Claire Kremen

List of Publications by Year
in descending order

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141	40,191	8749	10441
papers	citations	75 h-index	139 g-index

146	146	146	25545
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Importance of pollinators in changing landscapes for world crops. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 303-313.	1.2	4,383
2	Global pollinator declines: trends, impacts and drivers. Trends in Ecology and Evolution, 2010, 25, 345-353.	4.2	4,333
3	Wild Pollinators Enhance Fruit Set of Crops Regardless of Honey Bee Abundance. Science, 2013, 339, 1608-1611.	6.0	1,767
4	Landscape moderation of biodiversity patterns and processes â€•eight hypotheses. Biological Reviews, 2012, 87, 661-685.	4.7	1,443
5	Crop pollination from native bees at risk from agricultural intensification. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16812-16816.	3.3	1,378
6	Bee foraging ranges and their relationship to body size. Oecologia, 2007, 153, 589-596.	0.9	1,269
7	Ecosystem services and dis-services to agriculture. Ecological Economics, 2007, 64, 253-260.	2.9	1,151
8	Pollination and other ecosystem services produced by mobile organisms: a conceptual framework for the effects of land-use change. Ecology Letters, 2007, 10, 299-314.	3.0	1,096
9	Managing ecosystem services: what do we need to know about their ecology?. Ecology Letters, 2005, 8, 468-479.	3.0	1,075
10	Landscape effects on crop pollination services: are there general patterns?. Ecology Letters, 2008, 11, 499-515.	3.0	983
11	A global quantitative synthesis of local and landscape effects on wild bee pollinators in agroecosystems. Ecology Letters, 2013, 16, 584-599.	3.0	875
12	Systems integration for global sustainability. Science, 2015, 347, 1258832.	6.0	820
13	A metaâ€•analysis of crop pest and natural enemy response to landscape complexity. Ecology Letters, 2011, 14, 922-932.	3.0	745
14	Stability of pollination services decreases with isolation from natural areas despite honey bee visits. Ecology Letters, 2011, 14, 1062-1072.	3.0	681
15	Ecosystem Services in Biologically Diversified versus Conventional Farming Systems: Benefits, Externalities, and Trade-Offs. Ecology and Society, 2012, 17, .	1.0	656
16	Delivery of crop pollination services is an insufficient argument for wild pollinator conservation. Nature Communications, 2015, 6, 7414.	5.8	656
17	Landscapes that work for biodiversity and people. Science, 2018, 362, .	6.0	622
18	The area requirements of an ecosystem service: crop pollination by native bee communities in California. Ecology Letters, 2004, 7, 1109-1119.	3.0	584

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19	Trends in Global Agricultural Land Use: Implications for Environmental Health and Food Security. Annual Review of Plant Biology, 2018, 69, 789-815.	8.6	559
20	Extinction order and altered community structure rapidly disrupt ecosystem functioning. Ecology Letters, 2005, 8, 538-547.	3.0	531
21	A global synthesis reveals biodiversity-mediated benefits for crop production. Science Advances, 2019, 5, eaax0121.	4.7	524
22	Diversification practices reduce organic to conventional yield gap. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141396.	1.2	505
23	Aligning Conservation Priorities Across Taxa in Madagascar with High-Resolution Planning Tools. Science, 2008, 320, 222-226.	6.0	484
24	Agricultural diversification promotes multiple ecosystem services without compromising yield. Science Advances, 2020, 6, .	4.7	405
25	Diversified Farming Systems: An Agroecological, Systems-based Alternative to Modern Industrial Agriculture. Ecology and Society, 2012, 17, .	1.0	399
26	From research to action: enhancing crop yield through wild pollinators. Frontiers in Ecology and the Environment, 2014, 12, 439-447.	1.9	363
27	Benefits of increasing plant diversity in sustainable agroecosystems. Journal of Ecology, 2017, 105, 871-879.	1.9	360
28	Wild bee pollinators provide the majority of crop visitation across landâ€use gradients in New Jersey and Pennsylvania, USA. Journal of Applied Ecology, 2008, 45, 793-802.	1.9	352
29	Effect of Human Disturbance on Bee Communities in a Forested Ecosystem. Conservation Biology, 2007, 21, 213-223.	2.4	346
30	The effectiveness of flower strips and hedgerows on pest control, pollination services and crop yield: a quantitative synthesis. Ecology Letters, 2020, 23, 1488-1498.	3.0	319
31	Quantifying the Contribution of Organisms to the Provision of Ecosystem Services. BioScience, 2009, 59, 223-235.	2.2	312
32	Modelling pollination services across agricultural landscapes. Annals of Botany, 2009, 103, 1589-1600.	1.4	309
33	Reframing the landâ€sparing/landâ€sharing debate for biodiversity conservation. Annals of the New York Academy of Sciences, 2015, 1355, 52-76.	1.8	292
34	Synergistic effects of non- Apis bees and honey bees for pollination services. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122767.	1.2	290
35	Benefits of wildlife consumption to child nutrition in a biodiversity hotspot. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19653-19656.	3.3	283
36	Reconnecting plants and pollinators: challenges in the restoration of pollination mutualisms. Trends in Plant Science, 2011, 16, 4-12.	4.3	278

