Stefan Erasmi

List of Publications by Year
in descending order

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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	Vegetation canopy height estimation in dynamic tropical landscapes with TanDEMâ€X supported by GEDI data. Methods in Ecology and Evolution, 2023, 14, 1639-1656.	5.2	6
2	Mapping of crop types and crop sequences with combined time series of Sentinel-1, Sentinel-2 and Landsat 8 data for Germany. Remote Sensing of Environment, 2022, 269, 112831.	11.0	95
3	Evaluation of Sentinel-1 and Sentinel-2 Feature Sets for Delineating Agricultural Fields in Heterogeneous Landscapes. IEEE Access, 2021, 9, 116702-116719.	4.2	12
4	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
5	Geoecological parameters indicate discrepancies between potential and actual forest area in the forest-steppe of Central Mongolia. Forest Ecosystems, 2021, 8, .	3.1	5
6	Spaceborne height models reveal above ground biomass changes in tropical landscapes. Forest Ecology and Management, 2021, 497, 119497.	3.2	5
7	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
8	Using Airborne Laser Scanning to Characterize Land-Use Systems in a Tropical Landscape Based on Vegetation Structural Metrics. Remote Sensing, 2021, 13, 4794.	4.0	11
9	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
10	Comparison of Aboveground Biomass Estimation From InSAR and LiDAR Canopy Height Models in Tropical Forests. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 367-371.	3.1	13
11	Comparing Sentinel-1 and -2 Data and Indices for Agricultural Land Use Monitoring. Remote Sensing, 2020, 12, 2919.	4.0	44
12	Unsupervised Parameterization for Optimal Segmentation of Agricultural Parcels from Satellite Images in Different Agricultural Landscapes. Remote Sensing, 2020, 12, 3096.	4.0	8
13	Sentinel-1 time series data for monitoring the phenology of winter wheat. Remote Sensing of Environment, 2020, 246, 111814.	11.0	45
14	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
15	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
16	Optical and SAR Remote Sensing Synergism for Mapping Vegetation Types in the Endangered Cerrado/Amazon Ecotone of Nova Mutumâ€"Mato Grosso. Remote Sensing, 2019, 11, 1161.	4.0	21
17	A new method for selecting sites for soil sampling, coupling global weighted principal component analysis and a cost-constrained conditioned Latin hypercube algorithm. MethodsX, 2019, 6, 284-299.	1.6	5
18	Sensitivity of Bistatic TanDEM-X Data to Stand Structural Parameters in Temperate Forests. Remote Sensing, 2019, 11, 2966.	4.0	5

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19	Quantifying apart what belongs together: A multiâ€state species distribution modelling framework for species using distinct habitats. Methods in Ecology and Evolution, 2018, 9, 98-108.	5.2	26
20	Semi-Physical Integration of Scattering Models for Microwaves and Optical Wavelengths. , 2018, , .		0
21	Climate effects on vegetation vitality at the treeline of boreal forests of Mongolia. Biogeosciences, 2018, 15, 1319-1333.	3.3	29
22	High Resolution Forest Maps from Interferometric TanDEM-X and Multitemporal Sentinel-1 SAR Data. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2017, 85, 389-405.	1.1	5
23	Understanding Forest Health with Remote Sensing-Part IIâ€"A Review of Approaches and Data Models. Remote Sensing, 2017, 9, 129.	4.0	110
24	SARchaeologyâ€"Detecting Palaeochannels Based on High Resolution Radar Data and Their Impact of Changes in the Settlement Pattern in Cilicia (Turkey). Geosciences (Switzerland), 2017, 7, 109.	2.2	15
25	Understanding Forest Health with Remote Sensing -Part Iâ€"A Review of Spectral Traits, Processes and Remote-Sensing Characteristics. Remote Sensing, 2016, 8, 1029.	4.0	138
26	Russian boreal peatlands dominate the natural European methane budget. Environmental Research Letters, 2016, 11, 014004.	5.2	10
27	Greenhouse gas emissions from soilsâ€"A review. Chemie Der Erde, 2016, 76, 327-352.	2.0	702
28	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
29	Modeling forest lines and forest distribution patterns with remote-sensing data in a mountainous region of semiarid central Asia. Biogeosciences, 2015, 12, 2893-2905.	3.3	15
30	Analyzing TerraSAR-X staring spotlight mode data for archaeological prospections in the Altai Mountains. , 2015, , .		1
31	Configurational landscape heterogeneity shapes functional community composition of grassland butterflies. Journal of Applied Ecology, 2015, 52, 505-513.	4.0	129
32	Evaluating the Quality and Accuracy of TanDEM-X Digital Elevation Models at Archaeological Sites in the Cilician Plain, Turkey. Remote Sensing, 2014, 6, 9475-9493.	4.0	41
33	Vegetation Greenness in Northeastern Brazil and Its Relation to ENSO Warm Events. Remote Sensing, 2014, 6, 3041-3058.	4.0	44
34	Functional beetle diversity in managed grasslands: effects of region, landscape context and land use intensity. Landscape Ecology, 2014, 29, 529-540.	4.2	24
35	Landscape composition and configuration differently affect trap-nesting bees, wasps and their antagonists. Biological Conservation, 2014, 172, 56-64.	4.1	97
36	Mapping patterns of mineral alteration in volcanic terrains using ASTER data and field spectrometry in Southern Peru. Journal of South American Earth Sciences, 2013, 48, 296-314.	1.4	13

