

Ariel E Lugo

List of Publications by Year in descending order

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102
papers

12,955
citations

50276

46
h-index

49909

87
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109
all docs

109
docs citations

109
times ranked

12636
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Extreme Disturbance Events: From Ecosystems to Social-Ecological-Technological Systems. <i>Ecosystems</i> , 2020, 23, 1726-1747.	3.4	24
2	Novelty in the tropical forests of the 21st century. <i>Advances in Ecological Research</i> , 2020, , 53-116.	2.7	10
3	Concluding Remarks: Moving Forward on Scientific Knowledge and Management Approaches to Tropical Forests in the Anthropocene Epoch. <i>Forests</i> , 2019, 10, 572.	2.1	0
4	Characterization of ten extreme disturbance events in the context of social and ecological systems. <i>Biogeochemistry</i> , 2018, 141, 385-400.	3.5	8
5	Trailblazing the Carbon Cycle of Tropical Forests from Puerto Rico. <i>Forests</i> , 2017, 8, 101.	2.1	12
6	Novelty and Its Ecological Implications to Dry Forest Functioning and Conservation. <i>Forests</i> , 2017, 8, 161.	2.1	8
7	Substrate Chemistry and Rainfall Regime Regulate Elemental Composition of Tree Leaves in Karst Forests. <i>Forests</i> , 2017, 8, 182.	2.1	9
8	Future Land-Use Changes and the Potential for Novelty in Ecosystems of the United States. <i>Ecosystems</i> , 2015, 18, 1332-1342.	3.4	13
9	Managing the whole landscape: historical, hybrid, and novel ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 557-564.	4.0	378
10	Controls on fallen leaf chemistry and forest floor element masses in native and novel forests across a tropical island. <i>Ecosphere</i> , 2014, 5, 1-28.	2.2	23
11	Mangrove Forests. , 2014, , 343-352.		9
12	Research in the Luquillo Experimental Forest Has Advanced Understanding of Tropical Forests and Resolved Management Issues. , 2014, , 435-461.		30
13	Case Study: Geographic Distribution and Level of Novelty of Puerto Rican Forests. , 2013, , 81-87.		12
14	Interactions between lithology and biology drive the long-term response of stream chemistry to major hurricanes in a tropical landscape. <i>Biogeochemistry</i> , 2013, 116, 175-186.	3.5	32
15	Novel Tropical Forests: Nature's Response to Global Change. <i>Tropical Conservation Science</i> , 2013, 6, 325-337.	1.2	22
16	Survival and rebound of Antillean dry forests: Role of forest fragments. <i>Forest Ecology and Management</i> , 2012, 284, 124-132.	3.2	11
17	Landscape effects on structure and species composition of tabonuco forests in Puerto Rico: Implications for conservation. <i>Forest Ecology and Management</i> , 2012, 266, 138-147.	3.2	5
18	Bryophyte Species Diversity in Secondary Forests Dominated by the Introduced Species <i>Spathodea campanulata</i> Beauv. in Puerto Rico. <i>Biotropica</i> , 2012, 44, 763-770.	1.6	5

