Ariel E Lugo

List of Publications by Year
in descending order

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102	12,955	50276	49909
papers	citations	46 h-index	87 g-index

109	109	109	12636
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Climate Change and Forest Disturbances. BioScience, 2001, 51, 723.	4.9	1,682
2	Novel ecosystems: theoretical and management aspects of the new ecological world order. Global Ecology and Biogeography, 2006, 15, 1-7.	5.8	1,528
3	Tropical secondary forests. Journal of Tropical Ecology, 1990, 6, 1-32.	1.1	995
4	Don't judge species on their origins. Nature, 2011, 474, 153-154.	27.8	781
5	The Storage and Production of Organic Matter in Tropical Forests and Their Role in the Global Carbon Cycle. Biotropica, 1982, 14, 161.	1.6	674
6	The Potential for Species Conservation in Tropical Secondary Forests. Conservation Biology, 2009, 23, 1406-1417.	4.7	489
7	The spread of invasive species and infectious disease as drivers of ecosystem change. Frontiers in Ecology and the Environment, 2008, 6, 238-246.	4.0	457
8	Managing the whole landscape: historical, hybrid, and novel ecosystems. Frontiers in Ecology and the Environment, 2014, 12, 557-564.	4.0	378
9	Comparison of Tropical Tree Plantations with Secondary Forests of Similar Age. Ecological Monographs, 1992, 62, 1-41.	5.4	320
10	The apparent paradox of reestablishing species richness on degraded lands with tree monocultures. Forest Ecology and Management, 1997, 99, 9-19.	3.2	300
11	Emerging forests on abandoned land: Puerto Ricoâ€™s new forests. Forest Ecology and Management, 2004, 190, 145-161.	3.2	260
12	Mangroves of Arid Environments in Puerto Rico and Adjacent Islands. Biotropica, 1978, 10, 110.	1.6	256
13	Background and Catastrophic Tree Mortality in Tropical Moist, Wet, and Rain Forests. Biotropica, 1996, 28, 585.	1.6	219
14	Effects of forest clearing and succession on the carbon and nitrogen content of soils in Puerto Rico and US Virgin Islands. Plant and Soil, 1990, 124, 53-64.	3.7	214
15	Ecosystem Dynamics of a Subtropical Floodplain Forest. Ecological Monographs, 1985, 55, 351-369.	5.4	208
16	Management of tropical soils as sinks or sources of atmospheric carbon. Plant and Soil, 1993, 149, 27-41.	3.7	199
17	Rehabilitation of Tropical Lands: A Key to Sustaining Development. Restoration Ecology, 1994, 2, 97-111.	2.9	175
18	The Quantity and Turnover of Dead Wood in Permanent Forest Plots in Six Life Zones of Venezuela1. Biotropica, 1998, 30, 2-11.	1.6	167

