

# Karen D Holl

## List of Publications by Year in descending order

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122  
papers

9,582  
citations

44069

48  
h-index

40979

93  
g-index

124  
all docs

124  
docs citations

124  
times ranked

10000  
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
2	When and where to actively restore ecosystems?. <i>Forest Ecology and Management</i> , 2011, 261, 1558-1563.	3.2	570
3	Factors Limiting Tropical Rain Forest Regeneration in Abandoned Pasture: Seed Rain, Seed Germination, Microclimate, and Soil. <i>Biotropica</i> , 1999, 31, 229-242.	1.6	472
4	Tropical Montane Forest Restoration in Costa Rica: Overcoming Barriers to Dispersal and Establishment. <i>Restoration Ecology</i> , 2000, 8, 339-349.	2.9	470
5	Mapping carbon accumulation potential from global natural forest regrowth. <i>Nature</i> , 2020, 585, 545-550.	27.8	278
6	A global review of past land use, climate, and active vs. passive restoration effects on forest recovery. <i>PLoS ONE</i> , 2017, 12, e0171368.	2.5	265
7	Tree planting is not a simple solution. <i>Science</i> , 2020, 368, 580-581.	12.6	265
8	Applied nucleation as a forest restoration strategy. <i>Forest Ecology and Management</i> , 2012, 265, 37-46.	3.2	240
9	Using lightweight unmanned aerial vehicles to monitor tropical forest recovery. <i>Biological Conservation</i> , 2015, 186, 287-295.	4.1	212
10	Restoration and repair of Earth's damaged ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172577.	2.6	202
11	Long-term vegetation recovery on reclaimed coal surface mines in the eastern USA. <i>Journal of Applied Ecology</i> , 2002, 39, 960-970.	4.0	190
12	Do Bird Perching Structures Elevate Seed Rain and Seedling Establishment in Abandoned Tropical Pasture?. <i>Restoration Ecology</i> , 1998, 6, 253-261.	2.9	188
13	Effect of shrubs on tree seedling establishment in an abandoned tropical pasture. <i>Journal of Ecology</i> , 2002, 90, 179-187.	4.0	184
14	Cattle Grazing Impacts on Annual Forbs and Vegetation Composition of Mesic Grasslands in California. <i>Conservation Biology</i> , 2003, 17, 1694-1702.	4.7	175
15	Biodiversity conservation in human-modified landscapes of Mesoamerica: Past, present and future. <i>Biological Conservation</i> , 2010, 143, 2301-2313.	4.1	162
16	Testing applied nucleation as a strategy to facilitate tropical forest recovery. <i>Journal of Applied Ecology</i> , 2013, 50, 88-96.	4.0	154
17	Direct seeding of late-successional trees to restore tropical montane forest. <i>Forest Ecology and Management</i> , 2011, 261, 1590-1597.	3.2	153
18	Landscape Restoration: Moving from Generalities to Methodologies. <i>BioScience</i> , 2003, 53, 491.	4.9	151