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19	Conundrums, Paradoxes, and Surprises: A Brave New World of Biodiversity Conservation. , 2011, , 1-12.		1
20	Novel dry forests in southwestern Puerto Rico. <i>Forest Ecology and Management</i> , 2011, 262, 170-177.	3.2	19
21	Cross-system comparisons elucidate disturbance complexities and generalities. <i>Ecosphere</i> , 2011, 2, art81.	2.2	107
22	Don't judge species on their origins. <i>Nature</i> , 2011, 474, 153-154.	27.8	781
23	Allometry, biomass, and chemical content of Novel African Tulip Tree (<i>Spathodea campanulata</i>) Forests in Puerto Rico. <i>New Forests</i> , 2011, 42, 267.	1.7	10
24	Structure and species composition of novel forests dominated by an introduced species in northcentral Puerto Rico. <i>New Forests</i> , 2010, 39, 1-18.	1.7	23
25	Nutrient relations of dwarf <i>Rhizophora mangle</i> L. mangroves on peat in eastern Puerto Rico. <i>Plant Ecology</i> , 2010, 207, 13-24.	1.6	37
26	Relationship Between Aboveground Biomass and Multiple Measures of Biodiversity in Subtropical Forest of Puerto Rico. <i>Biotropica</i> , 2010, 42, 290-299.	1.6	45
27	Changes in Structure, Composition, and Nutrients During 15 Years of Hurricane-Induced Succession in a Subtropical Wet Forest in Puerto Rico. <i>Biotropica</i> , 2010, 42, 455-463.	1.6	68
28	The Emerging Era of Novel Tropical Forests. <i>Biotropica</i> , 2009, 41, 589-591.	1.6	90
29	The Potential for Species Conservation in Tropical Secondary Forests. <i>Conservation Biology</i> , 2009, 23, 1406-1417.	4.7	489
30	Conversion and recovery of Puerto Rican mangroves: 200 years of change. <i>Forest Ecology and Management</i> , 2009, 257, 75-84.	3.2	75
31	Climate shapes the novel plant communities that form after deforestation in Puerto Rico and the U.S. Virgin Islands. <i>Forest Ecology and Management</i> , 2009, 258, 1704-1718.	3.2	29
32	Tropical Conservation Biology, BY NAVJOT S. SODHI, BARRY W. BROOK AND COREY J.A. BRADSHAW, xii + 332 pp., 136 figs, 24.5 Å— 17 Å— 1.5 cm, ISBN 978 1 4051 5073 6 paperback, GB£ 29.99, Oxford, UK: Blackwell Publishing Ltd, 2007. <i>Environmental Conservation</i> , 2008, 35, 363.		1
33	Factors influencing spatial pattern in tropical forest clearance and stand age: Implications for carbon storage and species diversity. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	54
34	The spread of invasive species and infectious disease as drivers of ecosystem change. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 238-246.	4.0	457
35	Forecasting effects of sea-level rise and windstorms on coastal and inland ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 255-263.	4.0	65
36	Post Sugar Cane Succession in Moist Alluvial Sites in Puerto Rico. , 2008, , 73-92.		7

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37	Land use history, hurricane disturbance, and the fate of introduced species in a subtropical wet forest in Puerto Rico. <i>Plant Ecology</i> , 2007, 192, 289-301.	1.6	36
38	Novel ecosystems: theoretical and management aspects of the new ecological world order. <i>Global Ecology and Biogeography</i> , 2006, 15, 1-7.	5.8	1,528
39	Recovery of a Subtropical Dry Forest After Abandonment of Different Land Uses ¹ . <i>Biotropica</i> , 2006, 38, 354-364.	1.6	99
40	New mix of alien and native species coexists in Puerto Rico's landscapes. , 2005, , 484-509.		10
41	Biomass and Nutrient Dynamics of Restored Neotropical Forests. <i>Water, Air and Soil Pollution</i> , 2004, 4, 731-746.	0.8	5
42	CARBON SEQUESTRATION AND PLANT COMMUNITY DYNAMICS FOLLOWING REFORESTATION OF TROPICAL PASTURE. , 2004, 14, 1115-1127.		110
43	The outcome of alien tree invasions in Puerto Rico. <i>Frontiers in Ecology and the Environment</i> , 2004, 2, 265-273.	4.0	161
44	Emerging forests on abandoned land: Puerto Rico's new forests. <i>Forest Ecology and Management</i> , 2004, 190, 145-161.	3.2	260
45	Biomass and Nutrient Dynamics of Restored Neotropical Forests. , 2004, , 731-746.		4
46	Structure and Dynamics of Mahogany Plantations in Puerto Rico. , 2003, , 288-328.		2
47	Can we manage tropical landscapes? " an answer from the Caribbean perspective. <i>Landscape Ecology</i> , 2002, 17, 601-615.	4.2	43
48	Climate Change and Forest Disturbances. <i>BioScience</i> , 2001, 51, 723.	4.9	1,682
49	Effects and outcomes of Caribbean hurricanes in a climate change scenario. <i>Science of the Total Environment</i> , 2000, 262, 243-251.	8.0	104
50	Mangrove Forests: a Tough System to Invade but an Easy one to Rehabilitate. <i>Marine Pollution Bulletin</i> , 1999, 37, 427-430.	5.0	48
51	Will concern for biodiversity spell doom to tropical forest management?. <i>Science of the Total Environment</i> , 1999, 240, 123-131.	8.0	26
52	A Flood Plain Palm Forest in the Luquillo Mountains of Puerto Rico Five Years After Hurricane Hugo ¹ . <i>Biotropica</i> , 1998, 30, 339-348.	1.6	64
53	The Quantity and Turnover of Dead Wood in Permanent Forest Plots in Six Life Zones of Venezuela ¹ . <i>Biotropica</i> , 1998, 30, 2-11.	1.6	167
54	Ecosystem Management in the Context of Large, Infrequent Disturbances. <i>Ecosystems</i> , 1998, 1, 546-557.	3.4	115

