

Lyndon D Estes

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

3,103
citations

257429

24
h-index

315719

38
g-index

49
all docs

49
docs citations

49
times ranked

5197
citing authors

#	ARTICLE	IF	CITATIONS
1	Field-scale soil moisture bridges the spatial-scale gap between drought monitoring and agricultural yields. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 1827-1847.	4.9	23
2	Consequences of underexplored variation in biodiversity indices used for land-use prioritization. <i>Ecological Applications</i> , 2021, 31, e02396.	3.8	2
3	Perceived links between climate change and weather forecast accuracy: new barriers to tools for agricultural decision-making. <i>Climatic Change</i> , 2021, 168, 1.	3.6	9
4	High Resolution, Annual Maps of Field Boundaries for Smallholder-Dominated Croplands at National Scales. <i>Frontiers in Artificial Intelligence</i> , 2021, 4, 744863.	3.4	13
5	High-spatiotemporal-resolution mapping of global urban change from 1985 to 2015. <i>Nature Sustainability</i> , 2020, 3, 564-570.	23.7	391
6	Tropical forest loss enhanced by large-scale land acquisitions. <i>Nature Geoscience</i> , 2020, 13, 482-488.	12.9	87
7	Understanding social and environmental determinants of piecework labor in smallholder agricultural systems. <i>Applied Geography</i> , 2020, 121, 102243.	3.7	0
8	A blended census and multiscale remote sensing approach to probabilistic cropland mapping in complex landscapes. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 161, 233-245.	11.1	18
9	Nano and Micro Unmanned Aerial Vehicles (UAVs): A New Grand Challenge for Precision Agriculture?. <i>Current Protocols in Plant Biology</i> , 2020, 5, e20103.	2.8	13
10	Accounting for Training Data Error in Machine Learning Applied to Earth Observations. <i>Remote Sensing</i> , 2020, 12, 1034.	4.0	49
11	Integrated approaches to understanding and reducing drought impact on food security across scales. <i>Current Opinion in Environmental Sustainability</i> , 2019, 40, 43-54.	6.3	63
12	Probabilistic global maps of crop-specific areas from 1961 to 2014. <i>Environmental Research Letters</i> , 2019, 14, 094023.	5.2	14
13	A high-frequency mobile phone data collection approach for research in social-environmental systems: Applications in climate variability and food security in sub-Saharan Africa. <i>Environmental Modelling and Software</i> , 2019, 119, 57-69.	4.5	13
14	Cognitive Biases about Climate Variability in Smallholder Farming Systems in Zambia. <i>Weather, Climate, and Society</i> , 2019, 11, 369-383.	1.1	29
15	Measurements and Observations in the XXI century (MOXXI): innovation and multi-disciplinarity to sense the hydrological cycle. <i>Hydrological Sciences Journal</i> , 2018, 63, 169-196.	2.6	151
16	The spatial and temporal domains of modern ecology. <i>Nature Ecology and Evolution</i> , 2018, 2, 819-826.	7.8	126
17	A large-area, spatially continuous assessment of land cover map error and its impact on downstream analyses. <i>Global Change Biology</i> , 2018, 24, 322-337.	9.5	42
18	Highland cropland expansion and forest loss in Southeast Asia in the twenty-first century. <i>Nature Geoscience</i> , 2018, 11, 556-562.	12.9	168

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19	Comparing empirical and survey-based yield forecasts in a dryland agro-ecosystem. <i>Agricultural and Forest Meteorology</i> , 2018, 262, 147-156.	4.8	17
20	On the Use of Unmanned Aerial Systems for Environmental Monitoring. <i>Remote Sensing</i> , 2018, 10, 641.	4.0	433
21	Climate mitigation from vegetation biophysical feedbacks during the past three decades. <i>Nature Climate Change</i> , 2017, 7, 432-436.	18.8	323
22	Biodiversity at risk under future cropland expansion and intensification. <i>Nature Ecology and Evolution</i> , 2017, 1, 1129-1135.	7.8	219
23	A generalized computer vision approach to mapping crop fields in heterogeneous agricultural landscapes. <i>Remote Sensing of Environment</i> , 2016, 179, 210-221.	11.0	70
24	Reconciling agriculture, carbon and biodiversity in a savannah transformation frontier. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150316.	4.0	33
25	The influence of climate variability on internal migration flows in South Africa. <i>Global Environmental Change</i> , 2016, 39, 155-169.	7.8	113
26	A platform for crowdsourcing the creation of representative, accurate landcover maps. <i>Environmental Modelling and Software</i> , 2016, 80, 41-53.	4.5	36
27	Mapping Cropland in Smallholder-Dominated Savannas: Integrating Remote Sensing Techniques and Probabilistic Modeling. <i>Remote Sensing</i> , 2015, 7, 15295-15317.	4.0	21
28	High carbon and biodiversity costs from converting Africa's wet savannahs to cropland. <i>Nature Climate Change</i> , 2015, 5, 481-486.	18.8	105
29	Using Changes in Agricultural Utility to Quantify Future Climate-Induced Risk to Conservation. <i>Conservation Biology</i> , 2014, 28, 427-437.	4.7	7
30	Changing water availability during the African maize-growing season, 1979-2010. <i>Environmental Research Letters</i> , 2014, 9, 075005.	5.2	15
31	Climate change must not blow conservation off course. <i>Nature</i> , 2013, 500, 271-272.	27.8	29
32	Projected climate impacts to South African maize and wheat production in 2055: a comparison of empirical and mechanistic modeling approaches. <i>Global Change Biology</i> , 2013, 19, 3762-3774.	9.5	59
33	Comparing mechanistic and empirical model projections of crop suitability and productivity: implications for ecological forecasting. <i>Global Ecology and Biogeography</i> , 2013, 22, 1007-1018.	5.8	102
34	Predicting how adaptation to climate change could affect ecological conservation: secondary impacts of shifting agricultural suitability. <i>Diversity and Distributions</i> , 2012, 18, 425-437.	4.1	50
35	Predictive distribution modeling with enhanced remote sensing and multiple validation techniques to support mountain bongo antelope recovery. <i>Animal Conservation</i> , 2011, 14, 521-532.	2.9	10
36	The use of non-invasive molecular techniques to confirm the presence of mountain bongo <i>Tragelaphus eurycerus isaaci</i> populations in Kenya and preliminary inference of their mitochondrial genetic variation. <i>Conservation Genetics</i> , 2011, 12, 745-751.	1.5	18

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37	Remote sensing of structural complexity indices for habitat and species distribution modeling. Remote Sensing of Environment, 2010, 114, 792-804.	11.0	53
38	Climate change: helping nature survive the human response. Conservation Letters, 2010, 3, 304-312.	5.7	84
39	Habitat selection by a rare forest antelope: A multi-scale approach combining field data and imagery from three sensors. Remote Sensing of Environment, 2008, 112, 2033-2050.	11.0	46