

# Stefan Erasmi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5455535/publications.pdf>

Version: 2024-02-01

63  
papers

3,288  
citations

218677

26  
h-index

149698

56  
g-index

66  
all docs

66  
docs citations

66  
times ranked

5372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Greenhouse gas emissions from soilsâ€™A review. <i>Chemie Der Erde</i> , 2016, 76, 327-352.	2.0	702
2	Tradeoffs between income, biodiversity, and ecosystem functioning during tropical rainforest conversion and agroforestry intensification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4973-4978.	7.1	396
3	Combining high biodiversity with high yields in tropical agroforests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8311-8316.	7.1	339
4	Understanding Forest Health with Remote Sensing -Part Iâ€™A Review of Spectral Traits, Processes and Remote-Sensing Characteristics. <i>Remote Sensing</i> , 2016, 8, 1029.	4.0	138
5	Configurational landscape heterogeneity shapes functional community composition of grassland butterflies. <i>Journal of Applied Ecology</i> , 2015, 52, 505-513.	4.0	129
6	Understanding Forest Health with Remote Sensing-Part IIâ€™A Review of Approaches and Data Models. <i>Remote Sensing</i> , 2017, 9, 129.	4.0	110
7	Landscape composition and configuration differently affect trap-nesting bees, wasps and their antagonists. <i>Biological Conservation</i> , 2014, 172, 56-64.	4.1	97
8	Mapping of crop types and crop sequences with combined time series of Sentinel-1, Sentinel-2 and Landsat 8 data for Germany. <i>Remote Sensing of Environment</i> , 2022, 269, 112831.	11.0	95
9	Effects of an experimental drought on the functioning of a cacao agroforestry system, Sulawesi, Indonesia. <i>Global Change Biology</i> , 2010, 16, 1515-1530.	9.5	92
10	Below- and above-ground biomass and net primary production in a paleotropical natural forest (Sulawesi, Indonesia) as compared to neotropical forests. <i>Forest Ecology and Management</i> , 2009, 258, 1904-1912.	3.2	86
11	Assessing vegetation variability and trends in north-eastern Brazil using AVHRR and MODIS NDVI time series. <i>European Journal of Remote Sensing</i> , 2013, 46, 40-59.	3.5	66
12	Effects of canopy photosynthesis saturation on the estimation of gross primary productivity from MODIS data in a tropical forest. <i>Remote Sensing of Environment</i> , 2012, 121, 252-260.	11.0	59
13	Regional land cover mapping in the humid tropics using combined optical and SAR satellite dataâ€™a case study from Central Sulawesi, Indonesia. <i>International Journal of Remote Sensing</i> , 2009, 30, 2465-2478.	2.9	57
14	Spatial Patterns of NDVI Variation over Indonesia and Their Relationship to ENSO Warm Events during the Period 1982â€™2006. <i>Journal of Climate</i> , 2009, 22, 6612-6623.	3.2	45
15	Sentinel-1 time series data for monitoring the phenology of winter wheat. <i>Remote Sensing of Environment</i> , 2020, 246, 111814.	11.0	45
16	Vegetation Greenness in Northeastern Brazil and Its Relation to ENSO Warm Events. <i>Remote Sensing</i> , 2014, 6, 3041-3058.	4.0	44
17	Comparing Sentinel-1 and -2 Data and Indices for Agricultural Land Use Monitoring. <i>Remote Sensing</i> , 2020, 12, 2919.	4.0	44
18	Evaluating the Quality and Accuracy of TanDEM-X Digital Elevation Models at Archaeological Sites in the Cilician Plain, Turkey. <i>Remote Sensing</i> , 2014, 6, 9475-9493.	4.0	41

