

Christian Ginzler

List of Publications by Year in descending order

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92
papers

3,274
citations

159525

30
h-index

168321

53
g-index

97
all docs

97
docs citations

97
times ranked

4440
citing authors

#	ARTICLE	IF	CITATIONS
1	Species level classification of Mediterranean sparse forests-maquis formations using Sentinel-2 imagery. <i>Geocarto International</i> , 2022, 37, 1587-1606.	1.7	4
2	Improving forest management by implementing best suitable timber harvesting methods. <i>Journal of Environmental Management</i> , 2022, 302, 114099.	3.8	20
3	Regional Patterns of Late Medieval and Early Modern European Building Activity Revealed by Felling Dates. <i>Frontiers in Ecology and Evolution</i> , 2022, 9, .	1.1	8
4	A national extent map of cropland and grassland for Switzerland based on Sentinel-2 data. <i>Earth System Science Data</i> , 2022, 14, 295-305.	3.7	11
5	Integrating recreation into National Forest Inventories – Results from a forest visitor survey in winter and summer. <i>Journal of Outdoor Recreation and Tourism</i> , 2022, 39, 100489.	1.3	6
6	Saproxyllic species are linked to the amount and isolation of dead wood across spatial scales in a beech forest. <i>Landscape Ecology</i> , 2021, 36, 89-104.	1.9	24
7	Cloud Optimized Raster Encoding (CORE): A Web-Native Streamable Format for Large Environmental Time Series. <i>Geomatics</i> , 2021, 1, 369-382.	1.0	2
8	Countrywide mapping of trees outside forests based on remote sensing data in Switzerland. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 100, 102336.	1.4	14
9	Drone-based physiological index reveals long-term acclimation and drought stress responses in trees. <i>Plant, Cell and Environment</i> , 2021, 44, 3552-3570.	2.8	25
10	Applying predictive models to study the ecological properties of urban ecosystems: A case study in Zurich, Switzerland. <i>Landscape and Urban Planning</i> , 2021, 214, 104137.	3.4	17
11	The Swiss data cube, analysis ready data archive using earth observations of Switzerland. <i>Scientific Data</i> , 2021, 8, 295.	2.4	32
12	Factors determining bryophyte species richness and community composition on insular siliceous erratic boulders in calcareous landscapes. <i>Journal of Vegetation Science</i> , 2021, 32, e13094.	1.1	3
13	Countrywide mapping of shrub forest using multi-sensor data and bias correction techniques. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 105, 102613.	1.4	3
14	Assessing structural changes at the forest edge using kernel density estimation. <i>Forest Ecology and Management</i> , 2020, 456, 117639.	1.4	17
15	Large-scale early wilting response of Central European forests to the 2018 extreme drought. <i>Global Change Biology</i> , 2020, 26, 7021-7035.	4.2	80
16	Spatial modelling of ecological indicator values improves predictions of plant distributions in complex landscapes. <i>Ecography</i> , 2020, 43, 1448-1463.	2.1	27
17	Land Cover Classification in Mangrove Ecosystems Based on VHR Satellite Data and Machine Learning – An Upscaling Approach. <i>Remote Sensing</i> , 2020, 12, 2684.	1.8	19
18	An Effective Way to Map Land-Use Intensity with a High Spatial Resolution Based on Habitat Type and Environmental Data. <i>Remote Sensing</i> , 2020, 12, 969.	1.8	4