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19	Guidance for successful tree planting initiatives. <i>Journal of Applied Ecology</i> , 2020, 57, 2349-2361.	4.0	148
20	Restoring tropical forests from the bottom up. <i>Science</i> , 2017, 355, 455-456.	12.6	143
21	Planting Seedlings in Tree Islands Versus Plantations as a Large-scale Tropical Forest Restoration Strategy. <i>Restoration Ecology</i> , 2011, 19, 470-479.	2.9	141
22	Hidden Costs of Passive Restoration. <i>Restoration Ecology</i> , 2014, 22, 284-287.	2.9	138
23	Effects of Species, Habitat, and Distance from Edge on Post-dispersal Seed Predation in a Tropical Rainforest. <i>Biotropica</i> , 1997, 29, 459-468.	1.6	134
24	Paying for Restoration. <i>Restoration Ecology</i> , 2000, 8, 260-267.	2.9	131
25	Globally, functional traits are weak predictors of juvenile tree growth, and we do not know why. <i>Journal of Ecology</i> , 2015, 103, 978-989.	4.0	131
26	Agro-ecological Successional Restoration as a Strategy to Facilitate Tropical Forest Recovery. <i>Restoration Ecology</i> , 2009, 17, 451-459.	2.9	127
27	Integrating plant- and animal-based perspectives for more effective restoration of biodiversity. <i>Frontiers in Ecology and the Environment</i> , 2016, 14, 37-45.	4.0	126
28	Seed dispersal limitations shift over time in tropical forest restoration. <i>Ecological Applications</i> , 2015, 25, 1072-1082.	3.8	108
29	Does Restoration Enhance Regeneration of Seasonal Deciduous Forests in Pastures in Central Brazil?. <i>Restoration Ecology</i> , 2007, 15, 462-471.	2.9	94
30	Local tropical forest restoration strategies affect tree recruitment more strongly than does landscape forest cover. <i>Journal of Applied Ecology</i> , 2017, 54, 1091-1099.	4.0	94
31	Effects of above- and below-ground competition of shrubs and grass on <i>Calophyllum brasiliense</i> (Camb.) seedling growth in abandoned tropical pasture. <i>Forest Ecology and Management</i> , 1998, 109, 187-195.	3.2	88
32	Abundance of introduced species at home predicts abundance away in herbaceous communities. <i>Ecology Letters</i> , 2011, 14, 274-281.	6.4	88
33	What makes ecosystem restoration expensive? A systematic cost assessment of projects in Brazil. <i>Biological Conservation</i> , 2019, 240, 108274.	4.1	88
34	Arrival ≠ Survival. <i>Restoration Ecology</i> , 2013, 21, 153-155.	2.9	78
35	Applicability of landscape and island biogeography theory to restoration of riparian understorey plants. <i>Journal of Applied Ecology</i> , 2004, 41, 922-933.	4.0	77
36	Nectar Resources and Their Influence on Butterfly Communities on Reclaimed Coal Surface Mines. <i>Restoration Ecology</i> , 1995, 3, 76-85.	2.9	72

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37	Factors explaining variability in woody above-ground biomass accumulation in restored tropical forest. <i>Forest Ecology and Management</i> , 2014, 319, 36-43.	3.2	72
38	Litterfall Dynamics Under Different Tropical Forest Restoration Strategies in Costa Rica. <i>Biotropica</i> , 2011, 43, 279-287.	1.6	66
39	Protocol for Monitoring Tropical Forest Restoration. <i>Tropical Conservation Science</i> , 2017, 10, 194008291769726.	1.2	66
40	Comparing the Performance of Tree Stakes and Seedlings to Restore Abandoned Tropical Pastures. <i>Restoration Ecology</i> , 2009, 17, 854-864.	2.9	64
41	Vegetational Community Development on Reclaimed Coal Surface Mines in Virginia. <i>Bulletin of the Torrey Botanical Club</i> , 1994, 121, 327.	0.6	61
42	Direct Seeding to Restore Tropical Mature Forest Species in Areas of Slash-and-Burn Agriculture. <i>Restoration Ecology</i> , 2010, 18, 438-445.	2.9	59
43	Testing heterogeneity-diversity relationships in tropical forest restoration. <i>Oecologia</i> , 2013, 173, 569-578.	2.0	59
44	Applied nucleation facilitates tropical forest recovery: Lessons learned from a 15-year study. <i>Journal of Applied Ecology</i> , 2020, 57, 2316-2328.	4.0	56
45	Patch Size and Tree Species Influence the Number and Duration of Bird Visits in Forest Restoration Plots in Southern Costa Rica. <i>Restoration Ecology</i> , 2009, 17, 479-486.	2.9	53
46	Successional Models as Guides for Restoration of Riparian Forest Understory. <i>Restoration Ecology</i> , 2011, 19, 280-289.	2.9	53
47	Leaf litter arthropod responses to tropical forest restoration. <i>Ecology and Evolution</i> , 2016, 6, 5158-5168.	1.9	53
48	Research Directions in Tropical Forest Restoration. <i>Annals of the Missouri Botanical Garden</i> , 2017, 102, 237-250.	1.3	51
49	Exotic eucalypts: From demonized trees to allies of tropical forest restoration?. <i>Journal of Applied Ecology</i> , 2020, 57, 55-66.	4.0	51
50	HAWAIIAN HONEYCREEPER HOME RANGE SIZE VARIES WITH HABITAT: IMPLICATIONS FOR NATIVE ACACIA KOA FORESTRY. , 2005, 15, 1053-1061.		49
51	Tropical dry-forest regeneration from root suckers in Central Brazil. <i>Journal of Tropical Ecology</i> , 2006, 22, 353-357.	1.1	49
52	The Effect of Coal Surface Mine Reclamation on Diurnal Lepidopteran Conservation. <i>Journal of Applied Ecology</i> , 1996, 33, 225.	4.0	46
53	Functional composition trajectory: a resolution to the debate between Suganuma, Durigan, and Reid. <i>Restoration Ecology</i> , 2016, 24, 1-3.	2.9	45
54	Photosynthetic Responses to Light for Rainforest Seedlings Planted in Abandoned Pasture, Costa Rica. <i>Restoration Ecology</i> , 1999, 7, 382-391.	2.9	44