#	ARTICLE	IF	CITATIONS
19	Canopy penetration depth estimation with TanDEM-X and its compensation in temperate forests. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 147, 232-241.	11.1	40
20	Conversion of tropical moist forest into cacao agroforest: consequences for carbon pools and annual C sequestration. Agroforestry Systems, 2013, 87, 1173-1187.	2.0	38
21	Modelling potential habitats for <i>Artemisia sieberi</i> and <i>Artemisia aucheri</i> in Poshtkouh area, central Iran using the maximum entropy model and geostatistics. Ecological Informatics, 2013, 18, 61-68.	5.2	36
22	Effects of land-use changes on evapotranspiration of tropical rain forest margin area in Central Sulawesi (Indonesia): Modelling study with a regional SVAT model. Ecological Modelling, 2008, 212, 131-137.	2.5	34
23	Downgrading Recent Estimates of Land Available for Biofuel Production. Environmental Science & Technology, 2013, 47, 130128103203003.	10.0	34
24	A physically based approach to model LAI from MODIS 250m data in a tropical region. International Journal of Applied Earth Observation and Geoinformation, 2010, 12, 47-59.	2.8	30
25	Climate effects on vegetation vitality at the treeline of boreal forests of Mongolia. Biogeosciences, 2018, 15, 1319-1333.	3.3	29
26	Mowing event detection in permanent grasslands: Systematic evaluation of input features from Sentinel-1, Sentinel-2, and Landsat 8 time series. Remote Sensing of Environment, 2021, 267, 112751.	11.0	28
27	Prediction of yield and the contribution of legumes in legume-grass mixtures using field spectrometry. Precision Agriculture, 2009, 10, 128-144.	6.0	27
28	Quantifying apart what belongs together: A multi-state species distribution modelling framework for species using distinct habitats. Methods in Ecology and Evolution, 2018, 9, 98-108.	5.2	26
29	Multi-Source Remotely Sensed Data Combination: Projection Transformation Gap-Fill Procedure. Sensors, 2008, 8, 4429-4440.	3.8	24
30	Functional beetle diversity in managed grasslands: effects of region, landscape context and land use intensity. Landscape Ecology, 2014, 29, 529-540.	4.2	24
31	Modelling the productivity of Siberian larch forests from Landsat NDVI time series in fragmented forest stands of the Mongolian forest-steppe. Environmental Monitoring and Assessment, 2021, 193, 200.	2.7	24
32	Surface albedo as a proxy for land-cover clearing in seasonally dry forests: Evidence from the Brazilian Caatinga. Remote Sensing of Environment, 2020, 238, 111250.	11.0	23
33	Optical and SAR Remote Sensing Synergism for Mapping Vegetation Types in the Endangered Cerrado/Amazon Ecotone of Nova Mutum-Mato Grosso. Remote Sensing, 2019, 11, 1161.	4.0	21
34	Canopy height estimation with TanDEM-X in temperate and boreal forests. International Journal of Applied Earth Observation and Geoinformation, 2019, 82, 101904.	2.8	19
35	Accounting More Precisely for Peat and Other Soil Carbon Resources. , 2012, , 127-157.		18
36	Towards improved bottom-up inventories of methane from the European land surface. Atmospheric Environment, 2012, 51, 203-211.	4.1	17

