Adam M. Wilson

List of Publications by Year
in descending order

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48 papers	2,666 citations	185998 28 h-index	214527 47 g-index
51 all docs	51 docs citations	51 times ranked	5089 citing authors

#	Article	IF	Citations
1	Integrating remote sensing with ecology and evolution to advance biodiversity conservation. Nature Ecology and Evolution, 2022, 6, 506-519.	3.4	84
2	Support for a relationship between demography and modeled habitat suitability is scale dependent for the purple martin Progne subis. Journal of Animal Ecology, 2021, 90, 356-366.	1.3	9
3	Plant spectral diversity as a surrogate for species, functional and phylogenetic diversity across a hyperâ€diverse biogeographic region. Global Ecology and Biogeography, 2021, 30, 1403-1417.	2.7	21
4	Understanding limits of species identification using simulated imaging spectroscopy. Remote Sensing of Environment, 2021, 259, 112405.	4.6	5
5	The <scp>geodiv r</scp> package: Tools for calculating gradient surface metrics. Methods in Ecology and Evolution, 2021, 12, 2094-2100.	2.2	6
6	Global daily 1â€‰km land surface precipitation based on cloud cover-informed downscaling. Scientific Data, 2021, 8, 307.	2.4	50
7	A cloud-based toolbox for the versatile environmental annotation of biodiversity data. PLoS Biology, 2021, 19, e3001460.	2.6	5
8	Near-real time forecasting and change detection for an open ecosystem with complex natural dynamics. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 166, 15-25.	4.9	21
9	Change point estimation of deciduous forest land surface phenology. Remote Sensing of Environment, 2020, 240, 111698.	4.6	25
10	Spatial detection of alpine treeline ecotones in the Western United States. Remote Sensing of Environment, 2020, 240, 111672.	4.6	14
11	Monitoring biodiversity in the Anthropocene using remote sensing in species distribution models. Remote Sensing of Environment, 2020, 239, 111626.	4.6	142
12	Beyond counts and averages: Relating geodiversity to dimensions of biodiversity. Global Ecology and Biogeography, 2020, 29, 696-710.	2.7	29
13	Remote Sensing of Geodiversity as a Link to Biodiversity. , 2020, , 225-253.		4
14	Metabolic asymmetry and the global diversity of marine predators. Science, 2019, 363, .	6.0	81
15	Towards connecting biodiversity and geodiversity across scales with satellite remote sensing. Global Ecology and Biogeography, 2019, 28, 548-556.	2.7	87
16	Predicting autumn phenology: How deciduous tree species respond to weather stressors. Agricultural and Forest Meteorology, 2018, 250-251, 127-137.	1.9	95
17	Intensifying postfire weather and biological invasion drive species loss in a Mediterranean-type biodiversity hotspot. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4697-4702.	3.3	60
18	Integrating occurrence data and expert maps for improved species range predictions. Global Ecology and Biogeography, 2017, 26, 243-258.	2.7	71

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19	Remotely Sensed High-Resolution Global Cloud Dynamics for Predicting Ecosystem and Biodiversity Distributions. PLoS Biology, 2016, 14, e1002415.	2.6	269
20	Modelâ€based integration of observed and expertâ€based information for assessing the geographic and environmental distribution of freshwater species. Ecography, 2016, 39, 1078-1088.	2.1	34
21	Climatic Influences on Survival of Migratory African Reed WarblersAcrocephalus baeticatusin South Africa. Ardea, 2015, 103, 163-174.	0.3	2
22	Content Volatility of Scientific Topics in Wikipedia: A Cautionary Tale. PLoS ONE, 2015, 10, e0134454.	1.1	20
23	Green-up of deciduous forest communities of northeastern North America in response to climate variation and climate change. Landscape Ecology, 2015, 30, 109-123.	1.9	23
24	Using multiâ€timescale methods and satelliteâ€derived land surface temperature for the interpolation of daily maximum air temperature in Oregon. International Journal of Climatology, 2015, 35, 3862-3878.	1.5	32
25	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.	3.3	42
26	Modeling daily flowering probabilities: expected impact of climate change on Japanese cherry phenology. Global Change Biology, 2014, 20, 1251-1263.	4.2	28
27	Estimating uncertainty in daily weather interpolations: a Bayesian framework for developing climate surfaces. International Journal of Climatology, 2014, 34, 2573-2584.	1.5	28
28	Uncertainty, priors, autocorrelation and disparate data in downscaling of species distributions. Diversity and Distributions, 2014, 20, 797-812.	1.9	25
29	Systematic land cover bias in Collection 5 MODIS cloud mask and derived products â€" A global overview. Remote Sensing of Environment, 2014, 141, 149-154.	4.6	47
30	On using integral projection models to generate demographically driven predictions of species' distributions: development and validation using sparse data. Ecography, 2014, 37, 1167-1183.	2.1	121
31	An Assessment of Methods and Remote-Sensing Derived Covariates for Regional Predictions of 1 km Daily Maximum Air Temperature. Remote Sensing, 2014, 6, 8639-8670.	1.8	19
32	Downscaling of species distribution models: â€˜a hierarchical approach. Methods in Ecology and Evolution, 2013, 4, 82-94.	2.2	63
33	Statistical downscaling and bias correction of climate model outputs for climate change impact assessment in the U.S. northeast. Global and Planetary Change, 2013, 100, 320-332.	1.6	194
34	A new class of flexible link functions with application to species co-occurrence in cape floristic region. Annals of Applied Statistics, 2013, 7, .	0.5	25
35	Evaluation of satellite-derived burned area products for the fynbos, a Mediterranean shrubland. International Journal of Wildland Fire, 2012, 21, 36.	1.0	18
36	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.	0.5	60

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37	Developing Dynamic Mechanistic Species Distribution Models: Predicting Bird-Mediated Spread of Invasive Plants across Northeastern North America. American Naturalist, 2011, 178, 30-43.	1.0	66
38	Scaling up: linking field data and remote sensing with a hierarchical model. International Journal of Geographical Information Science, 2011, 25, 509-521.	2.2	32
39	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.	0.5	3
40	Modeling large scale species abundance with latent spatial processes. Annals of Applied Statistics, 2010, 4, .	0.5	40
41	A Hierarchical Bayesian model of wildfire in a Mediterranean biodiversity hotspot: Implications of weather variability and global circulation. Ecological Modelling, 2010, 221, 106-112.	1.2	57
42	Identifying hotspots for plant invasions and forecasting focal points of further spread. Journal of Applied Ecology, 2009, 46, 1219-1228.	1.9	72
43	Spatial and interspecific variability in phenological responses to warming temperatures. Biological Conservation, 2009, 142, 2569-2577.	1.9	196
44	Multivariate forecasts of potential distributions of invasive plant species. Ecological Applications, 2009, 19, 359-375.	1.8	91
45	Air pollution, weather, and respiratory emergency room visits in two northern New England cities: an ecological time-series study. Environmental Research, 2005, 97, 312-321.	3.7	97
46	Are there spurious precipitation trends in the United States Climate Division database?. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	41
47	Air pollution and the demand for hospital services: a review. Environment International, 2004, 30, 1109-1118.	4.8	66
48	Are there spurious temperature trends in the United States Climate Division database?. Geophysical Research Letters, 2003, 30, .	1.5	46