Claire Kremen

List of Publications by Year
in descending order

141 papers	40,191 citations	8732 75 h-index	10708 138 g-index
146 all docs	146 docs citations	146 times ranked	25545 citing authors

#	Article	IF	Citations
1	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
2	<scp>CropPol</scp>: A dynamic, open and global database on crop pollination. Ecology, 2022, 103, e3614.	1.5	19
3	Semiâ€natural habitat surrounding farms promotes multifunctionality in avian ecosystem services. Journal of Applied Ecology, 2022, 59, 898-908.	1.9	13
4	Interactive effects of multiscale diversification practices on farmland bird stress. Conservation Biology, 2022, 36, .	2.4	1
5	Social-ecological feedbacks drive tipping points in farming system diversification. One Earth, 2022, 5, 283-292.	3.6	8
6	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
7	Functional connectivity of the worldâ€™s protected areas. Science, 2022, 376, 1101-1104.	6.0	62
8	Dietary patterns of a versatile large carnivore, the puma (<i>Puma concolor</i>). Ecology and Evolution, 2022, 12, .	0.8	9
9	Working landscapes need at least 20% native habitat. Conservation Letters, 2021, 14, e12773.	2.8	116
10	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
11	Pollinator interaction flexibility across scales affects patch colonization and occupancy. Nature Ecology and Evolution, 2021, 5, 787-793.	3.4	8
12	Crop diversity enriches arbuscular mycorrhizal fungal communities in an intensive agricultural landscape. New Phytologist, 2021, 231, 447-459.	3.5	57
13	Time to Integrate Pollinator Science into Soybean Production. Trends in Ecology and Evolution, 2021, 36, 573-575.	4.2	36
14	Building effective policies to conserve pollinators: translating knowledge into policy. Current Opinion in Insect Science, 2021, 46, 64-71.	2.2	15
15	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
16	Integrating agroecological production in a robust post-2020 Global Biodiversity Framework. Nature Ecology and Evolution, 2020, 4, 1150-1152.	3.4	54
17	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
18	Agricultural diversification promotes multiple ecosystem services without compromising yield. Science Advances, 2020, 6, .	4.7	405

#	Article	IF	Citations
19	Shifts in species interactions and farming contexts mediate net effects of birds in agroecosystems. Ecological Applications, 2020, 30, e02115.	1.8	29
20	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
21	Rethinking spatial costs and benefits of fisheries in marine conservation. Ocean and Coastal Management, 2019, 178, 104824.	2.0	7
22	A global synthesis reveals biodiversity-mediated benefits for crop production. Science Advances, 2019, 5, eaax0121.	4.7	524
23	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
24	On-Farm Diversification in an Agriculturally-Dominated Landscape Positively Influences Specialist Pollinators. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	23
25	Bird services and disservices to strawberry farming in Californian agricultural landscapes. Journal of Applied Ecology, 2019, 56, 1948-1959.	1.9	43
26	Response. Science, 2019, 363, 1048-1048.	6.0	1
27	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
28	Evolving Food Safety Pressures in California's Central Coast Region. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	25
29	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
30	The value of pollinator species diversity. Science, 2018, 359, 741-742.	6.0	25
31	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
32	Pollination Requirements of Almond (Prunus dulcis): Combining Laboratory and Field Experiments. Journal of Economic Entomology, 2018, 111, 1006-1013.	0.8	15
33	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
34	Landscapes that work for biodiversity and people. Science, 2018, 362, .	6.0	622
35	Merging paleobiology with conservation biology to guide the future of terrestrial ecosystems. Science, 2017, 355, .	6.0	260
36	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

