

# Claire Kremen

## List of Publications by Citations

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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	Global pollinator declines: trends, impacts and drivers. <i>Trends in Ecology and Evolution</i> , <b>2010</b> , 25, 345-53	10.9	3149
136	Importance of pollinators in changing landscapes for world crops. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2007</b> , 274, 303-13	4.4	3044
135	Wild pollinators enhance fruit set of crops regardless of honey bee abundance. <i>Science</i> , <b>2013</b> , 339, 1608-13	33.3	1309
134	Landscape moderation of biodiversity patterns and processes - eight hypotheses. <i>Biological Reviews</i> , <b>2012</b> , 87, 661-85	13.5	1121
133	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> , <b>2002</b> , 99, 16812-6	11.5	1114
132	Bee foraging ranges and their relationship to body size. <i>Oecologia</i> , <b>2007</b> , 153, 589-96	2.9	947
131	Ecosystem services and dis-services to agriculture. <i>Ecological Economics</i> , <b>2007</b> , 64, 253-260	5.6	901
130	Pollination and other ecosystem services produced by mobile organisms: a conceptual framework for the effects of land-use change. <i>Ecology Letters</i> , <b>2007</b> , 10, 299-314	10	896
129	Managing ecosystem services: what do we need to know about their ecology?. <i>Ecology Letters</i> , <b>2005</b> , 8, 468-79	10	891
128	Landscape effects on crop pollination services: are there general patterns?. <i>Ecology Letters</i> , <b>2008</b> , 11, 499-515	10	776
127	A global quantitative synthesis of local and landscape effects on wild bee pollinators in agroecosystems. <i>Ecology Letters</i> , <b>2013</b> , 16, 584-99	10	625
126	Sustainability. Systems integration for global sustainability. <i>Science</i> , <b>2015</b> , 347, 1258832	33.3	612
125	A meta-analysis of crop pest and natural enemy response to landscape complexity. <i>Ecology Letters</i> , <b>2011</b> , 14, 922-32	10	590
124	Stability of pollination services decreases with isolation from natural areas despite honey bee visits. <i>Ecology Letters</i> , <b>2011</b> , 14, 1062-72	10	537
123	The area requirements of an ecosystem service: crop pollination by native bee communities in California. <i>Ecology Letters</i> , <b>2004</b> , 7, 1109-1119	10	478
122	Delivery of crop pollination services is an insufficient argument for wild pollinator conservation. <i>Nature Communications</i> , <b>2015</b> , 6, 7414	17.4	476
121	Ecosystem Services in Biologically Diversified versus Conventional Farming Systems: Benefits, Externalities, and Trade-Offs. <i>Ecology and Society</i> , <b>2012</b> , 17,	4.1	444

120	Extinction order and altered community structure rapidly disrupt ecosystem functioning. <i>Ecology Letters</i> , <b>2005</b> , 8, 538-47	10	443
119	Aligning conservation priorities across taxa in Madagascar with high-resolution planning tools. <i>Science</i> , <b>2008</b> , 320, 222-6	33.3	393
118	Diversification practices reduce organic to conventional yield gap. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282, 20141396	4.4	345
117	Landscapes that work for biodiversity and people. <i>Science</i> , <b>2018</b> , 362,	33.3	344
116	Trends in Global Agricultural Land Use: Implications for Environmental Health and Food Security. <i>Annual Review of Plant Biology</i> , <b>2018</b> , 69, 789-815	30.7	286
115	Effect of human disturbance on bee communities in a forested ecosystem. <i>Conservation Biology</i> , <b>2007</b> , 21, 213-23	6	286
114	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> , <b>2007</b> , 45, 793-802	5.8	268
113	From research to action: enhancing crop yield through wild pollinators. <i>Frontiers in Ecology and the Environment</i> , <b>2014</b> , 12, 439-447	5.5	267
112	Quantifying the Contribution of Organisms to the Provision of Ecosystem Services. <i>BioScience</i> , <b>2009</b> , 59, 223-235	5.7	261
111	A global synthesis reveals biodiversity-mediated benefits for crop production. <i>Science Advances</i> , <b>2019</b> , 5, eaax0121	14.3	259
110	Diversified Farming Systems: An Agroecological, Systems-based Alternative to Modern Industrial Agriculture. <i>Ecology and Society</i> , <b>2012</b> , 17,	4.1	252
109	Modelling pollination services across agricultural landscapes. <i>Annals of Botany</i> , <b>2009</b> , 103, 1589-600	4.1	248
108	Economic incentives for rain forest conservation across scales. <i>Science</i> , <b>2000</b> , 288, 1828-32	33.3	237
107	Reconnecting plants and pollinators: challenges in the restoration of pollination mutualisms. <i>Trends in Plant Science</i> , <b>2011</b> , 16, 4-12	13.1	223
106	A call to ecologists: measuring, analyzing, and managing ecosystem services. <i>Frontiers in Ecology and the Environment</i> , <b>2005</b> , 3, 540-548	5.5	223
105	Benefits of increasing plant diversity in sustainable agroecosystems. <i>Journal of Ecology</i> , <b>2017</b> , 105, 871-879		221
104	Synergistic effects of non-Apis bees and honey bees for pollination services. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 280, 20122767	4.4	221
103	Reframing the land-sparing/land-sharing debate for biodiversity conservation. <i>Annals of the New York Academy of Sciences</i> , <b>2015</b> , 1355, 52-76	6.5	211

