

Elizabeth E Crone

List of Publications by Citations

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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.

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 | Herbivory: effects on plant abundance, distribution and population growth. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 2575-84 | 4.4 | 380 |
| 81 | EDGE-MEDIATED DISPERSAL BEHAVIOR IN A PRAIRIE BUTTERFLY. <i>Ecology</i> , 2001 , 82, 1879-1892 | 4.6 | 188 |
| 80 | How do plant ecologists use matrix population models?. <i>Ecology Letters</i> , 2011 , 14, 1-8 | 10 | 161 |
| 79 | Climate-driven changes in northeastern US butterfly communities. <i>Nature Climate Change</i> , 2013 , 3, 142-144 | 14.4 | 122 |
| 78 | Is survivorship a better fitness surrogate than fecundity?. <i>Evolution; International Journal of Organic Evolution</i> , 2001 , 55, 2611-4 | 3.8 | 106 |
| 77 | Masting in whitebark pine (<i>Pinus albicaulis</i>) depletes stored nutrients. <i>New Phytologist</i> , 2012 , 196, 189-198 | 9.8 | 105 |
| 76 | How do plants know when other plants are flowering? Resource depletion, pollen limitation and mast-seeding in a perennial wildflower. <i>Ecology Letters</i> , 2009 , 12, 1119-26 | 10 | 104 |
| 75 | International scientists formulate a roadmap for insect conservation and recovery. <i>Nature Ecology and Evolution</i> , 2020 , 4, 174-176 | 12.3 | 98 |
| 74 | Resource depletion, pollen coupling, and the ecology of mast seeding. <i>Annals of the New York Academy of Sciences</i> , 2014 , 1322, 21-34 | 6.5 | 80 |
| 73 | Bumble bee colony dynamics: quantifying the importance of land use and floral resources for colony growth and queen production. <i>Ecology Letters</i> , 2016 , 19, 460-8 | 10 | 73 |
| 72 | Applicability of landscape and island biogeography theory to restoration of riparian understory plants. <i>Journal of Applied Ecology</i> , 2004 , 41, 922-933 | 5.8 | 68 |
| 71 | How do vertebrates respond to mast seeding?. <i>Oikos</i> , 2016 , 125, 300-307 | 4 | 67 |
| 70 | Citizen science monitoring demonstrates dramatic declines of monarch butterflies in western North America. <i>Biological Conservation</i> , 2017 , 214, 343-346 | 6.2 | 61 |
| 69 | Patch Size and Connectivity Thresholds for Butterfly Habitat Restoration. <i>Conservation Biology</i> , 2005 , 19, 887-896 | 6 | 59 |
| 68 | Quantifying the outcome of plant-granivore interactions. <i>Oikos</i> , 2012 , 121, 20-27 | 4 | 57 |
| 67 | Designing a network for butterfly habitat restoration: where individuals, populations and landscapes interact. <i>Journal of Applied Ecology</i> , 2007 , 44, 725-736 | 5.8 | 57 |
| 66 | Advantages of masting in European beech: timing of granivore satiation and benefits of seed caching support the predator dispersal hypothesis. <i>Oecologia</i> , 2016 , 180, 749-58 | 2.9 | 52 |