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37	Hedgerow restoration promotes pollinator populations and exports native bees to adjacent fields. Ecological Applications, 2013, 23, 829-839.	1.8	277
38	Functional traits in agriculture: agrobiodiversity and ecosystem services. Trends in Ecology and Evolution, 2015, 30, 531-539.	4.2	274
39	Economic Incentives for Rain Forest Conservation Across Scales. Science, 2000, 288, 1828-1832.	6.0	271
40	A call to ecologists: measuring, analyzing, and managing ecosystem services. Frontiers in Ecology and the Environment, 2005, 3, 540-548.	1.9	264
41	Merging paleobiology with conservation biology to guide the future of terrestrial ecosystems. Science, 2017, 355, .	6.0	260
42	A global synthesis of the effects of diversified farming systems on arthropod diversity within fields and across agricultural landscapes. Global Change Biology, 2017, 23, 4946-4957.	4.2	259
43	Contribution of Pollinator-Mediated Crops to Nutrients in the Human Food Supply. PLoS ONE, 2011, 6, e21363.	1.1	251
44	Ecological intensification to mitigate impacts of conventional intensive land use on pollinators and pollination. Ecology Letters, 2017, 20, 673-689.	3.0	237
45	Effect of oil palm sustainability certification on deforestation and fire in Indonesia. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 121-126.	3.3	218
46	Resource diversity and landscape-level homogeneity drive native bee foraging. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 555-558.	3.3	213
47	Are ecosystem services stabilized by differences among species? A test using crop pollination. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 229-237.	1.2	203
48	Loss of avian phylogenetic diversity in neotropical agricultural systems. Science, 2014, 345, 1343-1346.	6.0	197
49	Evaluating the Quality of Citizen-Scientist Data on Pollinator Communities. Conservation Biology, 2011, 25, 607-617.	2.4	182
50	Conserving Biodiversity and Ecosystem Services. Science, 2001, 291, 2047-2047.	6.0	179
51	Landscapeâ€scale resources promote colony growth but not reproductive performance of bumble bees. Ecology, 2012, 93, 1049-1058.	1.5	178
52	APPLYING COMMUNITY STRUCTURE ANALYSIS TO ECOSYSTEM FUNCTION: EXAMPLES FROM POLLINATION AND CARBON STORAGE. , 2005, 15, 360-375.		177
53	Biodiversity buffers pollination from changes in environmental conditions. Global Change Biology, 2013, 19, 540-547.	4.2	176
54	Valuing pollination services to agriculture. Ecological Economics, 2011, 71, 80-88.	2.9	168