#	Article	IF	Citations
37	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
38	The relative importance of pollinator abundance and species richness for the temporal variance of pollination services. Ecology, 2017, 98, 1807-1816.	1.5	30
39	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
40	Benefits of increasing plant diversity in sustainable agroecosystems. Journal of Ecology, 2017, 105, 871-879.	1.9	360
41	Ecological intensification to mitigate impacts of conventional intensive land use on pollinators and pollination. Ecology Letters, 2017, 20, 673-689.	3.0	237
42	Opportunistic attachment assembles plantâ€“pollinator networks. Ecology Letters, 2017, 20, 1261-1272.	3.0	77
43	A Tool for Selecting Plants When Restoring Habitat for Pollinators. Conservation Letters, 2017, 10, 105-111.	2.8	56
44	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
45	Irrigation method does not affect wild bee pollinators of hybrid sunflower. California Agriculture, 2017, 71, 35-40.	0.5	1
46	Onâ€farm habitat restoration counters biotic homogenization in intensively managed agriculture. Global Change Biology, 2016, 22, 704-715.	4.2	113
47	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
48	Pyrodiversity begets plantâ€“pollinator community diversity. Global Change Biology, 2016, 22, 1794-1808.	4.2	141
49	Sunflower (<i>Helianthus annuus</i>) pollination in California's Central Valley is limited by native bee nest site location. Ecological Applications, 2016, 26, 438-447.	1.8	38
50	Agricultural practices for food safety threaten pest control services for fresh produce. Journal of Applied Ecology, 2016, 53, 1402-1412.	1.9	51
51	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
52	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
53	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
54	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

#	Article	IF	Citations
55	A horizon scan of future threats and opportunities for pollinators and pollination. PeerJ, 2016, 4, e2249.	0.9	115
56	Population genetic structure of the predatory, social wasp <i><scp>V</scp>espula pensylvanica</i> in its native and invasive range. Ecology and Evolution, 2015, 5, 5573-5587.	0.8	14
57	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
58	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
59	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
60	Habitat restoration promotes pollinator persistence and colonization in intensively managed agriculture. Ecological Applications, 2015, 25, 1557-1565.	1.8	146
61	The Unintended Ecological and Social Impacts of Food Safety Regulations in California's Central Coast Region. BioScience, 2015, 65, 1173-1183.	2.2	47
62	Systems integration for global sustainability. Science, 2015, 347, 1258832.	6.0	820
63	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
64	Functional traits in agriculture: agrobiodiversity and ecosystem services. Trends in Ecology and Evolution, 2015, 30, 531-539.	4.2	274
65	Delivery of crop pollination services is an insufficient argument for wild pollinator conservation. Nature Communications, 2015, 6, 7414.	5.8	656
66	Pollination services from field-scale agricultural diversification may be context-dependent. Agriculture, Ecosystems and Environment, 2015, 207, 17-25.	2.5	77
67	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
68	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
69	Diversification practices reduce organic to conventional yield gap. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141396.	1.2	505
70	Interacting effects of pollination, water and nutrients on fruit tree performance. Plant Biology, 2015, 17, 201-208.	1.8	65
71	Pollinator Interactions with Yellow Starthistle (Centaurea solstitialis) across Urban, Agricultural, and Natural Landscapes. PLoS ONE, 2014, 9, e86357.	1.1	45
72	Competitive impacts of an invasive nectar thief on plantâ€"pollinator mutualisms. Ecology, 2014, 95, 1622-1632.	1.5	20

