4.1	444
42	Conservation: limits of land sparing. <i>Science</i> , 2011 , 334, 593; author reply 594-5	33.3	93
41	Reconnecting plants and pollinators: challenges in the restoration of pollination mutualisms. <i>Trends in Plant Science</i> , 2011 , 16, 4-12	13.1	223
40	Value of Wildland Habitat for Supplying Pollination Services to Californian Agriculture. <i>Rangelands</i> , 2011 , 33, 33-41	1.1	36
39	A meta-analysis of crop pest and natural enemy response to landscape complexity. <i>Ecology Letters</i> , 2011 , 14, 922-32	10	590
38	Stability of pollination services decreases with isolation from natural areas despite honey bee visits. <i>Ecology Letters</i> , 2011 , 14, 1062-72	10	537
37	Chemically mediated tritrophic interactions: opposing effects of glucosinolates on a specialist herbivore and its predators. <i>Journal of Applied Ecology</i> , 2011 , 48, 880-887	5.8	49
36	Evaluating the quality of citizen-scientist data on pollinator communities. <i>Conservation Biology</i> , 2011 , 25, 607-17	6	138
35	Valuing pollination services to agriculture. <i>Ecological Economics</i> , 2011 , 71, 80-88	5.6	138
34	Bees in disturbed habitats use, but do not prefer, alien plants. <i>Basic and Applied Ecology</i> , 2011 , 12, 332-341	3.1	83
33	Benefits of wildlife consumption to child nutrition in a biodiversity hotspot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 19653-6	11.5	202
32	Hedgerows enhance beneficial insects on farms in California's Central Valley. <i>California Agriculture</i> , 2011 , 65, 197-201	1.1	29
31	Contribution of pollinator-mediated crops to nutrients in the human food supply. <i>PLoS ONE</i> , 2011 , 6, e21363	3.7	182

30	Methodological considerations in reserve system selection: A case study of Malagasy lemurs. <i>Biological Conservation</i> , 2010 , 143, 963-973	6.2	23
29	Global pollinator declines: trends, impacts and drivers. <i>Trends in Ecology and Evolution</i> , 2010 , 25, 345-53	10.9	3149
28	Modelling pollination services across agricultural landscapes. <i>Annals of Botany</i> , 2009 , 103, 1589-600	4.1	248
27	Are ecosystem services stabilized by differences among species? A test using crop pollination. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 229-37	4.4	176
26	Quantifying the Contribution of Organisms to the Provision of Ecosystem Services. <i>BioScience</i> , 2009 , 59, 223-235	5.7	261
25	An Interdisciplinary Tool for Monitoring Conservation Impacts in Madagascar. <i>Conservation Biology</i> , 2008 , 12, 549-563	6	
24	Inadequate assessment of the ecosystem service rationale for conservation: reply to Ghazoul. <i>Conservation Biology</i> , 2008 , 22, 795-8; discussion 799-801	6	18
23	Landscape effects on crop pollination services: are there general patterns?. <i>Ecology Letters</i> , 2008 , 11, 499-515	10	776
22	Climate change adaptation for conservation in Madagascar. <i>Biology Letters</i> , 2008 , 4, 590-4	3.6	106
21	A method for quantifying biodiversity loss and its application to a 50-year record of deforestation across Madagascar. <i>Conservation Letters</i> , 2008 , 1, 173-181	6.9	94
20	Aligning conservation priorities across taxa in Madagascar with high-resolution planning tools. <i>Science</i> , 2008 , 320, 222-6	33.3	393
19	The Ecosystem Service Controversy: Is There Sufficient Evidence for a Pollination Paradox?. <i>Gaia</i> , 2008 , 17, 12-16	1.4	11
18	Importance of pollinators in changing landscapes for world crops. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 303-13	4.4	3044
17	Pollination and other ecosystem services produced by mobile organisms: a conceptual framework for the effects of land-use change. <i>Ecology Letters</i> , 2007 , 10, 299-314	10	896
16	Wild bee pollinators provide the majority of crop visitation across land-use gradients in New Jersey and Pennsylvania, USA. <i>Journal of Applied Ecology</i> , 2007 , 45, 793-802	5.8	268
15	Effect of human disturbance on bee communities in a forested ecosystem. <i>Conservation Biology</i> , 2007 , 21, 213-23	6	286
14	Ecosystem services and dis-services to agriculture. <i>Ecological Economics</i> , 2007 , 64, 253-260	5.6	901
13	Bee foraging ranges and their relationship to body size. <i>Oecologia</i> , 2007 , 153, 589-96	2.9	947

12	APPLYING COMMUNITY STRUCTURE ANALYSIS TO ECOSYSTEM FUNCTION: EXAMPLES FROM POLLINATION AND CARBON STORAGE 2005 , 15, 360-375		141
11	A call to ecologists: measuring, analyzing, and managing ecosystem services. <i>Frontiers in Ecology and the Environment</i> , 2005 , 3, 540-548	5.5	223
10	Extinction order and altered community structure rapidly disrupt ecosystem functioning. <i>Ecology Letters</i> , 2005 , 8, 538-47	10	443
9	Managing ecosystem services: what do we need to know about their ecology?. <i>Ecology Letters</i> , 2005 , 8, 468-79	10	891
8	The area requirements of an ecosystem service: crop pollination by native bee communities in California. <i>Ecology Letters</i> , 2004 , 7, 1109-1119	10	478
7	Crop pollination from native bees at risk from agricultural intensification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 16812-6	11.5	1114
6	Global Perspectives on Pollination Disruptions. <i>Conservation Biology</i> , 2000 , 14, 1226-1228	6	107
5	Taxic Richness Patterns and Conservation Evaluation of Madagascan Tiger Beetles (Coleoptera: Cicindelidae). <i>Journal of Insect Conservation</i> , 2000 , 4, 109-128	2.1	14
4	Economic incentives for rain forest conservation across scales. <i>Science</i> , 2000 , 288, 1828-32	33.3	237
3	Changes in arthropod communities mediate the effects of landscape composition and farm management on pest control ecosystem services in organically managed strawberry crops. <i>Journal of Applied Ecology</i> ,	5.8	2
2	A global synthesis reveals biodiversity-mediated benefits for crop production		11
1	A null model for species richness gradients: bounded range overlap of butterflies and other rainforest endemics in Madagascar		18