

# Lawrence R Walker

## List of Publications by Citations

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112  
papers

9,843  
citations

46  
h-index

99  
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129  
ext. papers

11,132  
ext. citations

4  
avg, IF

6.27  
L-index

#	Paper	IF	Citations
112	COMPETITION AND FACILITATION: A SYNTHETIC APPROACH TO INTERACTIONS IN PLANT COMMUNITIES. <i>Ecology</i> , <b>1997</b> , 78, 1958-1965	4.6	1266
111	Biological Invasion by <i>Myrica Faya</i> in Hawaii: Plant Demography, Nitrogen Fixation, Ecosystem Effects. <i>Ecological Monographs</i> , <b>1989</b> , 59, 247-265	9	867
110	Ecosystem properties and forest decline in contrasting long-term chronosequences. <i>Science</i> , <b>2004</b> , 305, 509-13	33.3	765
109	Mechanisms of Primary Succession Following Deglaciation at Glacier Bay, Alaska. <i>Ecological Monographs</i> , <b>1994</b> , 64, 149-175	9	705
108	The use of chronosequences in studies of ecological succession and soil development. <i>Journal of Ecology</i> , <b>2010</b> , 98, 725-736	6	687
107	Primary Succession and Ecosystem Rehabilitation <b>2003</b> ,		453
106	Understanding ecosystem retrogression. <i>Ecological Monographs</i> , <b>2010</b> , 80, 509-529	9	280
105	Nutrient limitations to plant growth during primary succession in Hawaii Volcanoes National Park. <i>Biogeochemistry</i> , <b>1993</b> , 23, 197-215	3.8	214
104	Four opportunities for studies of ecological succession. <i>Trends in Ecology and Evolution</i> , <b>2011</b> , 26, 119-231	10.9	211
103	Tree Damage and Recovery From Hurricane Hugo in Luquillo Experimental Forest, Puerto Rico. <i>Biotropica</i> , <b>1991</b> , 23, 379	2.3	211
102	Interactions among Processes Controlling Successional Change. <i>Oikos</i> , <b>1987</b> , 50, 131	4	187
101	Summary of the Effects of Caribbean Hurricanes on Vegetation. <i>Biotropica</i> , <b>1991</b> , 23, 442	2.3	185
100	Ecological mitigation of hillslope instability: ten key issues facing researchers and practitioners. <i>Plant and Soil</i> , <b>2014</b> , 377, 1-23	4.2	184
99	The Role of Life History Processes in Primary Succession on an Alaskan Floodplain. <i>Ecology</i> , <b>1986</b> , 67, 1243-1253	4.6	177
98	Ecosystem Development and Plant Succession on Landslides in the Caribbean. <i>Biotropica</i> , <b>1996</b> , 28, 566	2.3	155
97	An Invader Alters Germination and Growth of Native Dominant Tree in Hawaii. <i>Ecology</i> , <b>1991</b> , 72, 1449-1465	4.5	145
96	Is successional research nearing its climax? New approaches for understanding dynamic communities. <i>Functional Ecology</i> , <b>2015</b> , 29, 154-164	5.6	136