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19	The outcome of alien tree invasions in Puerto Rico. Frontiers in Ecology and the Environment, 2004, 2, 265-273.	4.0	161
20	Land use and organic carbon content of some subtropical soils. Plant and Soil, 1986, 96, 185-196.	3.7	160
21	Geomorphology, disturbance, and the soil and vegetation of two subtropical wet steepland watersheds of Puerto Rico. Geomorphology, 1995, 13, 199-213.	2.6	160
22	Tropical forests as sinks of atmospheric carbon. Forest Ecology and Management, 1992, 54, 239-255.	3.2	157
23	Above- and belowground organic matter storage and production in a tropical pine plantation and a paired broadleaf secondary forest. Plant and Soil, 1991, 135, 257-268.	3.7	136
24	Ecosystem Management in the Context of Large, Infrequent Disturbances. Ecosystems, 1998, 1, 546-557.	3.4	115
25	Hurricane Hugo: damage to a tropical rain forest in Puerto Rico. Journal of Tropical Ecology, 1992, 8, 47-55.	1.1	112
26	CARBON SEQUESTRATION AND PLANT COMMUNITY DYNAMICS FOLLOWING REFORESTATION OF TROPICAL PASTURE. , 2004, 14, 1115-1127.		110
27	Cross-system comparisons elucidate disturbance complexities and generalities. Ecosphere, 2011, 2, art81.	2.2	107
28	Nutrient dynamics of a Puerto Rican subtropical dry forest. Journal of Tropical Ecology, 1986, 2, 55-72.	1.1	106
29	Effects and outcomes of Caribbean hurricanes in a climate change scenario. Science of the Total Environment, 2000, 262, 243-251.	8.0	104
30	Biomass of tropical tree plantations and its implications for the global carbon budget. Canadian Journal of Forest Research, 1986, 16, 390-394.	1.7	100
31	Recovery of a Subtropical Dry Forest After Abandonment of Different Land Uses1. Biotropica, 2006, 38, 354-364.	1.6	99
32	The Emerging Era of Novel Tropical Forests. Biotropica, 2009, 41, 589-591.	1.6	90
33	Dynamics of organic matter and nutrient return from litterfall in stands of ten tropical tree plantation species. Forest Ecology and Management, 1998, 112, 263-279.	3.2	85
34	Management of Tropical Biodiversity. , 1995, 5, 956-961.		79
35	Nutrients and mass in litter and top soil of ten tropical tree plantations. Plant and Soil, 1990, 125, 263-280.	3.7	76
36	An analytical review of production rates and stemwood biomass of tropical forest plantations. Forest Ecology and Management, 1988, 23, 179-200.	3.2	75

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37	Conversion and recovery of Puerto Rican mangroves: 200 years of change. Forest Ecology and Management, 2009, 257, 75-84.	3.2	75
38	Changes in Structure, Composition, and Nutrients During 15â€ƒYr of Hurricaneâ€Induced Succession in a Subtropical Wet Forest in Puerto Rico. Biotropica, 2010, 42, 455-463.	1.6	68
39	Forecasting effects of sea-level rise and windstorms on coastal and inland ecosystems. Frontiers in Ecology and the Environment, 2008, 6, 255-263.	4.0	65
40	A Flood Plain Palm Forest in the Luquillo Mountains of Puerto Rico Five Years After Hurricane Hugo1. Biotropica, 1998, 30, 339-348.	1.6	64
41	Comparison of nutrient-use efficiency and biomass production in five tropical tree taxa. Forest Ecology and Management, 1991, 46, 1-21.	3.2	59
42	Effects of Changes in Biodiversity on Ecosystem Function in Tropical Forests. Conservation Biology, 1996, 10, 17-24.	4.7	59
43	Leaf production, growth rate, and age of the palm Prestoea montana in the Luquillo Experimental Forest, Puerto Rico. Journal of Tropical Ecology, 1987, 3, 151-161.	1.1	54
44	Factors influencing spatial pattern in tropical forest clearance and stand age: Implications for carbon storage and species diversity. Journal of Geophysical Research, 2008, 113, .	3.3	54
45	Soil Organic Matter in Secondary Forests of Puerto Rico. Biotropica, 1987, 19, 17.	1.6	51
46	A Twelve-Year Comparison of Stand Changes in a Mahogany Plantation and a Paired Natural Forest of Similar Age. Biotropica, 1996, 28, 515.	1.6	49
47	Old-Growth Mangrove Forests in the United States. Bosques Maduros de Manglares en los Estados Unidos. Conservation Biology, 1997, 11, 11-20.	4.7	49
48	Mangrove Forests: a Tough System to Invade but an Easy one to Rehabilitate. Marine Pollution Bulletin, 1999, 37, 427-430.	5.0	48
49	The Future of the Forest. Environment, 1988, 30, 16-45.	1.4	46
50	Relationship Between Aboveground Biomass and Multiple Measures of Biodiversity in Subtropical Forest of Puerto Rico. Biotropica, 2010, 42, 290-299.	1.6	45
51	Can we manage tropical landscapes? â€“ an answer from the Caribbean perspective. Landscape Ecology, 2002, 17, 601-615.	4.2	43
52	Mangrove understory: an expensive luxury?. Journal of Tropical Ecology, 1986, 2, 287-288.	1.1	41
53	A comparative analysis of biomass production in five tropical tree species. Forest Ecology and Management, 1990, 31, 153-166.	3.2	41
54	Catastrophic and background disturbance of tropical ecosystems at the Luquillo Experimental Forest. Journal of Biosciences, 1993, 18, 475-481.	1.1	38