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55	Regeneration of Seasonal Deciduous Forest Tree Species in Long-Used Pastures in Central Brazil. <i>Biotropica</i> , 2007, 39, 655-659.	1.6	43
56	Patch size effects on avian foraging behaviour: implications for tropical forest restoration design. <i>Journal of Applied Ecology</i> , 2010, 47, 130-138.	4.0	43
57	Landscape Context Mediates Avian Habitat Choice in Tropical Forest Restoration. <i>PLoS ONE</i> , 2014, 9, e90573.	2.5	43
58	Tropical forest recovery and restoration. <i>Trends in Ecology and Evolution</i> , 1999, 14, 378-379.	8.7	42
59	Photosynthetic responses of tree seedlings in grass and under shrubs in early-successional tropical old fields, Costa Rica. <i>Oecologia</i> , 2001, 127, 40-50.	2.0	41
60	Effect of Seed Source, Topsoil Removal, and Plant Neighbor Removal on Restoring California Coastal Prairies. <i>Restoration Ecology</i> , 2006, 14, 569-577.	2.9	41
61	Monitoring and appraisal. , 2002, , 411-432.		39
62	Seed banks in plant conservation: Case study of Santa Cruz tarplant restoration. <i>Biological Conservation</i> , 2007, 135, 57-66.	4.1	39
63	The effect of rabbit herbivory on reforestation of abandoned pasture in southern Costa Rica. <i>Biological Conservation</i> , 1999, 87, 391-395.	4.1	38
64	How Long Do Restored Ecosystems Persist?. <i>Annals of the Missouri Botanical Garden</i> , 2017, 102, 258-265.	1.3	38
65	Lessons on direct seeding to restore Neotropical savanna. <i>Ecological Engineering</i> , 2019, 138, 148-154.	3.6	36
66	Predation and aridity slow down the spread of 21-year-old planted woodland islets in restored Mediterranean farmland. <i>New Forests</i> , 2015, 46, 841-853.	1.7	35
67	Site-specific responses of native and exotic species to disturbances in a mesic grassland community. <i>Applied Vegetation Science</i> , 2003, 6, 235-244.	1.9	32
68	Rules of thumb for predicting tropical forest recovery. <i>Applied Vegetation Science</i> , 2018, 21, 669-677.	1.9	31
69	Overcoming biotic homogenization in ecological restoration. <i>Trends in Ecology and Evolution</i> , 2022, 37, 777-788.	8.7	31
70	Challenges to Introducing and Managing Disturbance Regimes for <i>Holocarpha macradenia</i> , an Endangered Annual Grassland Forb. <i>Conservation Biology</i> , 2006, 20, 1121-1131.	4.7	30
71	Reintroduction of <i>Nassella pulchrata</i> California coastal grasslands: Effects of topsoil removal, plant neighbour removal and grazing. <i>Applied Vegetation Science</i> , 2008, 11, 195-204.	1.9	30
72	Phylogenetic ecology applied to enrichment planting of tropical native tree species. <i>Forest Ecology and Management</i> , 2013, 297, 57-66.	3.2	30