102	Hedgerow restoration promotes pollinator populations and exports native bees to adjacent fields <b>2013</b> , 23, 829-39		211
101	Functional traits in agriculture: agrobiodiversity and ecosystem services. <i>Trends in Ecology and Evolution</i> , <b>2015</b> , 30, 531-9	10.9	203
100	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> , <b>2011</b> , 108, 19653-6	11.5	202
99	Contribution of pollinator-mediated crops to nutrients in the human food supply. <i>PLoS ONE</i> , <b>2011</b> , 6, e21363	3.7	182
98	Are ecosystem services stabilized by differences among species? A test using crop pollination. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 276, 229-37	4.4	176
97	A global synthesis of the effects of diversified farming systems on arthropod diversity within fields and across agricultural landscapes. <i>Global Change Biology</i> , <b>2017</b> , 23, 4946-4957	11.4	170
96	Merging paleobiology with conservation biology to guide the future of terrestrial ecosystems. <i>Science</i> , <b>2017</b> , 355,	33.3	169
95	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> , <b>2013</b> , 110, 555-8	11.5	161
94	Loss of avian phylogenetic diversity in neotropical agricultural systems. <i>Science</i> , <b>2014</b> , 345, 1343-6	33.3	152
93	Ecological intensification to mitigate impacts of conventional intensive land use on pollinators and pollination. <i>Ecology Letters</i> , <b>2017</b> , 20, 673-689	10	151
92	Landscape-scale resources promote colony growth but not reproductive performance of bumble bees. <i>Ecology</i> , <b>2012</b> , 93, 1049-58	4.6	149
91	APPLYING COMMUNITY STRUCTURE ANALYSIS TO ECOSYSTEM FUNCTION: EXAMPLES FROM POLLINATION AND CARBON STORAGE <b>2005</b> , 15, 360-375		141
90	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> , <b>2018</b> , 115, 121-126	11.5	140
89	Evaluating the quality of citizen-scientist data on pollinator communities. <i>Conservation Biology</i> , <b>2011</b> , 25, 607-17	6	138
88	Valuing pollination services to agriculture. <i>Ecological Economics</i> , <b>2011</b> , 71, 80-88	5.6	138
87	Biodiversity buffers pollination from changes in environmental conditions. <i>Global Change Biology</i> , <b>2013</b> , 19, 540-7	11.4	135
86	Agricultural diversification promotes multiple ecosystem services without compromising yield. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	127
85	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