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55	Dynamics of organic matter and nutrient return from litterfall in stands of ten tropical tree plantation species. <i>Forest Ecology and Management</i> , 1998, 112, 263-279.	3.2	85
56	The apparent paradox of reestablishing species richness on degraded lands with tree monocultures. <i>Forest Ecology and Management</i> , 1997, 99, 9-19.	3.2	300
57	Old-Growth Mangrove Forests in the United States. <i>Bosques Maduros de Manglares en los Estados Unidos</i> . <i>Conservation Biology</i> , 1997, 11, 11-20.	4.7	49
58	NINETY YEARS OF PLANT ECOLOGY RESEARCH IN PUERTO RICO. <i>Annals of the New York Academy of Sciences</i> , 1996, 776, 73-88.	3.8	2
59	Background and Catastrophic Tree Mortality in Tropical Moist, Wet, and Rain Forests. <i>Biotropica</i> , 1996, 28, 585.	1.6	219
60	Effects of Changes in Biodiversity on Ecosystem Function in Tropical Forests. <i>Conservation Biology</i> , 1996, 10, 17-24.	4.7	59
61	Caribbean island landscapes: indicators of the effects of economic growth on the region. <i>Environment and Development Economics</i> , 1996, 1, 128-136.	1.5	8
62	A Twelve-Year Comparison of Stand Changes in a Mahogany Plantation and a Paired Natural Forest of Similar Age. <i>Biotropica</i> , 1996, 28, 515.	1.6	49
63	Biodiversity and Biogeochemical Cycles. <i>Ecological Studies</i> , 1996, , 49-67.	1.2	8
64	Management of Tropical Biodiversity. , 1995, 5, 956-961.		79
65	Geomorphology, disturbance, and the soil and vegetation of two subtropical wet steep-land watersheds of Puerto Rico. <i>Geomorphology</i> , 1995, 13, 199-213.	2.6	160
66	Tropical Forests: Their Future and Our Future. <i>Ecological Studies</i> , 1995, , 3-17.	1.2	8
67	Ecosystem-Level Properties of the Luquillo Experimental Forest with Emphasis on the Tabonuco Forest. <i>Ecological Studies</i> , 1995, , 59-108.	1.2	30
68	Geomorphology, disturbance, and the soil and vegetation of two subtropical wet steep-land watersheds of Puerto Rico. , 1995, , 199-213.		15
69	Mineral content of leaves from trees growing on serpentine soils under contrasting rainfall regimes in Puerto Rico. <i>Plant and Soil</i> , 1994, 158, 13-21.	3.7	23
70	Rehabilitation of Tropical Lands: A Key to Sustaining Development. <i>Restoration Ecology</i> , 1994, 2, 97-111.	2.9	175
71	Management of tropical soils as sinks or sources of atmospheric carbon. <i>Plant and Soil</i> , 1993, 149, 27-41.	3.7	199
72	Catastrophic and background disturbance of tropical ecosystems at the Luquillo Experimental Forest. <i>Journal of Biosciences</i> , 1993, 18, 475-481.	1.1	38