#	Article	IF	Citations
73	Economic Valuation of Subsistence Harvest of Wildlife in Madagascar. Conservation Biology, 2014, 28, 234-243.	2.4	81
74	Pollination and Plant Resources Change the Nutritional Quality of Almonds for Human Health. PLoS ONE, 2014, 9, e90082.	1.1	50
75	From research to action: enhancing crop yield through wild pollinators. Frontiers in Ecology and the Environment, 2014, 12, 439-447.	1.9	363
76	Loss of avian phylogenetic diversity in neotropical agricultural systems. Science, 2014, 345, 1343-1346.	6.0	197
77	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
78	Evaluating nesting microhabitat for ground-nesting bees using emergence traps. Basic and Applied Ecology, 2014, 15, 161-168.	1.2	82
79	Hedgerows enhance beneficial insects on adjacent tomato fields in an intensive agricultural landscape. Agriculture, Ecosystems and Environment, 2014, 189, 164-170.	2.5	114
80	Urban land use limits regional bumble bee gene flow. Molecular Ecology, 2013, 22, 2483-2495.	2.0	108
81	Detecting pest control services across spatial and temporal scales. Agriculture, Ecosystems and Environment, 2013, 181, 206-212.	2.5	87
82	Invasive species management restores a plantâ€"pollinator mutualism in <scp>H</scp>awaii. Journal of Applied Ecology, 2013, 50, 147-155.	1.9	60
83	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
84	Biodiversity buffers pollination from changes in environmental conditions. Global Change Biology, 2013, 19, 540-547.	4.2	176
85	Wild Pollinators Enhance Fruit Set of Crops Regardless of Honey Bee Abundance. Science, 2013, 339, 1608-1611.	6.0	1,767
86	A global quantitative synthesis of local and landscape effects on wild bee pollinators in agroecosystems. Ecology Letters, 2013, 16, 584-599.	3.0	875
87	Hedgerow restoration promotes pollinator populations and exports native bees to adjacent fields. Ecological Applications, 2013, 23, 829-839.	1.8	277
88	Bee Preference for Native versus Exotic Plants in Restored Agricultural Hedgerows. Restoration Ecology, 2013, 21, 26-32.	1.4	89
89	Bumble bee pollen use and preference across spatial scales in humanâ€altered landscapes. Ecological Entomology, 2013, 38, 570-579.	1.1	30
90	Synergistic effects of non- <i>Apis</i> bees and honey bees for pollination services. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122767.	1.2	290

#	Article	IF	Citations
91	Ecosystem Services in Biologically Diversified versus Conventional Farming Systems: Benefits, Externalities, and Trade-Offs. Ecology and Society, 2012, 17, .	1.0	656
92	Diversified Farming Systems: An Agroecological, Systems-based Alternative to Modern Industrial Agriculture. Ecology and Society, 2012, 17, .	1.0	399
93	Wild pollination services to California almond rely on semiâ€natural habitat. Journal of Applied Ecology, 2012, 49, 723-732.	1.9	140
94	Landscape moderation of biodiversity patterns and processes â€•eight hypotheses. Biological Reviews, 2012, 87, 661-685.	4.7	1,443
95	Landscapeâ€scale resources promote colony growth but not reproductive performance of bumble bees. Ecology, 2012, 93, 1049-1058.	1.5	178
96	Pest control experiments show benefits of complexity at landscape and local scales. Ecological Applications, 2012, 22, 1936-1948.	1.8	106
97	Comparison of Marine Spatial Planning Methods in Madagascar Demonstrates Value of Alternative Approaches. PLoS ONE, 2012, 7, e28969.	1.1	43
98	Rainforest Pharmacopeia in Madagascar Provides High Value for Current Local and Prospective Global Uses. PLoS ONE, 2012, 7, e41221.	1.1	16
99	Shortâ€•and longâ€term control of <i>Vespula pensylvanica</i> in Hawaii by fipronil baiting. Pest Management Science, 2012, 68, 1026-1033.	1.7	35
100	Conservation: Limits of Land Sparing. Science, 2011, 334, 593-593.	6.0	105
101	Reconnecting plants and pollinators: challenges in the restoration of pollination mutualisms. Trends in Plant Science, 2011, 16, 4-12.	4.3	278
102	Value of Wildland Habitat for Supplying Pollination Services to Californian Agriculture. Rangelands, 2011, 33, 33-41.	0.9	52
103	A metaâ€analysis of crop pest and natural enemy response to landscape complexity. Ecology Letters, 2011, 14, 922-932.	3.0	745
104	Stability of pollination services decreases with isolation from natural areas despite honey bee visits. Ecology Letters, 2011, 14, 1062-1072.	3.0	681
105	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
106	Evaluating the Quality of Citizen-Scientist Data on Pollinator Communities. Conservation Biology, 2011, 25, 607-617.	2.4	182
107	Valuing pollination services to agriculture. Ecological Economics, 2011, 71, 80-88.	2.9	168
108	Bees in disturbed habitats use, but do not prefer, alien plants. Basic and Applied Ecology, 2011, 12, 332-341.	1.2	115