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55	Nutrient relations of dwarf Rhizophora mangle L. mangroves on peat in eastern Puerto Rico. Plant Ecology, 2010, 207, 13-24.	1.6	37
56	Land use history, hurricane disturbance, and the fate of introduced species in a subtropical wet forest in Puerto Rico. Plant Ecology, 2007, 192, 289-301.	1.6	36
57	Interactions between lithology and biology drive the long-term response of stream chemistry to major hurricanes in a tropical landscape. Biogeochemistry, 2013, 116, 175-186.	3.5	32
58	Ecosystem-Level Properties of the Luquillo Exerpimental Forest with Emphasis on the Tabonuco Forest. Ecological Studies, 1995, , 59-108.	1.2	30
59	Research in the Luquillo Experimental Forest Has Advanced Understanding of Tropical Forests and Resolved Management Issues. , 2014, , 435-461.		30
60	Climate shapes the novel plant communities that form after deforestation in Puerto Rico and the U.S. Virgin Islands. Forest Ecology and Management, 2009, 258, 1704-1718.	3.2	29
61	Will concern for biodiversity spell doom to tropical forest management?. Science of the Total Environment, 1999, 240, 123-131.	8.0	26
62	Effects of Extreme Disturbance Events: From Ecesis to Socialâ€“Ecologicalâ€“Technological Systems. Ecosystems, 2020, 23, 1726-1747.	3.4	24
63	Forested wetlands in freshwater and salt-water environments. Limnology and Oceanography, 1988, 33, 894-909.	3.1	23
64	Mineral content of leaves from trees growing on serpentine soils under contrasting rainfall regimes in Puerto Rico. Plant and Soil, 1994, 158, 13-21.	3.7	23
65	Structure and species composition of novel forests dominated by an introduced species in northcentral Puerto Rico. New Forests, 2010, 39, 1-18.	1.7	23
66	Controls on fallen leaf chemistry and forest floor element masses in native and novel forests across a tropical island. Ecosphere, 2014, 5, 1-28.	2.2	23
67	Novel Tropical Forests: Nature's Response to Global Change. Tropical Conservation Science, 2013, 6, 325-337.	1.2	22
68	The search for carbon sinks in the tropics. Water, Air, and Soil Pollution, 1992, 64, 3-9.	2.4	20
69	The inland mangroves of Inagua. Journal of Natural History, 1981, 15, 845-852.	0.5	19
70	Novel dry forests in southwestern Puerto Rico. Forest Ecology and Management, 2011, 262, 170-177.	3.2	19
71	Geomorphology, disturbance, and the soil and vegetation of two subtropical wet steepland watersheds of Puerto Rico. , 1995, , 199-213.		15
72	Future Land-Use Changes and the Potential for Novelty in Ecosystems of the United States. Ecosystems, 2015, 18, 1332-1342.	3.4	13