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55	Habitat restoration promotes pollinator persistence and colonization in intensively managed agriculture. Ecological Applications, 2015, 25, 1557-1565.	1.8	146
56	Pyrodiversity begets plantâ€“pollinator community diversity. Global Change Biology, 2016, 22, 1794-1808.	4.2	141
57	Wild pollination services to California almond rely on semiâ€natural habitat. Journal of Applied Ecology, 2012, 49, 723-732.	1.9	140
58	Global Perspectives on Pollination Disruptions. Conservation Biology, 2000, 14, 1226-1228.	2.4	137
59	EDITOR'S CHOICE: Smallâ€scale restoration in intensive agricultural landscapes supports more specialized and less mobile pollinator species. Journal of Applied Ecology, 2015, 52, 602-610.	1.9	137
60	Ecosystemâ€Service Science and the Way Forward for Conservation. Conservation Biology, 2007, 21, 1383-1384.	2.4	136
61	EDITOR'S CHOICE: REVIEW: Trait matching of flower visitors and crops predicts fruit set better than trait diversity. Journal of Applied Ecology, 2015, 52, 1436-1444.	1.9	136
62	Contrasting patterns in species and functionalâ€trait diversity of bees in an agricultural landscape. Journal of Applied Ecology, 2015, 52, 706-715.	1.9	129
63	Climate change adaptation for conservation in Madagascar. Biology Letters, 2008, 4, 590-594.	1.0	123
64	Pest Control and Pollination Costâ€“Benefit Analysis of Hedgerow Restoration in a Simplified Agricultural Landscape. Journal of Economic Entomology, 2016, 109, 1020-1027.	0.8	121
65	Working landscapes need at least 20% native habitat. Conservation Letters, 2021, 14, e12773.	2.8	116
66	Bees in disturbed habitats use, but do not prefer, alien plants. Basic and Applied Ecology, 2011, 12, 332-341.	1.2	115
67	A horizon scan of future threats and opportunities for pollinators and pollination. PeerJ, 2016, 4, e2249.	0.9	115
68	Hedgerows enhance beneficial insects on adjacent tomato fields in an intensive agricultural landscape. Agriculture, Ecosystems and Environment, 2014, 189, 164-170.	2.5	114
69	Onâ€farm habitat restoration counters biotic homogenization in intensively managed agriculture. Global Change Biology, 2016, 22, 704-715.	4.2	113
70	A method for quantifying biodiversity loss and its application to a 50â€year record of deforestation across Madagascar. Conservation Letters, 2008, 1, 173-181.	2.8	110
71	Urban land use limits regional bumble bee gene flow. Molecular Ecology, 2013, 22, 2483-2495.	2.0	108
72	Pest control experiments show benefits of complexity at landscape and local scales. Ecological Applications, 2012, 22, 1936-1948.	1.8	106

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73	Conservation: Limits of Land Sparing. Science, 2011, 334, 593-593.	6.0	105
74	Bee Preference for Native versus Exotic Plants in Restored Agricultural Hedgerows. Restoration Ecology, 2013, 21, 26-32.	1.4	89
75	Detecting pest control services across spatial and temporal scales. Agriculture, Ecosystems and Environment, 2013, 181, 206-212.	2.5	87
76	Evaluating nesting microhabitat for ground-nesting bees using emergence traps. Basic and Applied Ecology, 2014, 15, 161-168.	1.2	82
77	Economic Valuation of Subsistence Harvest of Wildlife in Madagascar. Conservation Biology, 2014, 28, 234-243.	2.4	81
78	Comanaging fresh produce for nature conservation and food safety. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11126-11131.	3.3	79
79	Pollination services from field-scale agricultural diversification may be context-dependent. Agriculture, Ecosystems and Environment, 2015, 207, 17-25.	2.5	77
80	Opportunistic attachment assembles plantâ€“pollinator networks. Ecology Letters, 2017, 20, 1261-1272.	3.0	77
81	Interacting effects of pollination, water and nutrients on fruit tree performance. Plant Biology, 2015, 17, 201-208.	1.8	65
82	Functional connectivity of the worldâ€™s protected areas. Science, 2022, 376, 1101-1104.	6.0	62
83	Invasive species management restores a plantâ€“pollinator mutualism in <scp>H</scp>awaii. Journal of Applied Ecology, 2013, 50, 147-155.	1.9	60
84	Temporal dynamics influenced by global change: bee community phenology in urban, agricultural, and natural landscapes. Global Change Biology, 2016, 22, 1046-1053.	4.2	58
85	Chemically mediated tritrophic interactions: opposing effects of glucosinolates on a specialist herbivore and its predators. Journal of Applied Ecology, 2011, 48, 880-887.	1.9	57
86	Crop diversity enriches arbuscular mycorrhizal fungal communities in an intensive agricultural landscape. New Phytologist, 2021, 231, 447-459.	3.5	57
87	A Tool for Selecting Plants When Restoring Habitat for Pollinators. Conservation Letters, 2017, 10, 105-111.	2.8	56
88	Integrating agroecological production in a robust post-2020 Global Biodiversity Framework. Nature Ecology and Evolution, 2020, 4, 1150-1152.	3.4	54
89	Value of Wildland Habitat for Supplying Pollination Services to Californian Agriculture. Rangelands, 2011, 33, 33-41.	0.9	52
90	Agricultural practices for food safety threaten pest control services for fresh produce. Journal of Applied Ecology, 2016, 53, 1402-1412.	1.9	51

