

# Hanna Meyer

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,381  
citations

430754

18  
h-index

454834

30  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential of Airborne LiDAR Derived Vegetation Structure for the Prediction of Animal Species Richness at Mount Kilimanjaro. <i>Remote Sensing</i> , 2022, 14, 786.	1.8	1
2	Nearest neighbour distance matching <scp>LeaveOneOut CrossValidation</scp> for map validation. <i>Methods in Ecology and Evolution</i> , 2022, 13, 1304-1316.	2.2	15
3	Machine learning-based global maps of ecological variables and the challenge of assessing them. <i>Nature Communications</i> , 2022, 13, 2208.	5.8	69
4	Mapping the geogenic radon potential for Germany by machine learning. <i>Science of the Total Environment</i> , 2021, 754, 142291.	3.9	32
5	Predicting into unknown space? Estimating the area of applicability of spatial prediction models. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1620-1633.	2.2	139
6	A Machine Learning Based Downscaling Approach to Produce High Spatio-Temporal Resolution Land Surface Temperature of the Antarctic Dry Valleys from MODIS Data. <i>Remote Sensing</i> , 2021, 13, 4673.	1.8	2
7	Atmospheric moisture pathways of East Africa and implications for water recycling at Mount Kilimanjaro. <i>International Journal of Climatology</i> , 2020, 40, 4477-4496.	1.5	3
8	PioLaG: a piosphere landscape generator for savanna rangeland modelling. <i>Landscape Ecology</i> , 2020, 35, 2061-2082.	1.9	9
9	Importance of spatial predictor variable selection in machine learning applications â€œ Moving from data reproduction to spatial prediction. <i>Ecological Modelling</i> , 2019, 411, 108815.	1.2	184
10	Hourly gridded air temperatures of South Africa derived from MSG SEVIRI. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 78, 261-267.	1.4	9
11	Machine learning and multi-sensor based modelling of woody vegetation in the Molopo Area, South Africa. <i>Remote Sensing of Environment</i> , 2019, 222, 195-203.	4.6	37
12	Soil respiration and its temperature sensitivity (Q10): Rapid acquisition using mid-infrared spectroscopy. <i>Geoderma</i> , 2018, 323, 31-40.	2.3	22
13	Mapping fractional woody cover in semi-arid savannahs using multi-seasonal composites from Landsat data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 139, 88-102.	4.9	46
14	Improving performance of spatio-temporal machine learning models using forward feature selection and target-oriented validation. <i>Environmental Modelling and Software</i> , 2018, 101, 1-9.	1.9	233
15	Multiple indicators yield diverging results on grazing degradation and climate controls across Tibetan pastures. <i>Ecological Indicators</i> , 2018, 93, 1199-1208.	2.6	17
16	Regional-scale controls on the spatial activity of rockfalls (Turtmann Valley, Swiss Alps) â€” A multivariate modeling approach. <i>Geomorphology</i> , 2017, 287, 29-45.	1.1	50
17	Revealing the potential of spectral and textural predictor variables in a neural network-based rainfall retrieval technique. <i>Remote Sensing Letters</i> , 2017, 8, 647-656.	0.6	8
18	From local spectral measurements to maps of vegetation cover and biomass on the Qinghai-Tibet-Plateau: Do we need hyperspectral information?. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 55, 21-31.	1.4	33

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19	Satellite-based high-resolution mapping of rainfall over southern Africa. Atmospheric Measurement Techniques, 2017, 10, 2009-2019.	1.2	11
20	Mapping Daily Air Temperature for Antarctica Based on MODIS LST. Remote Sensing, 2016, 8, 732.	1.8	89
21	Automatic classification of Google Earth images for a larger scale monitoring of bush encroachment in South Africa. International Journal of Applied Earth Observation and Geoinformation, 2016, 50, 89-94.	1.4	25
22	Comparison of four machine learning algorithms for their applicability in satellite-based optical rainfall retrievals. Atmospheric Research, 2016, 169, 424-433.	1.8	80
23	Spatio-temporal interpolation of soil water, temperature, and electrical conductivity in 3D: The Cook Agronomy Farm data set. Spatial Statistics, 2015, 14, 70-90.	0.9	64
24	Retrieval of grassland plant coverage on the Tibetan Plateau based on a multi-scale, multi-sensor and multi-method approach. Remote Sensing of Environment, 2015, 164, 197-207.	4.6	90
25	Projecting land-use and land-cover changes in a tropical mountain forest of Southern Ecuador. Journal of Land Use Science, 2014, 9, 1-33.	1.0	28
26	A hyperspectral indicator system for rangeland degradation on the Tibetan Plateau: A case study towards spaceborne monitoring. Ecological Indicators, 2014, 39, 54-64.	2.6	53
27	Measuring pasture degradation on the Qinghai-Tibet Plateau using hyperspectral dissimilarities and indices. , 2013, , .		2
28	Assessing pasture quality and degradation status using hyperspectral imaging: a case study from western Tibet. Proceedings of SPIE, 2013, , .	0.8	3
29	Environmental Changes Affecting the Andes of Ecuador. Ecological Studies, 2013, , 19-29.	0.4	22