84	EDITOR'S CHOICE: Small-scale restoration in intensive agricultural landscapes supports more specialized and less mobile pollinator species. <i>Journal of Applied Ecology</i> , <b>2015</b> , 52, 602-610	5.8	108
83	Global Perspectives on Pollination Disruptions. <i>Conservation Biology</i> , <b>2000</b> , 14, 1226-1228	6	107
82	Climate change adaptation for conservation in Madagascar. <i>Biology Letters</i> , <b>2008</b> , 4, 590-4	3.6	106
81	EDITOR'S CHOICE: REVIEW: Trait matching of flower visitors and crops predicts fruit set better than trait diversity. <i>Journal of Applied Ecology</i> , <b>2015</b> , 52, 1436-1444	5.8	102
80	Habitat restoration promotes pollinator persistence and colonization in intensively managed agriculture <b>2015</b> , 25, 1557-65		94
79	A method for quantifying biodiversity loss and its application to a 50-year record of deforestation across Madagascar. <i>Conservation Letters</i> , <b>2008</b> , 1, 173-181	6.9	94
78	Contrasting patterns in species and functional-trait diversity of bees in an agricultural landscape. <i>Journal of Applied Ecology</i> , <b>2015</b> , 52, 706-715	5.8	93
77	Conservation: limits of land sparing. <i>Science</i> , <b>2011</b> , 334, 593; author reply 594-5	33.3	93
76	Pyrodiversity begets plant-pollinator community diversity. <i>Global Change Biology</i> , <b>2016</b> , 22, 1794-808	11.4	93
75	Pest control experiments show benefits of complexity at landscape and local scales <b>2012</b> , 22, 1936-48		85
74	Urban land use limits regional bumble bee gene flow. <i>Molecular Ecology</i> , <b>2013</b> , 22, 2483-95	5.7	83
73	Bees in disturbed habitats use, but do not prefer, alien plants. <i>Basic and Applied Ecology</i> , <b>2011</b> , 12, 332-341	3.1	83
72	Hedgerows enhance beneficial insects on adjacent tomato fields in an intensive agricultural landscape. <i>Agriculture, Ecosystems and Environment</i> , <b>2014</b> , 189, 164-170	5.7	81
71	A horizon scan of future threats and opportunities for pollinators and pollination. <i>PeerJ</i> , <b>2016</b> , 4, e2249	3.1	80
70	Pest Control and Pollination Cost-Benefit Analysis of Hedgerow Restoration in a Simplified Agricultural Landscape. <i>Journal of Economic Entomology</i> , <b>2016</b> , 109, 1020-1027	2.2	72
69	On-farm habitat restoration counters biotic homogenization in intensively managed agriculture. <i>Global Change Biology</i> , <b>2016</b> , 22, 704-15	11.4	68
68	Detecting pest control services across spatial and temporal scales. <i>Agriculture, Ecosystems and Environment</i> , <b>2013</b> , 181, 206-212	5.7	63
67	Bee Preference for Native versus Exotic Plants in Restored Agricultural Hedgerows. <i>Restoration Ecology</i> , <b>2013</b> , 21, 26-32	3.1	61

66	Economic valuation of subsistence harvest of wildlife in Madagascar. <i>Conservation Biology</i> , <b>2014</b> , 28, 234-43	6	59
65	Pollination services from field-scale agricultural diversification may be context-dependent. <i>Agriculture, Ecosystems and Environment</i> , <b>2015</b> , 207, 17-25	5.7	58
64	Interacting effects of pollination, water and nutrients on fruit tree performance. <i>Plant Biology</i> , <b>2015</b> , 17, 201-8	3.7	58
63	Evaluating nesting microhabitat for ground-nesting bees using emergence traps. <i>Basic and Applied Ecology</i> , <b>2014</b> , 15, 161-168	3.2	58
62	Comanaging fresh produce for nature conservation and food safety. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 11126-31	11.5	54
61	Invasive species management restores a plant-pollinator mutualism in Hawaii. <i>Journal of Applied Ecology</i> , <b>2013</b> , 50, 147-155	5.8	52
60	Wild pollination services to California almond rely on semi-natural habitat. <i>Journal of Applied Ecology</i> , <b>2012</b> , 49, no-no	5.8	49
59	Chemically mediated tritrophic interactions: opposing effects of glucosinolates on a specialist herbivore and its predators. <i>Journal of Applied Ecology</i> , <b>2011</b> , 48, 880-887	5.8	49
58	Opportunistic attachment assembles plant-pollinator networks. <i>Ecology Letters</i> , <b>2017</b> , 20, 1261-1272	10	48
57	Temporal dynamics influenced by global change: bee community phenology in urban, agricultural, and natural landscapes. <i>Global Change Biology</i> , <b>2016</b> , 22, 1046-53	11.4	40
56	A Tool for Selecting Plants When Restoring Habitat for Pollinators. <i>Conservation Letters</i> , <b>2017</b> , 10, 105-111	11.1	40
55	Pollination and plant resources change the nutritional quality of almonds for human health. <i>PLoS ONE</i> , <b>2014</b> , 9, e90082	3.7	38
54	Species abundance, not diet breadth, drives the persistence of the most linked pollinators as plant-pollinator networks disassemble. <i>American Naturalist</i> , <b>2014</b> , 183, 600-11	3.7	38
53	Pollinator interactions with yellow starthistle ( <i>Centaurea solstitialis</i> ) across urban, agricultural, and natural landscapes. <i>PLoS ONE</i> , <b>2014</b> , 9, e86357	3.7	38
52	Comparison of marine spatial planning methods in Madagascar demonstrates value of alternative approaches. <i>PLoS ONE</i> , <b>2012</b> , 7, e28969	3.7	38
51	Value of Wildland Habitat for Supplying Pollination Services to Californian Agriculture. <i>Rangelands</i> , <b>2011</b> , 33, 33-41	1.1	36
50	Working landscapes need at least 20% native habitat. <i>Conservation Letters</i> , <b>2021</b> , 14, e12773	6.9	32
49	Short- and long-term control of <i>Vespula pensylvanica</i> in Hawaii by fipronil baiting. <i>Pest Management Science</i> , <b>2012</b> , 68, 1026-33	4.6	31