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91	Pollination and Plant Resources Change the Nutritional Quality of Almonds for Human Health. PLoS ONE, 2014, 9, e90082.	1.1	50
92	Ecological intensification and diversification approaches to maintain biodiversity, ecosystem services and food production in a changing world. Emerging Topics in Life Sciences, 2020, 4, 229-240.	1.1	50
93	Species Abundance, Not Diet Breadth, Drives the Persistence of the Most Linked Pollinators as Plant-Pollinator Networks Disassemble. American Naturalist, 2014, 183, 600-611.	1.0	49
94	The Unintended Ecological and Social Impacts of Food Safety Regulations in California's Central Coast Region. BioScience, 2015, 65, 1173-1183.	2.2	47
95	Pollinator Community Assembly Tracks Changes in Floral Resources as Restored Hedgerows Mature in Agricultural Landscapes. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	46
96	Pollinator Interactions with Yellow Starthistle (Centaurea solstitialis) across Urban, Agricultural, and Natural Landscapes. PLoS ONE, 2014, 9, e86357.	1.1	45
97	Proximity of restored hedgerows interacts with local floral diversity and species' traits to shape longâ€term pollinator metacommunity dynamics. Ecology Letters, 2019, 22, 1048-1060.	3.0	45
98	Comparison of Marine Spatial Planning Methods in Madagascar Demonstrates Value of Alternative Approaches. PLoS ONE, 2012, 7, e28969.	1.1	43
99	Bird services and disservices to strawberry farming in Californian agricultural landscapes. Journal of Applied Ecology, 2019, 56, 1948-1959.	1.9	43
100	Narrow and Brittle or Broad and Nimble? Comparing Adaptive Capacity in Simplifying and Diversifying Farming Systems. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	42
101	Sunflower (Helianthus annuus) pollination in California's Central Valley is limited by native bee nest site location. Ecological Applications, 2016, 26, 438-447.	1.8	38
102	Hedgerows enhance beneficial insects on farms in California's Central Valley. California Agriculture, 2011, 65, 197-201.	0.5	36
103	Time to Integrate Pollinator Science into Soybean Production. Trends in Ecology and Evolution, 2021, 36, 573-575.	4.2	36
104	Shortâ€and longâ€term control of Vespula pensylvanica in Hawaii by fipronil baiting. Pest Management Science, 2012, 68, 1026-1033.	1.7	35
105	Effects of forest and cave proximity on fruit set of tree crops in tropical orchards in Southern Thailand. Journal of Tropical Ecology, 2016, 32, 269-279.	0.5	35
106	Hedgerow presence does not enhance indicators of nestâ€site habitat quality or nesting rates of groundâ€nesting bees. Restoration Ecology, 2016, 24, 499-505.	1.4	34
107	Bumble bees selectively use native and exotic species to maintain nutritional intake across highly variable and invaded local floral resource pools. Ecological Entomology, 2015, 40, 471-478.	1.1	32
108	Methodological considerations in reserve system selection: A case study of Malagasy lemurs. Biological Conservation, 2010, 143, 963-973.	1.9	30