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73	G. H. Orians, G. M. Brown Jr, 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
74	More on Exotic Species. Conservation Biology, 1992, 6, 6-6.	4.7	4
75	Hurricane Hugo: damage to a tropical rain forest in Puerto Rico. Journal of Tropical Ecology, 1992, 8, 47-55.	1.1	112
76	Tropical forests as sinks of atmospheric carbon. Forest Ecology and Management, 1992, 54, 239-255.	3.2	157
77	Comparison of Tropical Tree Plantations with Secondary Forests of Similar Age. Ecological Monographs, 1992, 62, 1-41.	5.4	320
78	The search for carbon sinks in the tropics. Water, Air, and Soil Pollution, 1992, 64, 3-9.	2.4	20
79	The Search for Carbon Sinks in the Tropics. , 1992, , 3-9.		4
80	Comparison of nutrient-use efficiency and biomass production in five tropical tree taxa. Forest Ecology and Management, 1991, 46, 1-21.	3.2	59
81	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
82	Comparing Tropical and Temperate Forests. , 1991, , 319-330.		10
83	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: £32.50 (hardback).. Journal of Tropical Ecology, 1990, 6, 332-332.	1.1	3
84	Removal of Exotic Organisms. Conservation Biology, 1990, 4, 345-345.	4.7	6
85	Nutrients and mass in litter and top soil of ten tropical tree plantations. Plant and Soil, 1990, 125, 263-280.	3.7	76
86	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
87	Tropical secondary forests. Journal of Tropical Ecology, 1990, 6, 1-32.	1.1	995
88	A comparative analysis of biomass production in five tropical tree species. Forest Ecology and Management, 1990, 31, 153-166.	3.2	41
89	An analytical review of production rates and stemwood biomass of tropical forest plantations. Forest Ecology and Management, 1988, 23, 179-200.	3.2	75
90	The Future of the Forest. Environment, 1988, 30, 16-45.	1.4	46

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91	Forested wetlands in freshwater and salt-water environments. <i>Limnology and Oceanography</i> , 1988, 33, 894-909.	3.1	23
92	Leaf production, growth rate, and age of the palm <i>Prestoea montana</i> in the Luquillo Experimental Forest, Puerto Rico. <i>Journal of Tropical Ecology</i> , 1987, 3, 151-161.	1.1	54
93	O. Huber (ed.). 1986. <i>La selva nublada de Rancho Grande, Parque Nacional "Henri Pittier"</i> . Editorial Arte, Caracas Venezuela. 288 pages. ISBN-980-201-002-2. Price: \$6.00. (Paperback only. In Spanish).. <i>Journal of Tropical Ecology</i> , 1987, 3, 281-283.	1.1	0
94	Soil Organic Matter in Secondary Forests of Puerto Rico. <i>Biotropica</i> , 1987, 19, 17.	1.6	51
95	Biomass of tropical tree plantations and its implications for the global carbon budget. <i>Canadian Journal of Forest Research</i> , 1986, 16, 390-394.	1.7	100
96	Land use and organic carbon content of some subtropical soils. <i>Plant and Soil</i> , 1986, 96, 185-196.	3.7	160
97	Nutrient dynamics of a Puerto Rican subtropical dry forest. <i>Journal of Tropical Ecology</i> , 1986, 2, 55-72.	1.1	106
98	Mangrove understory: an expensive luxury?. <i>Journal of Tropical Ecology</i> , 1986, 2, 287-288.	1.1	41
99	Ecosystem Dynamics of a Subtropical Floodplain Forest. <i>Ecological Monographs</i> , 1985, 55, 351-369.	5.4	208
100	The Storage and Production of Organic Matter in Tropical Forests and Their Role in the Global Carbon Cycle. <i>Biotropica</i> , 1982, 14, 161.	1.6	674
101	The inland mangroves of Inagua. <i>Journal of Natural History</i> , 1981, 15, 845-852.	0.5	19
102	Mangroves of Arid Environments in Puerto Rico and Adjacent Islands. <i>Biotropica</i> , 1978, 10, 110.	1.6	256