95	Physiological Controls Over Seedling Growth in Primary Succession on an Alaskan Floodplain. <i>Ecology</i> , <b>1986</b> , 67, 1508-1523	4.6	131
94	Impact of coloniser plant species on the development of decomposer microbial communities following deglaciation. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 555-559	7.5	126
93	Punching above their weight: low-biomass non-native plant species alter soil properties during primary succession. <i>Oikos</i> , <b>2009</b> , 118, 1001-1014	4	116
92	Effects of fern thickets on woodland development on landslides in Puerto Rico. <i>Journal of Vegetation Science</i> , <b>1994</b> , 5, 525-532	3.1	110
91	An Introduction to Hurricanes in the Caribbean. <i>Biotropica</i> , <b>1991</b> , 23, 313	2.3	106
90	Differential Seedling Responses to Litter After Hurricane Hugo in the Luquillo Experimental Forest, Puerto Rico. <i>Biotropica</i> , <b>1991</b> , 23, 407	2.3	98
89	Bird Perches Increase Forest Seeds on Puerto Rican Landslides. <i>Restoration Ecology</i> , <b>2003</b> , 11, 457-465	3.1	91
88	Lessons from primary succession for restoration of severely damaged habitats. <i>Applied Vegetation Science</i> , <b>2009</b> , 12, 55-67	3.3	84
87	Introduction: Disturbance and Caribbean Ecosystems. <i>Biotropica</i> , <b>1996</b> , 28, 414	2.3	83
86	The response of plant diversity to ecosystem retrogression: evidence from contrasting long-term chronosequences. <i>Oikos</i> , <b>2008</b> , 117, 93-103	4	77
85	An Altitudinal Comparison of Growth and Species Composition in Hurricane- Damaged Forests in Puerto Rico. <i>Journal of Ecology</i> , <b>1996</b> , 84, 877	6	75
84	Colonization dynamics and facilitative impacts of a nitrogen-fixing shrub in primary succession. <i>Journal of Vegetation Science</i> , <b>2003</b> , 14, 277-290	3.1	73
83	Litterfall and nutrient cycling in four Hawaiian montane rainforests. <i>Journal of Tropical Ecology</i> , <b>1995</b> , 11, 189-203	1.3	73
82	Early successional woody plants facilitate and ferns inhibit forest development on Puerto Rican landslides. <i>Journal of Ecology</i> , <b>2010</b> , 98, 625-635	6	72
81	Immediate Impact of Hurricane Hugo on a Puerto Rican Rain Forest. <i>Ecology</i> , <b>1992</b> , 73, 691-694	4.6	72
80	Plant successional pathways on Puerto Rican landslides. <i>Journal of Tropical Ecology</i> , <b>1997</b> , 13, 165-173	1.3	71
79	Plant and soil recovery along a series of abandoned desert roads. <i>Journal of Arid Environments</i> , <b>2000</b> , 46, 1-24	2.5	70
78	Posthurricane Seed Rain Dynamics in Puerto Rico. <i>Biotropica</i> , <b>1993</b> , 25, 408	2.3	67

77	Responses of Tropical Plants to Nutrients and Light on a Landslide in Puerto Rico. <i>Journal of Ecology</i> , <b>1996</b> , 84, 331	6	66
76	Plant succession as an integrator of contrasting ecological time scales. <i>Trends in Ecology and Evolution</i> , <b>2014</b> , 29, 504-10	10.9	65
75	Landsliding and Its Multiscale Influence on Mountainscapes. <i>BioScience</i> , <b>2009</b> , 59, 685-698	5.7	64
74	Among- and within-species variation in plant litter decomposition in contrasting long-term chronosequences. <i>Functional Ecology</i> , <b>2009</b> , 23, 442-453	5.6	60
73	Post-disturbance erosion impacts carbon fluxes and plant succession on recent tropical landslides. <i>Plant and Soil</i> , <b>2008</b> , 313, 205-216	4.2	59
72	Soil factors predict initial plant colonization on Puerto Rican landslides. <i>Plant Ecology</i> , <b>2008</b> , 195, 165-178.	4.7	59
71	Plant characteristics are poor predictors of microsite colonization during the first two years of primary succession. <i>Journal of Vegetation Science</i> , <b>2006</b> , 17, 397-406	3.1	56
70	Soil Nitrogen Changes during Primary Succession on a Floodplain in Alaska, U.S.A.. <i>Arctic and Alpine Research</i> , <b>1989</b> , 21, 341		54
69	Contrasting impacts of a native and an invasive exotic shrub on flood-plain succession. <i>Journal of Vegetation Science</i> , <b>2005</b> , 16, 135-142	3.1	53
68	Species-specific Seedling Responses to Hurricane Disturbance in a Puerto Rican Rain Forest <sup>1</sup> . <i>Biotropica</i> , <b>2003</b> , 35, 472-485	2.3	51
67	Loss of a dominant nitrogen-fixing shrub in primary succession: consequences for plant and below-ground communities. <i>Journal of Ecology</i> , <b>2012</b> , 100, 1074-1084	6	47
66	Post-eruption Legacy Effects and Their Implications for Long-Term Recovery of the Vegetation on Kasatochi Island, Alaska. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2010</b> , 42, 285-296	1.8	46
65	Seedling and Sapling Dynamics of Treefall Pits in Puerto Rico <sup>1</sup> . <i>Biotropica</i> , <b>2000</b> , 32, 262-275	2.3	46
64	Timing of post-hurricane tree mortality in Puerto Rico. <i>Journal of Tropical Ecology</i> , <b>1995</b> , 11, 315-320	1.3	45
63	Plant and soil responses to fire on a fern-covered landslide in Puerto Rico. <i>Journal of Tropical Ecology</i> , <b>1995</b> , 11, 473-479	1.3	45
62	Biological legacies: Direct early ecosystem recovery and food web reorganization after a volcanic eruption in Alaska. <i>Ecoscience</i> , <b>2013</b> , 20, 240-251	1.1	42
61	Applying lessons from ecological succession to the restoration of landslides. <i>Plant and Soil</i> , <b>2009</b> , 324, 157-168	4.2	42
60	Differences between primary and secondary plant succession among biomes of the world. <i>Journal of Ecology</i> , <b>2019</b> , 107, 510-516	6	41