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|----|--|------|----|
| 65 | Burning Prairie to Restore Butterfly Habitat: A Modeling Approach to Management Tradeoffs for the Fender's Blue. <i>Restoration Ecology</i> , 1998 , 6, 244-252 | 3.1 | 52 |
| 64 | Fire and mice: seed predation moderates fire's influence on conifer recruitment. <i>Ecology</i> , 2010 , 91, 1124-1131 | 4.6 | 51 |
| 63 | ECOLOGICAL INFLUENCES ON THE DYNAMICS OF A FIELD VOLE METAPOPOPULATION. <i>Ecology</i> , 2001 , 82, 831-843 | 4.6 | 48 |
| 62 | Empirical tests of life-history evolution theory using phylogenetic analysis of plant demography. <i>Journal of Ecology</i> , 2010 , 98, 334-344 | 6 | 47 |
| 61 | Effects of nitrogen deposition on reproduction in a masting tree: benefits of higher seed production are trumped by negative biotic interactions. <i>Journal of Ecology</i> , 2017 , 105, 310-320 | 6 | 46 |
| 60 | Causes and consequences of prolonged dormancy for an iteroparous geophyte, <i>Silene spaldingii</i> . <i>Journal of Ecology</i> , 2007 , 95, 1360-1369 | 6 | 44 |
| 59 | Global gene flow releases invasive plants from environmental constraints on genetic diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4218-4227 | 11.5 | 43 |
| 58 | Correlated seed failure as an environmental veto to synchronize reproduction of masting plants. <i>New Phytologist</i> , 2018 , 219, 98-108 | 9.8 | 43 |
| 57 | The Scientific Foundations of Habitat Conservation Plans: a Quantitative Assessment. <i>Conservation Biology</i> , 2001 , 15, 488-500 | 6 | 43 |
| 56 | Empirical models of pollen limitation, resource acquisition, and mast seeding by a bee-pollinated wildflower. <i>American Naturalist</i> , 2005 , 166, 396-408 | 3.7 | 37 |
| 55 | CAUSES OF SYNCHRONOUS FLOWERING IN ASTRAGALUS SCAPHOIDES, AN ITEROPAROUS PERENNIAL PLANT. <i>Ecology</i> , 2004 , 85, 1944-1954 | 4.6 | 33 |
| 54 | Western Monarch Population Plummetts: Status, Probable Causes, and Recommended Conservation Actions. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7, | 3.7 | 32 |
| 53 | Pollen and water limitation in <i>Astragalus scaphoides</i> , a plant that flowers in alternate years. <i>Oecologia</i> , 2006 , 150, 40-9 | 2.9 | 32 |
| 52 | Contrasting effects of spatial heterogeneity and environmental stochasticity on population dynamics of a perennial wildflower. <i>Journal of Ecology</i> , 2016 , 104, 281-291 | 6 | 29 |
| 51 | Arctic and boreal plant species decline at their southern range limits in the Rocky Mountains. <i>Ecology Letters</i> , 2017 , 20, 166-174 | 10 | 28 |
| 50 | Old models explain new observations of butterfly movement at patch edges. <i>Ecology</i> , 2008 , 89, 2061-7 | 4.6 | 27 |
| 49 | The role of transient dynamics in stochastic population growth for nine perennial plants. <i>Ecology</i> , 2013 , 94, 1681-6 | 4.6 | 25 |
| 48 | Losing a battle but winning the war: moving past preference-performance to understand native herbivore-novel host plant interactions. <i>Oecologia</i> , 2017 , 183, 441-453 | 2.9 | 23 |