48	Agricultural practices for food safety threaten pest control services for fresh produce. <i>Journal of Applied Ecology</i> , <b>2016</b> , 53, 1402-1412	5.8	31
47	Hedgerows enhance beneficial insects on farms in California's Central Valley. <i>California Agriculture</i> , <b>2011</b> , 65, 197-201	1.1	29
46	The Unintended Ecological and Social Impacts of Food Safety Regulations in California's Central Coast Region. <i>BioScience</i> , <b>2015</b> , 65, 1173-1183	5.7	28
45	Sunflower ( <i>Helianthus annuus</i> ) pollination in California's Central Valley is limited by native bee nest site location. <i>Ecological Applications</i> , <b>2016</b> , 26, 438-47	4.9	28
44	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> , <b>2015</b> , 40, 471-478	2.1	27
43	Hedgerow presence does not enhance indicators of nest-site habitat quality or nesting rates of ground-nesting bees. <i>Restoration Ecology</i> , <b>2016</b> , 24, 499-505	3.1	27
42	Effects of forest and cave proximity on fruit set of tree crops in tropical orchards in Southern Thailand. <i>Journal of Tropical Ecology</i> , <b>2016</b> , 32, 269-279	1.3	25
41	Pollinator Community Assembly Tracks Changes in Floral Resources as Restored Hedgerows Mature in Agricultural Landscapes. <i>Frontiers in Ecology and Evolution</i> , <b>2018</b> , 6,	3.7	25
40	Proximity of restored hedgerows interacts with local floral diversity and species' traits to shape long-term pollinator metacommunity dynamics. <i>Ecology Letters</i> , <b>2019</b> , 22, 1048-1060	10	23
39	Methodological considerations in reserve system selection: A case study of Malagasy lemurs. <i>Biological Conservation</i> , <b>2010</b> , 143, 963-973	6.2	23
38	Integrating agroecological production in a robust post-2020 Global Biodiversity Framework. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 1150-1152	12.3	23
37	Bumble bee pollen use and preference across spatial scales in human-altered landscapes. <i>Ecological Entomology</i> , <b>2013</b> , 38, 570-579	2.1	22
36	The relative importance of pollinator abundance and species richness for the temporal variance of pollination services. <i>Ecology</i> , <b>2017</b> , 98, 1807-1816	4.6	20
35	The value of pollinator species diversity. <i>Science</i> , <b>2018</b> , 359, 741-742	33.3	20
34	Bird services and disservices to strawberry farming in Californian agricultural landscapes. <i>Journal of Applied Ecology</i> , <b>2019</b> , 56, 1948-1959	5.8	18
33	Inadequate assessment of the ecosystem service rationale for conservation: reply to Ghazoul. <i>Conservation Biology</i> , <b>2008</b> , 22, 795-8; discusion 799-801	6	18
32	A null model for species richness gradients: bounded range overlap of butterflies and other rainforest endemics in Madagascar		18
31	Competitive impacts of an invasive nectar thief on plant-pollinator mutualisms. <i>Ecology</i> , <b>2014</b> , 95, 1622-1626	14	17