#	Article	IF	Citations
109	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
110	Hedgerows enhance beneficial insects on farms in California's Central Valley. California Agriculture, 2011, 65, 197-201.	0.5	36
111	Contribution of Pollinator-Mediated Crops to Nutrients in the Human Food Supply. PLoS ONE, 2011, 6, e21363.	1.1	251
112	Methodological considerations in reserve system selection: A case study of Malagasy lemurs. Biological Conservation, 2010, 143, 963-973.	1.9	30
113	Global pollinator declines: trends, impacts and drivers. Trends in Ecology and Evolution, 2010, 25, 345-353.	4.2	4,333
114	Modelling pollination services across agricultural landscapes. Annals of Botany, 2009, 103, 1589-1600.	1.4	309
115	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
116	Quantifying the Contribution of Organisms to the Provision of Ecosystem Services. BioScience, 2009, 59, 223-235.	2.2	312
117	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
118	Inadequate Assessment of the Ecosystem Service Rationale for Conservation: Reply to Ghazoul. Conservation Biology, 2008, 22, 795-798.	2.4	20
119	Landscape effects on crop pollination services: are there general patterns?. Ecology Letters, 2008, 11, 499-515.	3.0	983
120	Climate change adaptation for conservation in Madagascar. Biology Letters, 2008, 4, 590-594.	1.0	123
121	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
122	Aligning Conservation Priorities Across Taxa in Madagascar with High-Resolution Planning Tools. Science, 2008, 320, 222-226.	6.0	484
123	The Ecosystem Service Controversy: Is There Sufficient Evidence for a â€œPollination Paradoxâ€?. Gaia, 2008, 17, 12-16.	0.3	12
124	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
125	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
126	Effect of Human Disturbance on Bee Communities in a Forested Ecosystem. Conservation Biology, 2007, 21, 213-223.	2.4	346

#	Article	IF	Citations
127	Ecosystemâ€Service Science and the Way Forward for Conservation. Conservation Biology, 2007, 21, 1383-1384.	2.4	136
128	Ecosystem services and dis-services to agriculture. Ecological Economics, 2007, 64, 253-260.	2.9	1,151
129	Bee foraging ranges and their relationship to body size. Oecologia, 2007, 153, 589-596.	0.9	1,269
130	Extinction order and altered community structure rapidly disrupt ecosystem functioning. Ecology Letters, 2005, 8, 538-547.	3.0	531
131	Managing ecosystem services: what do we need to know about their ecology?. Ecology Letters, 2005, 8, 468-479.	3.0	1,075
132	APPLYING COMMUNITY STRUCTURE ANALYSIS TO ECOSYSTEM FUNCTION: EXAMPLES FROM POLLINATION AND CARBON STORAGE. , 2005, 15, 360-375.		177
133	A call to ecologists: measuring, analyzing, and managing ecosystem services. Frontiers in Ecology and the Environment, 2005, 3, 540-548.	1.9	264
134	The area requirements of an ecosystem service: crop pollination by native bee communities in California. Ecology Letters, 2004, 7, 1109-1119.	3.0	584
135	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
136	Conserving Biodiversity and Ecosystem Services. Science, 2001, 291, 2047-2047.	6.0	179
137	Global Perspectives on Pollination Disruptions. Conservation Biology, 2000, 14, 1226-1228.	2.4	137
138	Title is missing!. Journal of Insect Conservation, 2000, 4, 109-128.	0.8	21
139	Economic Incentives for Rain Forest Conservation Across Scales. Science, 2000, 288, 1828-1832.	6.0	271
140	An Interdisciplinary Tool for Monitoring Conservation Impacts in Madagascar. Conservation Biology, 1998, 12, 549-563.	2.4	15
141	A null model for species richness gradients: bounded range overlap of butterflies and other rainforest endemics in Madagascar. , 0, .		22