

Carol C Horvitz

List of Publications by Year in descending order

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58
papers

3,739
citations

147801

31
h-index

155660

55
g-index

58
all docs

58
docs citations

58
times ranked

3114
citing authors

#	ARTICLE	IF	CITATIONS
1	LONGEVITY CAN BUFFER PLANT AND ANIMAL POPULATIONS AGAINST CHANGING CLIMATIC VARIABILITY. <i>Ecology</i> , 2008, 89, 19-25.	3.2	386
2	Spatiotemporal Variation in Demographic Transitions of a Tropical Understory Herb: Projection Matrix Analysis. <i>Ecological Monographs</i> , 1995, 65, 155-192.	5.4	300
3	The Many Growth Rates and Elasticities of Populations in Random Environments. <i>American Naturalist</i> , 2003, 162, 489-502.	2.1	223
4	Plant-Animal Interactions and Fruit Production in a Neotropical Herb: A Path Analysis. <i>Ecology</i> , 1988, 69, 1128-1137.	3.2	194
5	Spatiotemporal Variation in Insect Mutualists of a Neotropical Herb. <i>Ecology</i> , 1990, 71, 1085-1097.	3.2	158
6	Pollinator Limitation, Cost of Reproduction, and Fitness in Plants: A Transition-Matrix Demographic Approach. <i>American Naturalist</i> , 1990, 136, 499-516.	2.1	141
7	FUNCTIONAL ROLES OF INVASIVE NON-INDIGENOUS PLANTS IN HURRICANE-AFFECTED SUBTROPICAL HARDWOOD FORESTS. , 1998, 8, 947-974.		130
8	TEMPORAL VARIATION IN SELECTION ON A FLORAL CHARACTER. <i>Evolution; International Journal of Organic Evolution</i> , 1989, 43, 461-465.	2.3	129
9	Demographic Cost of Reproduction in a Neotropical Herb: An Experimental Field Study. <i>Ecology</i> , 1988, 69, 1741-1745.	3.2	123
10	In a long-term experimental demography study, excluding ungulates reversed invader's explosive population growth rate and restored natives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4501-4506.	7.1	121
11	HURRICANE DISTURBANCE AND THE POPULATION DYNAMICS OF A TROPICAL UNDERSTORY SHRUB: MEGAMATRIX ELASTICITY ANALYSIS. <i>Ecology</i> , 1998, 79, 547-563.	3.2	113
12	Seed Dispersal of a Neotropical Myrmecochore: Variation in Removal Rates and Dispersal Distance. <i>Biotropica</i> , 1986, 18, 319.	1.6	107
13	Seed arrival under different genera of trees in a neotropical pasture. <i>Plant Ecology</i> , 2000, 149, 51-62.	1.6	105
14	The Effects of Gap Size and Age on the Understorey Herb Community of a Tropical Mexican Rain Forest. <i>Journal of Ecology</i> , 1992, 80, 809.	4.0	94
15	Effects of Dispersers, Gaps, and Predators on Dormancy and Seedling Emergence in a Tropical Herb. <i>Ecology</i> , 1994, 75, 1949-1958.	3.2	93
16	Seed dispersal and environmental heterogeneity in a neotropical herb: a model of population and patch dynamics. <i>Tasks for Vegetation Science</i> , 1986, , 169-186.	0.6	89
17	Temporal Variation in Selection on a Floral Character. <i>Evolution; International Journal of Organic Evolution</i> , 1989, 43, 461.	2.3	79
18	Invasive plants in wildland ecosystems: merging the study of invasion processes with management needs. <i>Frontiers in Ecology and the Environment</i> , 2004, 2, 513-521.	4.0	76