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19	Airborne-laser-scanning-derived auxiliary information discriminating between broadleaf and conifer trees improves the accuracy of models for predicting timber volume in mixed and heterogeneously structured forests. <i>Forest Ecology and Management</i> , 2020, 459, 117856.	1.4	12
20	Local habitat measures derived from aerial pictures are not strong predictors of amphibian occurrence or abundance. <i>Basic and Applied Ecology</i> , 2020, 45, 51-61.	1.2	6
21	Predicting biomass dynamics at the national extent from digital aerial photogrammetry. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 90, 102116.	1.4	6
22	Grossflächige Klassifikation von Gebirgsschwald mit Fernerkundungsdaten. <i>Schweizerische Zeitschrift Für Forstwesen</i> , 2020, 171, 51-59.	0.5	4
23	Threatened and specialist species suffer from increased wood cover and productivity in Swiss steppes. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 258, 151444.	0.6	19
24	Stand inventory data from the 10â€ha forest research plot in Uholka: 15Âyr of primeval beech forest development. <i>Ecology</i> , 2019, 100, e02845.	1.5	8
25	Estimating belowâ€canopy light regimes using airborne laser scanning: An application to plant community analysis. <i>Ecology and Evolution</i> , 2019, 9, 9149-9159.	0.8	22
26	A Single-Tree Processing Framework Using Terrestrial Laser Scanning Data for Detecting Forest Regeneration. <i>Remote Sensing</i> , 2019, 11, 60.	1.8	5
27	Comparing different classification algorithms for monitoring mangrove cover changes in southern Iran. <i>Global Ecology and Conservation</i> , 2019, 19, e00662.	1.0	46
28	PlÃ©iades satellite images for deriving forest metrics in the Alpine region. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 80, 240-256.	1.4	8
29	Area-Wide Products. <i>Managing Forest Ecosystems</i> , 2019, , 125-142.	0.4	3
30	Waldentwicklung und flachgrÃ¼ndige Rutschungen: eine grossflÃ©chige GIS-Analyse. <i>Schweizerische Zeitschrift Für Forstwesen</i> , 2019, 170, 318-325.	0.5	3
31	An annually-resolved stem growth tool based on 3D laser scans and 2D tree-ring data. <i>Trees - Structure and Function</i> , 2018, 32, 125-136.	0.9	5
32	Forest history and epiphytic lichens: Testing indicators for assessing forest autochthony in Switzerland. <i>Ecological Indicators</i> , 2018, 84, 847-857.	2.6	20
33	Impact of the Acquisition Geometry of Very High-Resolution PlÃ©iades Imagery on the Accuracy of Canopy Height Models over Forested Alpine Regions. <i>Remote Sensing</i> , 2018, 10, 1542.	1.8	23
34	Regional Scale Mapping of Grassland Mowing Frequency with Sentinel-2 Time Series. <i>Remote Sensing</i> , 2018, 10, 1221.	1.8	69
35	Stereo-imagery-based post-stratification by regression-tree modelling in Swiss National Forest Inventory. <i>Remote Sensing of Environment</i> , 2018, 213, 182-194.	4.6	14
36	Comparing historical and contemporary maps - a methodological framework for a cartographic map comparison applied to Swiss maps. <i>International Journal of Geographical Information Science</i> , 2018, 32, 2123-2139.	2.2	11

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37	Towards a comprehensive social and natural scientific forest-recreation monitoring instrument – A prototypical approach. <i>Landscape and Urban Planning</i> , 2017, 167, 84-97.	3.4	36
38	Forest cover mask from historical topographic maps based on image processing. <i>Geoscience Data Journal</i> , 2017, 4, 29-39.	1.8	24
39	Tree biomass in the Swiss landscape: nationwide modelling for improved accounting for forest and non-forest trees. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 106.	1.3	15
40	Changes of forest cover and disturbance regimes in the mountain forests of the Alps. <i>Forest Ecology and Management</i> , 2017, 388, 43-56.	1.4	124
41	Wall-to-Wall Tree Type Mapping from Countrywide Airborne Remote Sensing Surveys. <i>Remote Sensing</i> , 2017, 9, 766.	1.8	45
42	Terrestrial laser scanning improves digital elevation models and topsoil pH modelling in regions with complex topography and dense vegetation. <i>Environmental Modelling and Software</i> , 2017, 95, 13-21.	1.9	35
43	Towards Automated Forest Mapping. , 2017, , 263-304.		0
44	Entwicklungen im Bereich der Fernerkundung für forstliche Anwendungen. <i>Schweizerische Zeitschrift Für Forstwesen</i> , 2017, 168, 118-126.	0.5	3
45	Environmental predictors of species richness in forest landscapes: abiotic factors versus vegetation structure. <i>Journal of Biogeography</i> , 2016, 43, 1080-1090.	1.4	70
46	Progress Towards Harmonised Assessment of Availability and Use of Wood Resources in Europe. , 2016, , 81-104.		1
47	Scale effects in survey estimates of proportions and quantiles of per unit area attributes. <i>Forest Ecology and Management</i> , 2016, 364, 122-129.	1.4	10
48	Comparison of simulated powder snow avalanches with photogrammetric measurements. <i>Annals of Glaciology</i> , 2016, 57, 371-381.	2.8	13
49	Using remote-sensing data to assess habitat selection of a declining passerine at two spatial scales. <i>Landscape Ecology</i> , 2016, 31, 1919-1937.	1.9	15
50	Forest-structure data improve distribution models of threatened habitat specialists: Implications for conservation of epiphytic lichens in forest landscapes. <i>Biological Conservation</i> , 2016, 196, 31-38.	1.9	26
51	Evaluating forest transition based on a multi-scale approach: forest area dynamics in Switzerland 1850 – 2000. <i>Regional Environmental Change</i> , 2016, 16, 1807-1818.	1.4	23
52	Das aktuelle Vegetationsstrukturreferenzmodell der Schweiz: spezifische Anwendungen im Waldbereich. <i>Schweizerische Zeitschrift Für Forstwesen</i> , 2016, 167, 128-135.	0.5	6
53	Wall-to-Wall Forest Mapping Based on Digital Surface Models from Image-Based Point Clouds and a NFI Forest Definition. <i>Forests</i> , 2015, 6, 4510-4528.	0.9	52
54	Mapping Secondary Forest Succession on Abandoned Agricultural Land with LiDAR Point Clouds and Terrestrial Photography. <i>Remote Sensing</i> , 2015, 7, 8300-8322.	1.8	54