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|----|---|------|----|
| 47 | Integrating vital rates explains optimal worker size for resource return by bumblebee workers. <i>Functional Ecology</i> , 2019 , 33, 467-478 | 5.6 | 22 |
| 46 | Do benefits of seed dispersal and caching by scatterhoarders outweigh the costs of predation? An example with oaks and yellow-necked mice. <i>Journal of Ecology</i> , 2020 , 108, 1009-1018 | 6 | 20 |
| 45 | Time-lagged effects of weather on plant demography: drought and <i>Astragalus scaphoides</i> . <i>Ecology</i> , 2018 , 99, 915-925 | 4.6 | 19 |
| 44 | Using animal movement behavior to categorize land cover and predict consequences for connectivity and patch residence times. <i>Landscape Ecology</i> , 2017 , 32, 1657-1670 | 4.3 | 18 |
| 43 | Demographic benefits of early season resources for bumble bee (<i>B. vosnesenskii</i>) colonies. <i>Oecologia</i> , 2019 , 191, 377-388 | 2.9 | 18 |
| 42 | Environmental Veto Synchronizes Mast Seeding in Four Contrasting Tree Species. <i>American Naturalist</i> , 2019 , 194, 246-259 | 3.7 | 18 |
| 41 | What defines mast seeding? Spatio-temporal patterns of cone production by whitebark pine. <i>Journal of Ecology</i> , 2011 , 99, no-no | 6 | 18 |
| 40 | Faster movement in nonhabitat matrix promotes range shifts in heterogeneous landscapes. <i>Ecology</i> , 2019 , 100, e02701 | 4.6 | 17 |
| 39 | Minimum area requirements for an at-risk butterfly based on movement and demography. <i>Conservation Biology</i> , 2016 , 30, 103-12 | 6 | 17 |
| 38 | Why are monarch butterflies declining in the West? Understanding the importance of multiple correlated drivers. <i>Ecological Applications</i> , 2019 , 29, e01975 | 4.9 | 16 |
| 37 | Does masting scale with plant size? High reproductive variability and low synchrony in small and unproductive individuals. <i>Annals of Botany</i> , 2020 , 126, 971-979 | 4.1 | 15 |
| 36 | Source-sink dynamics of bumblebees in rapidly changing landscapes. <i>Journal of Applied Ecology</i> , 2018 , 55, 2802-2811 | 5.8 | 13 |
| 35 | Developmental trap or demographic bonanza? Opposing consequences of earlier phenology in a changing climate for a multivoltine butterfly. <i>Global Change Biology</i> , 2019 , 26, 2014 | 11.4 | 9 |
| 34 | Non-target effects of grass-specific herbicides differ among species, chemicals and host plants in <i>Euphydryas</i> butterflies. <i>Journal of Insect Conservation</i> , 2016 , 20, 867-877 | 2.1 | 9 |
| 33 | Changes in flight period predict trends in abundance of Massachusetts butterflies. <i>Ecology Letters</i> , 2021 , 24, 249-257 | 10 | 9 |
| 32 | Maple syrup production declines following masting. <i>Forest Ecology and Management</i> , 2015 , 335, 249-254 | 3.9 | 8 |
| 31 | EDGE-MEDIATED DISPERSAL BEHAVIOR IN A PRAIRIE BUTTERFLY 2001 , 82, 1879 | | 8 |
| 30 | Population Viability of <i>Rorippa columbiae</i> : Multiple Models and Spatial Trend Data. <i>Conservation Biology</i> , 1998 , 12, 1054-1065 | 6 | 8 |