#	ARTICLE	IF	CITATIONS
37	Spatially Explicit Estimation of Leaf Area Index Using EO-1 Hyperion and Landsat ETM+ Data: Implications of Spectral Bandwidth and Shortwave Infrared Data on Prediction Accuracy in a Tropical Montane Environment. <i>GIScience and Remote Sensing</i> , 2008, 45, 229-248.	5.9	16
38	Satellite-based prediction of rainfall interception by tropical forest stands of a human-dominated landscape in Central Sulawesi, Indonesia. <i>Journal of Hydrology</i> , 2009, 364, 227-235.	5.4	15
39	Modeling forest lines and forest distribution patterns with remote-sensing data in a mountainous region of semiarid central Asia. <i>Biogeosciences</i> , 2015, 12, 2893-2905.	3.3	15
40	SARchaeologyâ€”Detecting Palaeochannels Based on High Resolution Radar Data and Their Impact of Changes in the Settlement Pattern in Cilicia (Turkey). <i>Geosciences (Switzerland)</i> , 2017, 7, 109.	2.2	15
41	Mapping patterns of mineral alteration in volcanic terrains using ASTER data and field spectrometry in Southern Peru. <i>Journal of South American Earth Sciences</i> , 2013, 48, 296-314.	1.4	13
42	Comparison of Aboveground Biomass Estimation From InSAR and LiDAR Canopy Height Models in Tropical Forests. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 367-371.	3.1	13
43	Evaluation of Sentinel-1 and Sentinel-2 Feature Sets for Delineating Agricultural Fields in Heterogeneous Landscapes. <i>IEEE Access</i> , 2021, 9, 116702-116719.	4.2	12
44	Using Airborne Laser Scanning to Characterize Land-Use Systems in a Tropical Landscape Based on Vegetation Structural Metrics. <i>Remote Sensing</i> , 2021, 13, 4794.	4.0	11
45	Russian boreal peatlands dominate the natural European methane budget. <i>Environmental Research Letters</i> , 2016, 11, 014004.	5.2	10
46	Rainforest conversion in Central Sulawesi, Indonesia: recent development and consequences for river discharge and water resources. <i>Erdkunde</i> , 2007, 61, 284-293.	0.8	10
47	Unsupervised Parameterization for Optimal Segmentation of Agricultural Parcels from Satellite Images in Different Agricultural Landscapes. <i>Remote Sensing</i> , 2020, 12, 3096.	4.0	8
48	Vegetation canopy height estimation in dynamic tropical landscapes with TanDEMâ€”X supported by GEDI data. <i>Methods in Ecology and Evolution</i> , 2023, 14, 1639-1656.	5.2	6
49	Multi-source image reconstruction: exploitation of EO-1/ALI in Landsat-7/ETM+ SLC-off gap filling. , 2008, , .		5
50	High Resolution Forest Maps from Interferometric TanDEM-X and Multitemporal Sentinel-1 SAR Data. PFG - <i>Journal of Photogrammetry, Remote Sensing and Geoinformation Science</i> , 2017, 85, 389-405.	1.1	5
51	A new method for selecting sites for soil sampling, coupling global weighted principal component analysis and a cost-constrained conditioned Latin hypercube algorithm. <i>MethodsX</i> , 2019, 6, 284-299.	1.6	5
52	Geoecological parameters indicate discrepancies between potential and actual forest area in the forest-steppe of Central Mongolia. <i>Forest Ecosystems</i> , 2021, 8, .	3.1	5
53	Spaceborne height models reveal above ground biomass changes in tropical landscapes. <i>Forest Ecology and Management</i> , 2021, 497, 119497.	3.2	5
54	Sensitivity of Bistatic TanDEM-X Data to Stand Structural Parameters in Temperate Forests. <i>Remote Sensing</i> , 2019, 11, 2966.	4.0	5

#	ARTICLE	IF	CITATIONS
55	Potential and limitations of spectral reflectance measurements for the estimation of the site-specific variability in crops. , 2004, 5232, 42.		4
56	Methods of analyzing regional dermatological care as exemplified by the city of Hamburg. JDDG - Journal of the German Society of Dermatology, 2015, 13, 661-671.	0.8	3
57	The effects of land use change on atmospheric nutrientdeposition in Central Sulawesi. Erdkunde, 2013, 67, 109-122.	0.8	3
58	From global to regional scale: Remote sensing-based concepts and methods for mapping land-cover and land-cover change in tropical regions. , 2007, , 435-460.		3
59	Spatial and temporal variability of vegetation status in Para&#x00ED;ba, Northeastern Brazil. , 2012, , .		2
60	Habitat Mapping from Optical and SAR Satellite Data: Implications of Synergy and Uncertainty for Landscape Analysis. Photogrammetrie, Fernerkundung, Geoinformation, 2013, 2013, 139-148.	1.2	2
61	Spatiotemporal trends of forest cover change in Southeast Asia. Environmental Science and Engineering, 2010, , 269-291.	0.2	2
62	Analyzing TerraSAR-X staring spotlight mode data for archaeological prospections in the Altai Mountains. , 2015, , .		1
63	Semi-Physical Integration of Scattering Models for Microwaves and Optical Wavelengths. , 2018, , .		0