Elizabeth E Crone

List of Publications by Year in Descending Order

82 papers	2,858 citations	30 h-index	52 g-index
94 ext. papers	3,421 ext. citations	5.3 avg, IF	5.72 L-index

#	Paper	IF	Citations
82	The contribution of plant spatial arrangement to bumble bee flower constancy.. *Oecologia*, **2022**, 198, 471	2.9	2
81	By wind or wing: pollination syndromes and alternate bearing in horticultural systems. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2021**, 376, 20200371	5.8	1
80	Early resources lead to persistent benefits for bumble bee colony dynamics. *Ecology*, **2021**, e03560	4.6	2
79	Changes in phenology and abundance of an at-risk butterfly. *Journal of Insect Conservation*, **2021**, 25, 499-510	2.1	2
78	Comparing demography inferred from age vs. stage in a perennial plant. *Ecology*, **2021**, 102, e03322	4.6	
77	Estimating abundance and phenology from transect count data with GLMs. *Oikos*, **2021**, 130, 1335-1345	4	2
76	Are eastern and western monarch butterflies distinct populations? A review of evidence for ecological, phenotypic, and genetic differentiation and implications for conservation. *Conservation Science and Practice*, **2021**, 3, e432	2.2	0
75	Resilience or Catastrophe? A possible state change for monarch butterflies in western North America. *Ecology Letters*, **2021**, 24, 1533-1538	10	3
74	Contrasting effects of land cover on nesting habitat use and reproductive output for bumble bees. *Ecosphere*, **2021**, 12, e03642	3.1	1
73	Phenology of feeding preference in post-diapause Baltimore checkerspot (Euphydryas phaeton) caterpillars. *Ecological Entomology*, **2021**, 46, 310-318	2.1	1
72	Changes in flight period predict trends in abundance of Massachusetts butterflies. *Ecology Letters*, **2021**, 24, 249-257	10	9
71	Larger workers outperform smaller workers across resource environments: An evaluation of demographic data using functional linear models. *Ecology and Evolution*, **2021**, 11, 2814-2827	2.8	0
70	Using the right tool for the job: the difference between unsupervised and supervised analyses of multivariate ecological data. *Oecologia*, **2021**, 196, 13-25	2.9	3
69	The effects of commercial propagation on bumble bee (Bombus impatiens) foraging and worker body size. *Apidologie*, **2021**, 52, 887-898	2.3	
68	Phenotypic plasticity masks range-wide genetic differentiation for vegetative but not reproductive traits in a short-lived plant. *Ecology Letters*, **2021**, 24, 2378-2393	10	2
67	Global gene flow releases invasive plants from environmental constraints on genetic diversity. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 4218-4227	11.5	43
66	Does masting scale with plant size? High reproductive variability and low synchrony in small and unproductive individuals. *Annals of Botany*, **2020**, 126, 971-979	4.1	15

65	Do benefits of seed dispersal and caching by scatterhoarders outweigh the costs of predation? An example with oaks and yellow-necked mice. *Journal of Ecology*, **2020**, 108, 1009-1018	6	20
64	Life history trade-offs are more pronounced for a noninvasive, native butterfly compared to its invasive, exotic congener. *Population Ecology*, **2020**, 62, 119-133	2.1	0
63	Using statistics to design and estimate vital rates in matrix population models for a perennial herb. *Population Ecology*, **2020**, 62, 53-63	2.1	2
62	International scientists formulate a roadmap for insect conservation and recovery. *Nature Ecology and Evolution*, **2020**, 4, 174-176	12.3	98
61	Flowering synchrony drives reproductive success in a wind-pollinated tree. *Ecology Letters*, **2020**, 23, 1820-1826	10	8
60	On the need to evaluate costs and benefits of synzoochory for plant populations. *Journal of Ecology*, **2020**, 108, 1784-1788	6	2
59	Demographic benefits of early season resources for bumble bee (B. vosnesenskii) colonies. *Oecologia*, **2019**, 191, 377-388	2.9	18
58	Western Monarch Population Plummets: Status, Probable Causes, and Recommended Conservation Actions. *Frontiers in Ecology and Evolution*, **2019**, 7,	3.7	32
57	Faster movement in nonhabitat matrix promotes range shifts in heterogeneous landscapes. *Ecology*, **2019**, 100, e02701	4.6	17
56	Environmental Veto Synchronizes Mast Seeding in Four Contrasting Tree Species. *American Naturalist*, **2019**, 194, 246-259	3.7	18
55	Differential impacts of soil microbes on native and co-occurring invasive tree species. *Ecosphere*, **2019**, 10, e02802	3.1	5
54	Why are monarch butterflies declining in the West? Understanding the importance of multiple correlated drivers. *Ecological Applications*, **2019**, 29, e01975	4.9	16
53	Accounting for imperfect detection in species with sessile life cycle stages: a case study of bumble bee nests. *Journal of Insect Conservation*, **2019**, 23, 945-955	2.1	6
52	Developmental trap or demographic bonanza? Opposing consequences of earlier phenology in a changing climate for a multivoltine butterfly. *Global Change Biology*, **2019**, 26, 2014	11.4	9
51	Integrating vital rates explains optimal worker size for resource return by bumblebee workers. *Functional Ecology*, **2019**, 33, 467-478	5.6	22
50	Correlated seed failure as an environmental veto to synchronize reproduction of masting plants. *New Phytologist*, **2018**, 219, 98-108	9.8	43
49	Time-lagged effects of weather on plant demography: drought and Astragalus scaphoides. *Ecology*, **2018**, 99, 915-925	4.6	19
48	Source-sink dynamics of bumblebees in rapidly changing landscapes. *Journal of Applied Ecology*, **2018**, 55, 2802-2811	5.8	13