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|----|--|-----|---|
| 29 | Flowering synchrony drives reproductive success in a wind-pollinated tree. <i>Ecology Letters</i> , 2020 , 23, 1820-1826 | 10 | 8 |
| 28 | Modeling animal movement with diffusion. <i>Chapman & Hall/CRC Mathematical and Computational Biology Series</i> , 2009 , 63-83 | | 7 |
| 27 | Mechanism matters: the cause of fluctuations in boom-bust populations governs optimal habitat restoration strategy. <i>Ecological Applications</i> , 2018 , 28, 356-372 | 4.9 | 7 |
| 26 | Accounting for imperfect detection in species with sessile life cycle stages: a case study of bumble bee nests. <i>Journal of Insect Conservation</i> , 2019 , 23, 945-955 | 2.1 | 6 |
| 25 | Instant death, slow death and the consequences of assumptions about prolonged dormancy for plant population dynamics. <i>Journal of Ecology</i> , 2017 , 105, 471-483 | 6 | 6 |
| 24 | Differential impacts of soil microbes on native and co-occurring invasive tree species. <i>Ecosphere</i> , 2019 , 10, e02802 | 3.1 | 5 |
| 23 | DOES SCALE AFFECT ECOLOGICAL MODEL PREDICTIONS? A TEST WITH LAKE RESPONSES TO FERTILIZATION 2004 , 14, 1178-1188 | | 3 |
| 22 | Resilience or Catastrophe? A possible state change for monarch butterflies in western North America. <i>Ecology Letters</i> , 2021 , 24, 1533-1538 | 10 | 3 |
| 21 | Using the right tool for the job: the difference between unsupervised and supervised analyses of multivariate ecological data. <i>Oecologia</i> , 2021 , 196, 13-25 | 2.9 | 3 |
| 20 | Resilience or Catastrophe? A possible state change for monarch butterflies in the West | | 3 |
| 19 | The contribution of plant spatial arrangement to bumble bee flower constancy.. <i>Oecologia</i> , 2022 , 198, 471 | 2.9 | 2 |
| 18 | Early resources lead to persistent benefits for bumble bee colony dynamics. <i>Ecology</i> , 2021 , e03560 | 4.6 | 2 |
| 17 | Using statistics to design and estimate vital rates in matrix population models for a perennial herb. <i>Population Ecology</i> , 2020 , 62, 53-63 | 2.1 | 2 |
| 16 | On the need to evaluate costs and benefits of synzoochory for plant populations. <i>Journal of Ecology</i> , 2020 , 108, 1784-1788 | 6 | 2 |
| 15 | Changes in phenology and abundance of an at-risk butterfly. <i>Journal of Insect Conservation</i> , 2021 , 25, 499-510 | 2.1 | 2 |
| 14 | Estimating abundance and phenology from transect count data with GLMs. <i>Oikos</i> , 2021 , 130, 1335-1345 | 4 | 2 |
| 13 | Phenotypic plasticity masks range-wide genetic differentiation for vegetative but not reproductive traits in a short-lived plant. <i>Ecology Letters</i> , 2021 , 24, 2378-2393 | 10 | 2 |
| 12 | ECOLOGICAL INFLUENCES ON THE DYNAMICS OF A FIELD VOLE METAPOPOPULATION 2001 , 82, 831 | | 1 |

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|----|--|-----|---|
| 11 | By wind or wing: pollination syndromes and alternate bearing in horticultural systems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200371 | 5.8 | 1 |
| 10 | Estimating abundance and phenology from transect count data with GLMs | | 1 |
| 9 | Contrasting effects of land cover on nesting habitat use and reproductive output for bumble bees | | 1 |
| 8 | Contrasting effects of land cover on nesting habitat use and reproductive output for bumble bees. <i>Ecosphere</i> , 2021 , 12, e03642 | 3.1 | 1 |
| 7 | Phenology of feeding preference in post-diapause Baltimore checkerspot (<i>Euphydryas phaeton</i>) caterpillars. <i>Ecological Entomology</i> , 2021 , 46, 310-318 | 2.1 | 1 |
| 6 | Life history trade-offs are more pronounced for a noninvasive, native butterfly compared to its invasive, exotic congener. <i>Population Ecology</i> , 2020 , 62, 119-133 | 2.1 | 0 |
| 5 | Are eastern and western monarch butterflies distinct populations? A review of evidence for ecological, phenotypic, and genetic differentiation and implications for conservation. <i>Conservation Science and Practice</i> , 2021 , 3, e432 | 2.2 | 0 |
| 4 | Larger workers outperform smaller workers across resource environments: An evaluation of demographic data using functional linear models. <i>Ecology and Evolution</i> , 2021 , 11, 2814-2827 | 2.8 | 0 |
| 3 | Leading by Example: Response to Golet et al.. <i>Conservation Biology</i> , 2009 , 23, 1638-1638 | 6 | |
| 2 | Comparing demography inferred from age vs. stage in a perennial plant. <i>Ecology</i> , 2021 , 102, e03322 | 4.6 | |
| 1 | The effects of commercial propagation on bumble bee (<i>Bombus impatiens</i>) foraging and worker body size. <i>Apidologie</i> , 2021 , 52, 887-898 | 2.3 | |