Andrew M Latimer

List of Publications by Year
in descending order

57 papers	3,673 citations	159585 30 h-index	155660 55 g-index
62 all docs	62 docs citations	62 times ranked	5965 citing authors

#	Article	IF	Citations
1	Longâ€term climate and competition explain forest mortality patterns under extreme drought. Ecology Letters, 2017, 20, 78-86.	6.4	321
2	Building Statistical Models To Analyze Species Distributions. , 2006, 16, 33-50.		294
3	Monitoring plant functional diversity from space. Nature Plants, 2016, 2, 16024.	9.3	221
4	Convergent evolution of seed dispersal by ants, and phylogeny and biogeography in flowering plants: A global survey. Perspectives in Plant Ecology, Evolution and Systematics, 2010, 12, 43-55.	2.7	219
5	Ants Sow the Seeds of Global Diversification in Flowering Plants. PLoS ONE, 2009, 4, e5480.	2.5	166
6	Fuel treatment effectiveness in California yellow pine and mixed conifer forests. Forest Ecology and Management, 2012, 274, 17-28.	3.2	143
7	Modelling species diversity through species level hierarchical modelling. Journal of the Royal Statistical Society Series C: Applied Statistics, 2005, 54, 1-20.	1.0	126
8	Hierarchical models facilitate spatial analysis of large data sets: a case study on invasive plant species in the northeastern United States. Ecology Letters, 2009, 12, 144-154.	6.4	125
9	Neutral Ecological Theory Reveals Isolation and Rapid Speciation in a Biodiversity Hot Spot. Science, 2005, 309, 1722-1725.	12.6	123
10	On using integral projection models to generate demographically driven predictions of species' distributions: development and validation using sparse data. Ecography, 2014, 37, 1167-1183.	4.5	121
11	Tamm Review: Reforestation for resilience in dry western U.S. forests. Forest Ecology and Management, 2019, 432, 209-224.	3.2	109
12	Explaining species distribution patterns through hierarchical modeling. Bayesian Analysis, 2006, 1, 41.	3.0	104
13	Forest disturbance accelerates thermophilization of understory plant communities. Journal of Ecology, 2015, 103, 1253-1263.	4.0	95
14	Invasive plants and their ecological strategies: prediction and explanation of woody plant invasion in New England. Diversity and Distributions, 2007, 13, 633-644.	4.1	89
15	Towards connecting biodiversity and geodiversity across scales with satellite remote sensing. Global Ecology and Biogeography, 2019, 28, 548-556.	5.8	87
16	Projecting climate change impacts on species distributions in megadiverse South African Cape and Southwest Australian Floristic Regions: Opportunities and challenges. Austral Ecology, 2010, 35, 374-391.	1.5	86
17	The role of land-use history in major invasions by woody plant species in the northeastern North American landscape. Biological Invasions, 2009, 11, 2317.	2.4	70
18	A Jungle in There: Bacteria in Belly Buttons are Highly Diverse, but Predictable. PLoS ONE, 2012, 7, e47712.	2.5	69

#	Article	IF	Citations
19	Local forest structure variability increases resilience to wildfire in dry western U.S. coniferous forests. Ecology Letters, 2020, 23, 483-494.	6.4	67
20	Comparative performance of invasive and native Celastrus species across environmental gradients. Oecologia, 2007, 154, 273-282.	2.0	66
21	Wildfire-contingent effects of fuel treatments can promote ecological resilience in seasonally dry conifer forests. Canadian Journal of Forest Research, 2014, 44, 843-854.	1.7	61
22	Point Pattern Modelling for Degraded Presence-Only Data Over Large Regions. Journal of the Royal Statistical Society Series C: Applied Statistics, 2011, 60, 757-776.	1.0	60
23	Postâ€fire forest regeneration shows limited climate tracking and potential for droughtâ€induced type conversion. Ecology, 2019, 100, e02571.	3.2	58
24	A Hierarchical Bayesian model of wildfire in a Mediterranean biodiversity hotspot: Implications of weather variability and global circulation. Ecological Modelling, 2010, 221, 106-112.	2.5	57
25	Cross-scale interaction of host tree size and climatic water deficit governs bark beetle-induced tree mortality. Nature Communications, 2021, 12, 129.	12.8	52
26	Dataâ€“model fusion to better understand emerging pathogens and improve infectious disease forecasting. , 2011, 21, 1443-1460.		49
27	Experimental biogeography: the role of environmental gradients in high geographic diversity in Cape Proteaceae. Oecologia, 2009, 160, 151-162.	2.0	43
28	Transcriptome sequencing reveals population differentiation in gene expression linked to functional traits and environmental gradients in the South African shrub Protea repens. New Phytologist, 2016, 210, 295-309.	7.3	43
29	Climatic controls on ecosystem resilience: Postfire regeneration in the Cape Floristic Region of South Africa. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9058-9063.	7.1	42
30	Comment on "Neutral Ecological Theory Reveals Isolation and Rapid Speciation in a Biodiversity Hot Spot". Science, 2006, 311, 610b-610b.	12.6	41
31	Modeling large scale species abundance with latent spatial processes. Annals of Applied Statistics, 2010, 4, .	1.1	40
32	Seed banks of native forbs, but not exotic grasses, increase during extreme drought. Ecology, 2018, 99, 896-903.	3.2	39
33	Nonlinear shifts in infectious rust disease due to climate change. Nature Communications, 2021, 12, 5102.	12.8	33
34	Effects of an Invasive Plant Species, Celastrus orbiculatus, on Soil Composition and Processes. American Midland Naturalist, 2009, 161, 219-231.	0.4	29
35	Moving forward in globalâ€change ecology: capitalizing on natural variability. Ecology and Evolution, 2013, 3, 170-181.	1.9	29
36	Beyond counts and averages: Relating geodiversity to dimensions of biodiversity. Global Ecology and Biogeography, 2020, 29, 696-710.	5.8	29