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73	Enrichment planting to restore degraded tropical forest fragments in Brazil. <i>Ecosystems and People</i> , 2019, 15, 3-10.	3.2	29
74	Tailoring restoration interventions to the grassland-savanna-forest complex in central Brazil. <i>Restoration Ecology</i> , 2019, 27, 942-948.	2.9	27
75	Knowledge and Perceptions in Costa Rica Regarding Environment, Population, and Biodiversity Issues. <i>Conservation Biology</i> , 1995, 9, 1548-1558.	4.7	25
76	Effects of Habitat, Cattle Grazing and Selective Logging on Seedling Survival and Growth in Dry Forests of Central Brazil. <i>Biotropica</i> , 2007, 39, 269-274.	1.6	25
77	Knowledge of and attitudes toward population growth and the environment: university students in Costa Rica and the United States. <i>Environmental Conservation</i> , 1999, 26, 66-74.	1.3	20
78	Efficacy of Exotic Control Strategies for Restoring Coastal Prairie Grasses. <i>Invasive Plant Science and Management</i> , 2014, 7, 590-598.	1.1	19
79	Artificial bare patches increase habitat for the endangered Ohlone tiger beetle ( <i>Cicindela ohlone</i> ). <i>Journal of Insect Conservation</i> , 2013, 17, 17-22.	1.4	18
80	Tropical forest restoration enriches vascular epiphyte recovery. <i>Applied Vegetation Science</i> , 2016, 19, 508-517.	1.9	18
81	Effects of dispersal- and niche-based factors on tree recruitment in tropical wet forest restoration. <i>Ecological Applications</i> , 2020, 30, e02139.	3.8	18
82	Reduced aboveground tree growth associated with higher arbuscular mycorrhizal fungal diversity in tropical forest restoration. <i>Ecology and Evolution</i> , 2016, 6, 7253-7262.	1.9	17
83	Seed Banks of Maritime Chaparral and Abandoned Roads: Potential for Vegetation Recovery. <i>Journal of the Torrey Botanical Society</i> , 2000, 127, 207.	0.3	16
84	Migratory bird species in young tropical forest restoration sites: effects of vegetation height, planting design, and season. <i>Bird Conservation International</i> , 2012, 22, 94-105.	1.3	16
85	Litterfall and nutrient dynamics shift in tropical forest restoration sites after a decade of recovery. <i>Biotropica</i> , 2018, 50, 491-498.	1.6	15
86	Integrated Pest Management in Latin America. <i>Environmental Conservation</i> , 1990, 17, 341-350.	1.3	14
87	Leaf traits and phylogeny explain plant survival and community dynamics in response to extreme drought in a restored coastal grassland. <i>Journal of Applied Ecology</i> , 2021, 58, 1670-1680.	4.0	14
88	Importance of Hydrologic and Landscape Heterogeneity for Restoring Bank Swallow ( <i>Riparia riparia</i> ) Colonies along the Sacramento River, California. <i>Restoration Ecology</i> , 2005, 13, 391-402.	2.9	13
89	In-stream habitat and macroinvertebrate responses to riparian corridor length in rangeland streams. <i>Restoration Ecology</i> , 2020, 28, 173-184.	2.9	13
90	Contrasting demographics and persistence of rare annual plants in highly variable environments. <i>Plant Ecology</i> , 2006, 183, 157-170.	1.6	12