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19	A Test of the Pollinator Limitation Hypothesis for a Neotropical Herb. <i>Ecology</i> , 1988, 69, 200-206.	3.2	72
20	A time to grow and a time to die: a new way to analyze the dynamics of size, light, age, and death of tropical trees. <i>Ecology</i> , 2009, 90, 2766-2778.	3.2	67
21	Parent-offspring conflicts, optimal bad motherhood and the mother knows best principles in insect herbivores colonizing novel host plants. <i>Ecology and Evolution</i> , 2012, 2, 1446-1457.	1.9	67
22	Ant-nest soil and seedling growth in a neotropical ant-dispersed herb. <i>Oecologia</i> , 1986, 70, 318-320.	2.0	65
23	FROM STAGE TO AGE IN VARIABLE ENVIRONMENTS: LIFE EXPECTANCY AND SURVIVORSHIP. <i>Ecology</i> , 2006, 87, 1497-1509.	3.2	57
24	Stage Dynamics, Period Survival, and Mortality Plateaus. <i>American Naturalist</i> , 2008, 172, 203-215.	2.1	56
25	PLANT-ANIMAL INTERACTIONS IN RANDOM ENVIRONMENTS: HABITAT-STAGE ELASTICITY, SEED PREDATORS, AND HURRICANES. <i>Ecology</i> , 2005, 86, 3312-3322.	3.2	53
26	FACTORS LIMITING FRUIT AND SEED PRODUCTION OF A TEMPERATE SHRUB, STAPHYLEA TRIFOLIA L. (STAPHYLEACEAE). <i>American Journal of Botany</i> , 1985, 72, 453-466.	1.7	46
27	Conserving Slow-Growing, Long-Lived Tree Species: Input from the Demography of a Rare Understory Conifer, <i>Taxus floridana</i> . <i>Conservation Biology</i> , 2004, 18, 432-443.	4.7	44
28	Effects of plant size, leaf herbivory, local competition and fruit production on survival, growth and future reproduction of a neotropical herb. <i>Journal of Ecology</i> , 2002, 90, 279-290.	4.0	43
29	PROJECTION MATRIX ANALYSIS OF THE DEMOGRAPHY OF AN INVASIVE, NONNATIVE SHRUB (<i>ARDISIA</i>) Tj ETQq1 1 0,784314 rgBT / Over	3.2	43
30	Removal of Nonnative Vines and Post-Hurricane Recruitment in Tropical Hardwood Forests of Florida. <i>Biotropica</i> , 2001, 33, 268-281.	1.6	40
31	ADAPTATIONS FOR A TWO-PHASE SEED DISPERSAL SYSTEM INVOLVING VERTEBRATES AND ANTS IN A HEMIEPIPHYTIC FIG (<i>FICUS MICROCARPA</i> : MORACEAE). <i>American Journal of Botany</i> , 1991, 78, 971-977.	1.7	38
32	Non-timber forest product harvest in variable environments: modeling the effect of harvesting as a stochastic sequence. <i>Ecology</i> , 2011, 21, 1604-1616.		37
33	Using experiments, demography and population models to estimate interaction strength based on transient and asymptotic dynamics. <i>Journal of Ecology</i> , 2010, 98, 290-301.	4.0	32
34	Adaptations for a Two-Phase Seed Dispersal System Involving Vertebrates and Ants in a Hemiepiphytic Fig (<i>Ficus microcarpa</i> : Moraceae). <i>American Journal of Botany</i> , 1991, 78, 971.	1.7	30
35	Experimental demography and the vital rates of generalist and specialist insect herbivores on native and novel host plants. <i>Journal of Animal Ecology</i> , 2011, 80, 976-989.	2.8	27
36	Defoliation and bark harvesting affect life history traits of a tropical tree. <i>Journal of Ecology</i> , 2013, 101, 1563-1571.	4.0	26