47	Mechanism matters: the cause of fluctuations in boom-bust populations governs optimal habitat restoration strategy. *Ecological Applications*, **2018**, 28, 356-372	4.9	7
46	Losing a battle but winning the war: moving past preference-performance to understand native herbivore-novel host plant interactions. *Oecologia*, **2017**, 183, 441-453	2.9	23
45	Using animal movement behavior to categorize land cover and predict consequences for connectivity and patch residence times. *Landscape Ecology*, **2017**, 32, 1657-1670	4.3	18
44	Arctic and boreal plant species decline at their southern range limits in the Rocky Mountains. *Ecology Letters*, **2017**, 20, 166-174	10	28
43	Citizen science monitoring demonstrates dramatic declines of monarch butterflies in western North America. *Biological Conservation*, **2017**, 214, 343-346	6.2	61
42	Effects of nitrogen deposition on reproduction in a masting tree: benefits of higher seed production are trumped by negative biotic interactions. *Journal of Ecology*, **2017**, 105, 310-320	6	46
41	Instant death, slow death and the consequences of assumptions about prolonged dormancy for plant population dynamics. *Journal of Ecology*, **2017**, 105, 471-483	6	6
40	Bumble bee colony dynamics: quantifying the importance of land use and floral resources for colony growth and queen production. *Ecology Letters*, **2016**, 19, 460-8	10	73
39	Minimum area requirements for an at-risk butterfly based on movement and demography. *Conservation Biology*, **2016**, 30, 103-12	6	17
38	How do vertebrates respond to mast seeding?. *Oikos*, **2016**, 125, 300-307	4	67
37	Advantages of masting in European beech: timing of granivore satiation and benefits of seed caching support the predator dispersal hypothesis. *Oecologia*, **2016**, 180, 749-58	2.9	52
36	Contrasting effects of spatial heterogeneity and environmental stochasticity on population dynamics of a perennial wildflower. *Journal of Ecology*, **2016**, 104, 281-291	6	29
35	Non-target effects of grass-specific herbicides differ among species, chemicals and host plants in Euphydryas butterflies. *Journal of Insect Conservation*, **2016**, 20, 867-877	2.1	9
34	Maple syrup production declines following masting. *Forest Ecology and Management*, **2015**, 335, 249-254	3.9	8
33	Resource depletion, pollen coupling, and the ecology of mast seeding. *Annals of the New York Academy of Sciences*, **2014**, 1322, 21-34	6.5	80
32	Climate-driven changes in northeastern US butterfly communities. *Nature Climate Change*, **2013**, 3, 142-145	14.4	122
31	The role of transient dynamics in stochastic population growth for nine perennial plants. *Ecology*, **2013**, 94, 1681-6	4.6	25
30	Masting in whitebark pine (Pinus albicaulis) depletes stored nutrients. *New Phytologist*, **2012**, 196, 189-198	9.3	105