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109	Bumble bee pollen use and preference across spatial scales in humanâ€altered landscapes. Ecological Entomology, 2013, 38, 570-579.	1.1	30
110	The relative importance of pollinator abundance and species richness for the temporal variance of pollination services. Ecology, 2017, 98, 1807-1816.	1.5	30
111	Shifts in species interactions and farming contexts mediate net effects of birds in agroecosystems. Ecological Applications, 2020, 30, e02115.	1.8	29
112	System-level approach needed to evaluate the transition to more sustainable agriculture. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152913.	1.2	27
113	The value of pollinator species diversity. Science, 2018, 359, 741-742.	6.0	25
114	Evolving Food Safety Pressures in California's Central Coast Region. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	25
115	Pesticide exposure of wild bees and honey bees foraging from field border flowers in intensively managed agriculture areas. Science of the Total Environment, 2022, 831, 154697.	3.9	24
116	On-Farm Diversification in an Agriculturally-Dominated Landscape Positively Influences Specialist Pollinators. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	23
117	A null model for species richness gradients: bounded range overlap of butterflies and other rainforest endemics in Madagascar. Biological Journal of the Linnean Society, 1999, 67, 529-584.	0.7	22
118	Title is missing!. Journal of Insect Conservation, 2000, 4, 109-128.	0.8	21
119	Cohort Profile: The Madagascar Health and Environmental Research (MAHERY) study in north-eastern Madagascar. International Journal of Epidemiology, 2017, 46, 1747-1748d.	0.9	21
120	Inadequate Assessment of the Ecosystem Service Rationale for Conservation: Reply to Ghazoul. Conservation Biology, 2008, 22, 795-798.	2.4	20
121	Competitive impacts of an invasive nectar thief on plantâ€“pollinator mutualisms. Ecology, 2014, 95, 1622-1632.	1.5	20
122	<scp>CropPol</scp>: A dynamic, open and global database on crop pollination. Ecology, 2022, 103, e3614.	1.5	19
123	Evidence Synthesis as the Basis for Decision Analysis: A Method of Selecting the Best Agricultural Practices for Multiple Ecosystem Services. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	18
124	Rainforest Pharmacopeia in Madagascar Provides High Value for Current Local and Prospective Global Uses. PLoS ONE, 2012, 7, e41221.	1.1	16
125	The â€œSweet Spotâ€•in the Middle: Why Do Mid-Scale Farms Adopt Diversification Practices at Higher Rates?. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	16
126	An Interdisciplinary Tool for Monitoring Conservation Impacts in Madagascar. Conservation Biology, 1998, 12, 549-563.	2.4	15

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127	Pollination Requirements of Almond (Prunus dulcis): Combining Laboratory and Field Experiments. Journal of Economic Entomology, 2018, 111, 1006-1013.	0.8	15
128	Building effective policies to conserve pollinators: translating knowledge into policy. Current Opinion in Insect Science, 2021, 46, 64-71.	2.2	15
129	Population genetic structure of the predatory, social wasp <scp>V</scp>espula pensylvanica in its native and invasive range. Ecology and Evolution, 2015, 5, 5573-5587.	0.8	14
130	Semiâ€natural habitat surrounding farms promotes multifunctionality in avian ecosystem services. Journal of Applied Ecology, 2022, 59, 898-908.	1.9	13
131	The Ecosystem Service Controversy: Is There Sufficient Evidence for a â€œPollination Paradoxâ€?. Gaia, 2008, 17, 12-16.	0.3	12
132	Estimating resource preferences of a native bumblebee: the effects of availability and useâ€“availability models on preference estimates. Oikos, 2017, 126, 633-641.	1.2	9
133	Dietary patterns of a versatile large carnivore, the puma (Puma concolor). Ecology and Evolution, 2022, 12, .	0.8	9
134	Links between food insecurity and the unsustainable hunting of wildlife in a UNESCO world heritage site in Madagascar. Lancet, The, 2017, 389, S3.	6.3	8
135	Pollinator interaction flexibility across scales affects patch colonization and occupancy. Nature Ecology and Evolution, 2021, 5, 787-793.	3.4	8
136	Social-ecological feedbacks drive tipping points in farming system diversification. One Earth, 2022, 5, 283-292.	3.6	8
137	Rethinking spatial costs and benefits of fisheries in marine conservation. Ocean and Coastal Management, 2019, 178, 104824.	2.0	7
138	Changes in arthropod communities mediate the effects of landscape composition and farm management on pest control ecosystem services in organically managed strawberry crops. Journal of Applied Ecology, 2022, 59, 585-597.	1.9	6
139	Response. Science, 2019, 363, 1048-1048.	6.0	1
140	Irrigation method does not affect wild bee pollinators of hybrid sunflower. California Agriculture, 2017, 71, 35-40.	0.5	1
141	Interactive effects of multiscale diversification practices on farmland bird stress. Conservation Biology, 2022, 36, .	2.4	1