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91	Maritime climate influence on chaparral composition and diversity in the coast range of central California. <i>Ecology and Evolution</i> , 2014, 4, 3662-3674.	1.9	12
92	The Fertility Plateau in Costa Rica: a Review of Causes and Remedies. <i>Environmental Conservation</i> , 1993, 20, 317-323.	1.3	11
93	Which of the plethora of tree-growing projects to support?. <i>One Earth</i> , 2022, 5, 452-455.	6.8	11
94	Cluster planting facilitates survival but not growth in early development of restored tropical forest. <i>Basic and Applied Ecology</i> , 2016, 17, 489-496.	2.7	10
95	Riparian forest recovery following a decade of cattle exclusion in the Colombian Andes. <i>Forest Ecology and Management</i> , 2019, 452, 117563.	3.2	10
96	RESTORING NATIVE GRASSES AS VEGETATIVE BUFFERS IN A COASTAL CALIFORNIA AGRICULTURAL LANDSCAPE. <i>Madroño</i> , 2007, 54, 249-257.	0.4	9
97	Scale-dependent effects of forest restoration on Neotropical fruit bats. <i>Restoration Ecology</i> , 2015, 23, 681-689.	2.9	9
98	Homogenizing biodiversity in restoration: the "perennialization" of California prairies. <i>Restoration Ecology</i> , 2018, 26, 1061-1065.	2.9	9
99	Site-specific responses of native and exotic species to disturbances in a mesic grassland community. <i>Applied Vegetation Science</i> , 2003, 6, 235.	1.9	9
100	Ecosystem restoration job creation potential in Brazil. <i>People and Nature</i> , 2022, 4, 1426-1434.	3.7	8
101	ECOLOGICAL RESTORATION IN CALIFORNIA: CHALLENGES AND PROSPECTS. <i>Madroño</i> , 2007, 54, 215-224.	0.4	7
102	Manipulating disturbance regimes and seeding to restore mesic Mediterranean grasslands. <i>Applied Vegetation Science</i> , 2011, 14, 304-315.	1.9	7
103	Proximity and abundance of mother trees affects recruitment patterns in a long-term tropical forest restoration study. <i>Ecography</i> , 2021, 44, 1826-1837.	4.5	7
104	Writing for an International Audience. <i>Restoration Ecology</i> , 2010, 18, 135-137.	2.9	6
105	Multi-scale habitat selection of key frugivores predicts large-seeded tree recruitment in tropical forest restoration. <i>Ecosphere</i> , 2021, 12, .	2.2	6
106	Passive restoration can be an effective strategy: a reply to Prach and del Moral (2015). <i>Restoration Ecology</i> , 2015, 23, 347-348.	2.9	5
107	Lessons from the reintroduction of listed plant species in California. <i>Biodiversity and Conservation</i> , 2020, 29, 3703-3716.	2.6	5
108	Degree of intervention affects interannual and within-plot heterogeneity of seed arrival in tropical forest restoration. <i>Journal of Applied Ecology</i> , 2021, 58, 1693.	4.0	5

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109	Effects of insect herbivory on seedling mortality in restored and remnant tropical forest. <i>Restoration Ecology</i> , 2022, 30, e13467.	2.9	5
110	Do birds bias measurements of seed rain?. <i>Journal of Tropical Ecology</i> , 2012, 28, 421-422.	1.1	4
111	Applied nucleation is a straightforward, cost-effective forest restoration approach: reply to Ram-Árez-Soto et al. (2018). <i>Restoration Ecology</i> , 2018, 26, 618-619.	2.9	4
112	TROPICAL MOIST FOREST RESTORATION ON AGRICULTURAL LAND IN LATIN AMERICA. , 1998, , 25-41.		4
113	Rewilding and restoring nature in a changing world. <i>PLoS ONE</i> , 2021, 16, e0254249.	2.5	3
114	Are There Benefits of Bat Roosts for Tropical Forest Restoration?. <i>Conservation Biology</i> , 2008, 22, 1090-1090.	4.7	2
115	Guidance Needed on Setting Dynamic Conservation Targets: A Response to Hiers et al.. <i>Trends in Ecology and Evolution</i> , 2017, 32, 238-239.	8.7	2
116	We agree with Larkin et al. . 2019: restoration is context specific. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191179.	2.6	2
117	Vegetative spread is key to applied nucleation success in non-native-dominated grasslands. <i>Restoration Ecology</i> , 2021, 29, e13330.	2.9	2
118	Can Nucleation Bridge to Desirable Alternative Stable States? Theory and Applications. <i>Bulletin of the Ecological Society of America</i> , 2022, 103, e01953.	0.2	2
119	Alluring restoration strategies to attract seed-dispersing animals need more rigorous testing. <i>Journal of Applied Ecology</i> , 2022, 59, 649-652.	4.0	2
120	Foundations of Restoration Ecology Edited by Donald A. Falk, Margaret A. Palmer, and Joy B. Zedler. <i>Restoration Ecology</i> , 2007, 15, 592-593.	2.9	1
121	There's no place like home. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 318-318.	4.0	0
122	GERMINATION OF MULTI-YEAR COLLECTIONS OF CALIFORNIA GRASSLAND AND SCRUB SEEDS. <i>Madroño</i> , 2020, 67, .	0.4	0