59	Changes in abiotic influences on seed plants and ferns during 18 years of primary succession on Puerto Rican landslides. <i>Journal of Ecology</i> , <b>2013</b> , 101, 650-661	6	36
58	Ferns, disturbance and succession 177-219		34
57	Integrating Restoration and Succession <b>2007</b> , 168-179		32
56	Growth and Fertilization Responses of Hawaiian Tree Ferns. <i>Biotropica</i> , <b>1994</b> , 26, 378	2.3	32
55	Integration of the study of natural and anthropogenic disturbances using severity gradients. <i>Austral Ecology</i> , <b>2011</b> , 36, 916-922	1.5	30
54	The Ecology of Disturbance Interactions. <i>BioScience</i> , <b>2020</b> , 70, 854-870	5.7	30
53	Organic matter inputs create variable resource patches on Puerto Rican landslides. <i>Plant Ecology</i> , <b>2006</b> , 184, 223-236	1.7	21
52	Seed germination of the invasive plant <i>Brassica tournefortii</i> (Sahara mustard) in the Mojave Desert. <i>Western North American Naturalist</i> , <b>2008</b> , 68, 334-342	0.4	20
51	The Impacts of the 2008 Eruption of Kasatochi Volcano on Terrestrial and Marine Ecosystems in the Aleutian Islands, Alaska. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2010</b> , 42, 245-249	1.8	19
50	Insights Gained from Succession for the Restoration of Landscape Structure and Function <b>2007</b> , 19-44		19
49	Effects of Seeding on Road Revegetation in the Mojave Desert, Southern Nevada. <i>Ecological Restoration</i> , <b>1999</b> , 17, 150-155	1.1	18
48	Problem ferns: their impact and management 255-322		17
47	Competitive abilities of <i>Tamarix aphylla</i> in southern Nevada. <i>Plant Ecology</i> , <b>2009</b> , 202, 159-167	1.7	16
46	Ecological importance of ferns <b>2010</b> , 1-21		15
45	TAMARIX APHYLLA: A NEWLY INVASIVE TREE IN SOUTHERN NEVADA. <i>Western North American Naturalist</i> , <b>2006</b> , 66, 191-201	0.4	14
44	Soil Water Retention on Gold Mine Surfaces in the Mojave Desert. <i>Restoration Ecology</i> , <b>2001</b> , 9, 95-103	3.1	14
43	Optimization of intervention levels in ecological restoration. <i>Applied Vegetation Science</i> , <b>2014</b> , 17, 187-193	3.2	13
42	An invasive tree fern alters soil and plant nutrient dynamics in Hawaii. <i>Biological Invasions</i> , <b>2013</b> , 15, 355-370	3.7	12

41	Nutrient ecology of ferns 111-139		12
40	Comparative Plant Succession among Terrestrial Biomes of the World 2020,		12
39	Non-Native Plants Disrupt Dual Promotion of Native Alpha and Beta Diversity. <i>Folia Geobotanica</i> , 2013, 48, 319-333	1.4	11
38	Fern conservation 2010, 323-359		9
37	Effect of <i>Coriaria arborea</i> on seed banks during primary succession on Mt Tarawera, New Zealand. <i>New Zealand Journal of Botany</i> , 2002, 40, 629-638	1	8
36	Rodent mounds facilitate shrubs and shrubs inhibit seedlings in the Mojave Desert, USA. <i>Journal of Arid Environments</i> , 2015, 113, 95-101	2.5	6
35	Crevice-Nesting Auklets are Early-Successional Species Requiring Disturbance to Persist. <i>Arctic, Antarctic, and Alpine Research</i> , 2017, 49, 585-599	1.8	6
34	Current and future directions in fern ecology 2010, 360-378		6
33	Plant characteristics are poor predictors of microsite colonization during the first two years of primary succession 2006, 17, 397		5
32	Primary Succession		5
31	Regeneration dynamics of Great Basin bristlecone pine in southern Nevada. <i>Canadian Journal of Forest Research</i> , 2020, 50, 589-594	1.9	2
30	Restoring Soil and Ecosystem Processes 2005, 192-196		2
29	Terrestrial Biomes 2020, 20-50		1
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27	Rust Prevention on Dendrometer Bands. <i>Biotropica</i> , 1988, 20, 336	2.3	1
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1 Species-specific Seedling Responses to Hurricane Disturbance in a Puerto Rican Rain Forest1.  
*Biotropica*, **2003**, 35, 472

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