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73	Case Study: Geographic Distribution and Level of Novelty of Puerto Rican Forests. , 2013, , 81-87.		12
74	Trailblazing the Carbon Cycle of Tropical Forests from Puerto Rico. Forests, 2017, 8, 101.	2.1	12
75	Survival and rebound of Antillean dry forests: Role of forest fragments. Forest Ecology and Management, 2012, 284, 124-132.	3.2	11
76	New mix of alien and native species coexists in Puerto Rico's landscapes. , 2005, , 484-509.		10
77	Allometry, biomass, and chemical content of Novel African Tulip Tree (Spathodea campanulata) Forests in Puerto Rico. New Forests, 2011, 42, 267.	1.7	10
78	Novelty in the tropical forests of the 21st century. Advances in Ecological Research, 2020, , 53-116.	2.7	10
79	Comparing Tropical and Temperate Forests. , 1991, , 319-330.		10
80	Substrate Chemistry and Rainfall Regime Regulate Elemental Composition of Tree Leaves in Karst Forests. Forests, 2017, 8, 182.	2.1	9
81	Mangrove Forests. , 2014, , 343-352.		9
82	Caribbean island landscapes: indicators of the effects of economic growth on the region. Environment and Development Economics, 1996, 1, 128-136.	1.5	8
83	Novelty and Its Ecological Implications to Dry Forest Functioning and Conservation. Forests, 2017, 8, 161.	2.1	8
84	Characterization of ten extreme disturbance events in the context of social and ecological systems. Biogeochemistry, 2018, 141, 385-400.	3.5	8
85	Tropical Forests: Their Future and Our Future. Ecological Studies, 1995, , 3-17.	1.2	8
86	Biodiversity and Biogeochemical Cycles. Ecological Studies, 1996, , 49-67.	1.2	8
87	Post Sugar Cane Succession in Moist Alluvial Sites in Puerto Rico. , 2008, , 73-92.		7
88	Removal of Exotic Organisms. Conservation Biology, 1990, 4, 345-345.	4.7	6
89	Biomass and Nutrient Dynamics of Restored Neotropical Forests. Water, Air and Soil Pollution, 2004, 4, 731-746.	0.8	5
90	Landscape effects on structure and species composition of tabonuco forests in Puerto Rico: Implications for conservation. Forest Ecology and Management, 2012, 266, 138-147.	3.2	5

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91	Bryophyte Species Diversity in Secondary Forests Dominated by the Introduced Species Spathodea campanulata Beauv. in Puerto Rico. Biotropica, 2012, 44, 763-770.	1.6	5
92	More on Exotic Species. Conservation Biology, 1992, 6, 6-6.	4.7	4
93	Biomass and Nutrient Dynamics of Restored Neotropical Forests. , 2004, , 731-746.		4
94	The Search for Carbon Sinks in the Tropics. , 1992, , 3-9.		4
95	F. Berkes (ed.). 1989. Common property resources. Ecology and community-based sustainable development. Belhaven Press (Pinter Publishers). 302 pages. ISBN 1-85293-080-2. Price: Â£32.50 (hardback).. Journal of Tropical Ecology, 1990, 6, 332-332.	1.1	3
96	NINETY YEARS OF PLANT ECOLOGY RESEARCH IN PUERTO RICO. Annals of the New York Academy of Sciences, 1996, 776, 73-88.	3.8	2
97	Structure and Dynamics of Mahogany Plantations in Puerto Rico. , 2003, , 288-328.		2
98	Tropical Conservation Biology, BY NAVJOT S. SODHI, BARRY W. BROOK AND COREY J.A. BRADSHAW, xii + 332 pp., 136 figs, 24.5 Ã— 17 Ã— 1.5 cm, ISBN 978 1 4051 5073 6 paperback, GBÂ£ 29.99, Oxford, UK: Blackwell Publishing Ltd, 2007. Environmental Conservation, 2008, 35, 363.	1.3	1
99	Conundrums, Paradoxes, and Surprises: A Brave New World of Biodiversity Conservation. , 2011, , 1-12.		1
100	O. Huber (ed.). 1986. La selva nublada de Rancho Grande, Parque Nacional â€˜Henri Pittier.â€™Editorial Arte, Caracas Venezuela. 288 pages. ISBN-980-201-002-2. Price: $6.00. (Paperback only. In Spanish).. Journal of Tropical Ecology, 1987, 3, 281-283.	1.1	0
101	G. H. Orians, G. M. BrownJr, W. E. Kunin & J. E. Swierzbinski (eds). 1991. Preservation and valuation of biological resources: an impossible dream?University of Washington Press, Seattle, USA. x + 301 pages. ISBN 0-295-97004-9. Price: $40.00 (hardback).. Journal of Tropical Ecology, 1993, 9, 197-198.	1.1	0
102	Concluding Remarks: Moving Forward on Scientific Knowledge and Management Approaches to Tropical Forests in the Anthropocene Epoch. Forests, 2019, 10, 572.	2.1	0