29	Quantifying the outcome of plant–granivore interactions. *Oikos*, **2012**, 121, 20-27	4	57
28	How do plant ecologists use matrix population models?. *Ecology Letters*, **2011**, 14, 1-8	10	161
27	What defines mast seeding? Spatio-temporal patterns of cone production by whitebark pine. *Journal of Ecology*, **2011**, 99, no-no	6	18
26	Empirical tests of life-history evolution theory using phylogenetic analysis of plant demography. *Journal of Ecology*, **2010**, 98, 334-344	6	47
25	Fire and mice: seed predation moderates fire's influence on conifer recruitment. *Ecology*, **2010**, 91, 1124-31	4.6	51
24	How do plants know when other plants are flowering? Resource depletion, pollen limitation and mast-seeding in a perennial wildflower. *Ecology Letters*, **2009**, 12, 1119-26	10	104
23	Leading by Example: Response to Golet et al.. *Conservation Biology*, **2009**, 23, 1638-1638	6	
22	Modeling animal movement with diffusion. *Chapman & Hall/CRC Mathematical and Computational Biology Series*, **2009**, 63-83		7
21	Old models explain new observations of butterfly movement at patch edges. *Ecology*, **2008**, 89, 2061-7	4.6	27
20	Causes and consequences of prolonged dormancy for an iteroparous geophyte, Silene spaldingii. *Journal of Ecology*, **2007**, 95, 1360-1369	6	44
19	Designing a network for butterfly habitat restoration: where individuals, populations and landscapes interact. *Journal of Applied Ecology*, **2007**, 44, 725-736	5.8	57
18	Herbivory: effects on plant abundance, distribution and population growth. *Proceedings of the Royal Society B: Biological Sciences*, **2006**, 273, 2575-84	4.4	380
17	Pollen and water limitation in Astragalus scaphoides, a plant that flowers in alternate years. *Oecologia*, **2006**, 150, 40-9	2.9	32
16	Empirical models of pollen limitation, resource acquisition, and mast seeding by a bee-pollinated wildflower. *American Naturalist*, **2005**, 166, 396-408	3.7	37
15	Patch Size and Connectivity Thresholds for Butterfly Habitat Restoration. *Conservation Biology*, **2005**, 19, 887-896	6	59
14	Applicability of landscape and island biogeography theory to restoration of riparian understorey plants. *Journal of Applied Ecology*, **2004**, 41, 922-933	5.8	68
13	CAUSES OF SYNCHRONOUS FLOWERING IN ASTRAGALUS SCAPHOIDES, AN ITEROPAROUS PERENNIAL PLANT. *Ecology*, **2004**, 85, 1944-1954	4.6	33
12	DOES SCALE AFFECT ECOLOGICAL MODEL PREDICTIONS? A TEST WITH LAKE RESPONSES TO FERTILIZATION **2004**, 14, 1178-1188		3

11	ECOLOGICAL INFLUENCES ON THE DYNAMICS OF A FIELD VOLE METAPOPULATION. *Ecology*, **2001**, 82, 831-843	4.6	48
10	The Scientific Foundations of Habitat Conservation Plans: a Quantitative Assessment. *Conservation Biology*, **2001**, 15, 488-500	6	43
9	Is survivorship a better fitness surrogate than fecundity?. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 2611-4	3.8	106
8	EDGE-MEDIATED DISPERSAL BEHAVIOR IN A PRAIRIE BUTTERFLY. *Ecology*, **2001**, 82, 1879-1892	4.6	188
7	EDGE-MEDIATED DISPERSAL BEHAVIOR IN A PRAIRIE BUTTERFLY **2001**, 82, 1879		8
6	ECOLOGICAL INFLUENCES ON THE DYNAMICS OF A FIELD VOLE METAPOPULATION **2001**, 82, 831		1
5	Burning Prairie to Restore Butterfly Habitat: A Modeling Approach to Management Tradeoffs for the Fender's Blue. *Restoration Ecology*, **1998**, 6, 244-252	3.1	52
4	Population Viability of Rorippa columbiae: Multiple Models and Spatial Trend Data. *Conservation Biology*, **1998**, 12, 1054-1065	6	8
3	Estimating abundance and phenology from transect count data with GLMs		1
2	Contrasting effects of land cover on nesting habitat use and reproductive output for bumble bees		1
1	Resilience or Catastrophe? A possible state change for monarch butterflies in the West		3