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37	Modelling potential habitats for Artemisia sieberi and Artemisia aucheri in Poshtkouh area, central Iran using the maximum entropy model and geostatistics. Ecological Informatics, 2013, 18, 61-68.	5.2	36
38	Downgrading Recent Estimates of Land Available for Biofuel Production. Environmental Science & Technology, 2013, 47, 130128103203003.	10.0	34
39	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
40	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
41	Assessing vegetation variability and trends in north-eastern Brazil using AVHRR and MODIS NDVI time series. European Journal of Remote Sensing, 2013, 46, 40-59.	3.5	66
42	The effects of land use change on atmospheric nutrientdeposition in Central Sulawesi. Erdkunde, 2013, 67, 109-122.	0.8	3
43	Spatial and temporal variability of vegetation status in Paraíba, Northeastern Brazil. , 2012, , .		2
44	Effects of canopy photosynthesis saturation on the estimation of gross primary productivity from MODIS data in a tropical forest. Remote Sensing of Environment, 2012, 121, 252-260.	11.0	59
45	Accounting More Precisely for Peat and Other Soil Carbon Resources. , 2012, , 127-157.		18
46	Towards improved bottom-up inventories of methane from the European land surface. Atmospheric Environment, 2012, 51, 203-211.	4.1	17
47	Combining high biodiversity with high yields in tropical agroforests. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8311-8316.	7.1	339
48	Effects of an experimental drought on the functioning of a cacao agroforestry system, Sulawesi, Indonesia. Global Change Biology, 2010, 16, 1515-1530.	9.5	92
49	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
50	Spatiotemporal trends of forest cover change in Southeast Asia. Environmental Science and Engineering, 2010, , 269-291.	0.2	2
51	Spatial Patterns of NDVI Variation over Indonesia and Their Relationship to ENSO Warm Events during the Period 1982â€“2006. Journal of Climate, 2009, 22, 6612-6623.	3.2	45
52	Satellite-based prediction of rainfall interception by tropical forest stands of a human-dominated landscape in Central Sulawesi, Indonesia. Journal of Hydrology, 2009, 364, 227-235.	5.4	15
53	Below- and above-ground biomass and net primary production in a paleotropical natural forest (Sulawesi, Indonesia) as compared to neotropical forests. Forest Ecology and Management, 2009, 258, 1904-1912.	3.2	86
54	Regional land cover mapping in the humid tropics using combined optical and SAR satellite dataâ€”a case study from Central Sulawesi, Indonesia. International Journal of Remote Sensing, 2009, 30, 2465-2478.	2.9	57

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55	Prediction of yield and the contribution of legumes in legume-grass mixtures using field spectrometry. Precision Agriculture, 2009, 10, 128-144.	6.0	27
56	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
57	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. GIScience and Remote Sensing, 2008, 45, 229-248.	5.9	16
58	Multi-source image reconstruction: exploitation of EO-1/ALI in Landsat-7/ETM+ SLC-off gap filling. , 2008, , .		5
59	Multi-Source Remotely Sensed Data Combination: Projection Transformation Gap-Fill Procedure. Sensors, 2008, 8, 4429-4440.	3.8	24
60	Tradeoffs between income, biodiversity, and ecosystem functioning during tropical rainforest conversion and agroforestry intensification. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4973-4978.	7.1	396
61	Rainforest conversion in Central Sulawesi, Indonesia: recent development and consequences for river discharge and water resources. Erdkunde, 2007, 61, 284-293.	0.8	10
62	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
63	Potential and limitations of spectral reflectance measurements for the estimation of the site-specific variability in crops. , 2004, 5232, 42.		4