30	Ecological intensification and diversification approaches to maintain biodiversity, ecosystem services and food production in a changing world. <i>Emerging Topics in Life Sciences</i> , <b>2020</b> , 4, 229-240	3.5	17
29	Shifts in species interactions and farming contexts mediate net effects of birds in agroecosystems. <i>Ecological Applications</i> , <b>2020</b> , 30, e02115	4.9	16
28	System-level approach needed to evaluate the transition to more sustainable agriculture. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	16
27	Evolving Food Safety Pressures in California's Central Coast Region. <i>Frontiers in Sustainable Food Systems</i> , <b>2019</b> , 3,	4.8	15
26	Taxic Richness Patterns and Conservation Evaluation of Madagascan Tiger Beetles (Coleoptera: Cicindelidae). <i>Journal of Insect Conservation</i> , <b>2000</b> , 4, 109-128	2.1	14
25	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> , <b>2019</b> , 3,	4.8	12
24	Cohort Profile: The Madagascar Health and Environmental Research (MAHERY) study in north-eastern Madagascar. <i>International Journal of Epidemiology</i> , <b>2017</b> , 46, 1747-1748d	7.8	11
23	Population genetic structure of the predatory, social wasp <i>Vespula pensylvanica</i> in its native and invasive range. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 5573-87	2.8	11
22	The Ecosystem Service Controversy: Is There Sufficient Evidence for a Pollination Paradox? <i>Gaia</i> , <b>2008</b> , 17, 12-16	1.4	11
21	A global synthesis reveals biodiversity-mediated benefits for crop production		11
20	Crop diversity enriches arbuscular mycorrhizal fungal communities in an intensive agricultural landscape. <i>New Phytologist</i> , <b>2021</b> , 231, 447-459	9.8	11
19	On-Farm Diversification in an Agriculturally-Dominated Landscape Positively Influences Specialist Pollinators. <i>Frontiers in Sustainable Food Systems</i> , <b>2019</b> , 3,	4.8	10
18	Rainforest pharmacopeia in Madagascar provides high value for current local and prospective global uses. <i>PLoS ONE</i> , <b>2012</b> , 7, e41221	3.7	10
17	Pollination Requirements of Almond ( <i>Prunus dulcis</i> ): Combining Laboratory and Field Experiments. <i>Journal of Economic Entomology</i> , <b>2018</b> , 111, 1006-1013	2.2	9
16	Estimating resource preferences of a native bumblebee: the effects of availability and use-availability models on preference estimates. <i>Oikos</i> , <b>2017</b> , 126, 633-641	4	9
15	Building effective policies to conserve pollinators: translating knowledge into policy. <i>Current Opinion in Insect Science</i> , <b>2021</b> , 46, 64-71	5.1	8
14	Functional connectivity of the world's protected areas. <i>Science</i> , <b>2022</b> , 376, 1101-1104	33.3	8
13	Narrow and Brittle or Broad and Nimble? Comparing Adaptive Capacity in Simplifying and Diversifying Farming Systems. <i>Frontiers in Sustainable Food Systems</i> , <b>2021</b> , 5,	4.8	6



12	Time to Integrate Pollinator Science into Soybean Production. <i>Trends in Ecology and Evolution</i> , <b>2021</b> , 36, 573-575	10.9	6
11	Links between food insecurity and the unsustainable hunting of wildlife in a UNESCO world heritage site in Madagascar. <i>Lancet, The</i> , <b>2017</b> , 389, S3	4.0	4
10	Rethinking spatial costs and benefits of fisheries in marine conservation. <i>Ocean and Coastal Management</i> , <b>2019</b> , 178, 104824	3.9	4
9	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
8	CropPol: a dynamic, open and global database on crop pollination.. <i>Ecology</i> , <b>2021</b> , e3614	4.6	2
7	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> , <b>2022</b> , 154697	10.2	2
6	Response. <i>Science</i> , <b>2019</b> , 363, 1048	33.3	1
5	Pollinator interaction flexibility across scales affects patch colonization and occupancy. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 787-793	12.3	1
4	Social-ecological feedbacks drive tipping points in farming system diversification. <i>One Earth</i> , <b>2022</b> , 5, 283-292	8.1	1
3	Semi-natural habitat surrounding farms promotes multifunctionality in avian ecosystem services. <i>Journal of Applied Ecology</i> , <b>2022</b> , 59, 898-908	5.8	0
2	An Interdisciplinary Tool for Monitoring Conservation Impacts in Madagascar. <i>Conservation Biology</i> , <b>2008</b> , 12, 549-563	6	
1	Irrigation method does not affect wild bee pollinators of hybrid sunflower. <i>California Agriculture</i> , <b>2017</b> , 71, 35-40	1.1	