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37	Cattle Grazing and Conservation of a Meadow-Dependent Amphibian Species in the Sierra Nevada. PLoS ONE, 2012, 7, e35734.	2.5	29
38	Lianas escape self-thinning: Experimental evidence of positive density dependence in temperate lianas Celastrus orbiculatus and C. scandens. Perspectives in Plant Ecology, Evolution and Systematics, 2011, 13, 163-172.	2.7	27
39	GEOGRAPHY AND RESOURCE LIMITATION COMPLICATE METABOLISM-BASED PREDICTIONS OF SPECIES RICHNESS. Ecology, 2007, 88, 1895-1898.	3.2	23
40	Invasive species interact with climatic variability to reduce success of natives. Ecology, 2020, 101, e03022.	3.2	23
41	Snowpack, fire, and forest disturbance: interactions affect montane invasions by nonâ€native shrubs. Global Change Biology, 2015, 21, 2379-2393.	9.5	20
42	Can entropy maximization use functional traits to explain species abundances? A comprehensive evaluation. Ecology, 2011, 92, 1523-1537.	3.2	19
43	Conservation justice in metropolitan Cape Town: A study at the Macassar Dunes Conservation Area. Biological Conservation, 2010, 143, 1168-1174.	4.1	15
44	Mechanical Reproductive Isolation Facilitates Parallel Speciation in Western North American Scincid Lizards. American Naturalist, 2011, 178, 320-332.	2.1	13
45	Does experience with competition matter? Effects of source competitive environment on mean and plastic trait expression in Erodium cicutarium. Perspectives in Plant Ecology, Evolution and Systematics, 2014, 16, 236-246.	2.7	13
46	The Fire and Tree Mortality Database, for empirical modeling of individual tree mortality after fire. Scientific Data, 2020, 7, 194.	5.3	13
47	Montane meadow hydropedology, plant community, and herbivore dynamics. Ecosphere, 2014, 5, 1-16.	2.2	12
48	Analyzing reaction norm variation in the field vs. greenhouse: Comparing studies of plasticity and its adaptive value in two species of Erodium. Perspectives in Plant Ecology, Evolution and Systematics, 2012, 14, 325-334.	2.7	9
49	The utility of climatic water balance for ecological inference depends on vegetation physiology assumptions. Global Ecology and Biogeography, 2021, 30, 933-949.	5.8	9
50	Climate explains population divergence in droughtâ€induced plasticity of functional traits and gene expression in a South African Protea. Molecular Ecology, 2021, 30, 255-273.	3.9	8
51	Quantifying how fine-grained environmental heterogeneity and genetic variation affect demography in an annual plant population. Oecologia, 2012, 170, 659-667.	2.0	6
52	Microsatellite primers in the white proteas (Protea section Exsertae , Proteaceae), a rapidly radiating lineage. American Journal of Botany, 2010, 97, e1-e3.	1.7	5
53	Landscape Factors and Restoration Practices Associated with Initial Reforestation Success in Haiti. Ecological Restoration, 2016, 34, 306-316.	0.8	5
54	Growth and spatial patterns of natural regeneration in Sierra Nevada mixed-conifer forests with a restored fire regime. Forest Ecology and Management, 2022, 519, 120270.	3.2	5

#	Article	IF	Citations
55	Remote Sensing of Geodiversity as a Link to Biodiversity. , 2020, , 225-253.		4
56	Fifteen woody species with potential for invasiveness in New England. Rhodora, 2008, 110, 345-353.	0.1	3
57	Point pattern modelling for degraded presence-only data over large regions. Journal of the Royal Statistical Society Series C: Applied Statistics, 2011, 60, 757-776.	1.0	3