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37	Context-dependent pollinator limitation in stochastic environments: can increased seed set overpower the cost of reproduction in an understory herb?. <i>Journal of Ecology</i> , 2010, 98, 268-278.	4.0	25
38	Larval morphology, development, and notes on the natural history of <i>Cephaloleia</i> â€œrolled-leafâ€ beetles (Coleoptera: Chrysomelidae: Cassidinae). <i>Zootaxa</i> , 2010, 2610, 50.	0.5	23
39	Host plant scents attract rolled-leaf beetles to Neotropical gingers in a Central American tropical rain forest. <i>Entomologia Experimentalis Et Applicata</i> , 2009, 131, 115-120.	1.4	22
40	Poverty dynamics, poverty thresholds and mortality: An age-stage Markovian model. <i>PLoS ONE</i> , 2018, 13, e0195734.	2.5	17
41	ESTIMATING POSTNATAL DISPERSAL: TRACKING THE UNSEEN DISPERSERS. <i>Ecology</i> , 2005, 86, 1185-1190.	3.2	15
42	Factors Limiting Fruit and Seed Production of a Temperate Shrub, <i>Staphylea trifolia</i> L. (Staphyleaceae). <i>American Journal of Botany</i> , 1985, 72, 453.	1.7	14
43	Biology of Immature <i>Eurybia elvina</i> (Lepidoptera: Riodinidae), a Myrmecophilous Metalmark Butterfly. <i>Annals of the Entomological Society of America</i> , 1987, 80, 513-519.	2.5	13
44	Interactions between plant size and canopy openness influence vital rates and life-history tradeoffs in two neotropical understory herbs. <i>American Journal of Botany</i> , 2015, 102, 1290-1299.	1.7	12
45	Photosynthetic rates influence the population dynamics of understory herbs in stochastic light environments. <i>Ecology</i> , 2017, 98, 370-381.	3.2	10
46	Experimental assemblage of novel plant-herbivore interactions: ecological host shifts after 40 million years of isolation. <i>Biotropica</i> , 2017, 49, 803-810.	1.6	10
47	Growth and survival across a gap-understory gradient: Contrast in performance of sexually vs. clonally produced offspring. <i>American Journal of Botany</i> , 2009, 96, 439-447.	1.7	9
48	A New Way to Integrate Selection When Both Demography and Selection Gradients Vary over Time. <i>International Journal of Plant Sciences</i> , 2010, 171, 945-959.	1.3	9
49	¹⁴ C dating of tree falls on Barro Colorado Island (Panama): a new method to study tropical rain forest gap dynamics. <i>Journal of Tropical Ecology</i> , 1999, 15, 723-735.	1.1	8
50	Early life conditions and precipitation influence the performance of widespread understory herbs in variable light environments. <i>Journal of Ecology</i> , 2017, 105, 1298-1308.	4.0	8
51	How climate affects extreme events and hence ecological population models. <i>Ecology</i> , 2019, 100, e02684.	3.2	8
52	Time-invariant and stochastic disperser-structured matrix models: Invasion rates of fleshy-fruited exotic shrubs. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015, 20, 1639-1662.	0.9	6
53	Introduction History Influences Aboveground Biomass Allocation in Brazilian Peppertree (<i>Schinus molle</i>)	1.1	6
54	Unexplained variability among spatial replicates in transient elasticity: implications for evolutionary ecology and management of invasive species. <i>Population Ecology</i> , 2018, 60, 61-75.	1.2	6

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55	Dispersal of <i>Goeppertia marantifolia</i> clonal offspring increases with greater canopy openness and larger plant size. <i>Journal of Tropical Ecology</i> , 2017, 33, 107-113.	1.1	5
56	Climate, rather than human disturbance, is the main driver of age-specific mortality trajectories in a tropical tree. <i>Ecological Modelling</i> , 2019, 400, 34-40.	2.5	5
57	Large size and high light do not lower the cost of reproduction for the Neotropical herb <i>Goeppertia marantifolia</i> . <i>American Journal of Botany</i> , 2015, 102, 350-357.	1.7	3
58	Seedling maturation drives spatial variability in demographic dynamics of an invader with multiple introductions: insights from an LTRE analysis. <i>Biological Invasions</i> , 2020, 22, 2185-2203.	2.4	1