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55	Countrywide Stereo-Image Matching for Updating Digital Surface Models in the Framework of the Swiss National Forest Inventory. <i>Remote Sensing</i> , 2015, 7, 4343-4370.	1.8	110
56	Gap pattern of the largest primeval beech forest of Europe revealed by remote sensing. <i>Ecosphere</i> , 2015, 6, 1-15.	1.0	57
57	A novel method to assess short-term forest cover changes based on digital surface models from image-based point clouds. <i>Forestry</i> , 2015, 88, 429-440.	1.2	14
58	Snow depth mapping in high-alpine catchments using digital photogrammetry. <i>Cryosphere</i> , 2015, 9, 229-243.	1.5	94
59	Future landscapes of Switzerland: Risk areas for urbanisation and land abandonment. <i>Applied Geography</i> , 2015, 57, 32-41.	1.7	93
60	Potential of Operational High Spatial Resolution Near-Infrared Remote Sensing Instruments for Snow Surface Type Mapping. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 821-825.	1.4	19
61	Climate-driven introduction of the Black Death and successive plague reintroductions into Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3020-3025.	3.3	225
62	Drought-induced weakening of growth-temperature associations in high-elevation Iberian pines. <i>Global and Planetary Change</i> , 2015, 124, 95-106.	1.6	51
63	Accuracy assessment of airborne photogrammetrically derived high-resolution digital elevation models in a high mountain environment. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014, 98, 58-69.	4.9	38
64	Spatial diversity of recent trends in Mediterranean tree growth. <i>Environmental Research Letters</i> , 2014, 9, 084001.	2.2	32
65	Monitoring of high alpine mass movements combining laser scanning with digital airborne photogrammetry. <i>Geomorphology</i> , 2014, 206, 492-504.	1.1	59
66	National forest inventories in the service of small area estimation of stem volume. <i>Canadian Journal of Forest Research</i> , 2014, 44, 1079-1090.	0.8	30
67	Combining ensemble modeling and remote sensing for mapping individual tree species at high spatial resolution. <i>Forest Ecology and Management</i> , 2013, 310, 64-73.	1.4	78
68	Driving factors of a vegetation shift from Scots pine to pubescent oak in dry Alpine forests. <i>Global Change Biology</i> , 2013, 19, 229-240.	4.2	280
69	Filling the Eastern European gap in millennium-long temperature reconstructions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1773-1778.	3.3	131
70	Airborne laser scanning and digital stereo imagery measures of forest structure: comparative results and implications to forest mapping and inventory update. <i>Canadian Journal of Remote Sensing</i> , 2013, 39, 382-395.	1.1	165
71	Small area estimations of proportion of forest and timber volume combining Lidar data and stereo aerial images with terrestrial data. <i>Scandinavian Journal of Forest Research</i> , 2013, 28, 373-385.	0.5	29
72	Forest delineation of aerial images with Gabor wavelets. <i>International Journal of Remote Sensing</i> , 2012, 33, 2196-2213.	1.3	9

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73	Reply to Holtzman and Gallagher. <i>Clinical Infectious Diseases</i> , 2012, 55, 1586-1586.	2.9	12
74	Accuracy Assessment of Digital Surface Models Based on WorldView-2 and ADS80 Stereo Remote Sensing Data. <i>Sensors</i> , 2012, 12, 6347-6368.	2.1	92
75	Digitizing Historical Plague. <i>Clinical Infectious Diseases</i> , 2012, 55, 1586-1588.	2.9	35
76	High Resolution DEM Generation in High Alpine Terrain Using Airborne Remote Sensing Techniques. <i>Transactions in GIS</i> , 2012, 16, 635-647.	1.0	41
77	Forest variable estimation using a high-resolution digital surface model. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2012, 74, 78-84.	4.9	111
78	Relating remotely sensed forest damage data to wind data: storms Lothar (1999) and Vivian (1990) in Switzerland. <i>Theoretical and Applied Climatology</i> , 2012, 108, 451-462.	1.3	11
79	Semi-automatic classification of tree species in different forest ecosystems by spectral and geometric variables derived from Airborne Digital Sensor (ADS40) and RC30 data. <i>Remote Sensing of Environment</i> , 2011, 115, 76-85.	4.6	86
80	Kombination von Landesforstinventar- und Fernerkundungsdaten für Kleingebietsschätzungen. <i>Schweizerische Zeitschrift Für Forstwesen</i> , 2011, 162, 290-299.	0.5	5
81	Waldflächenentwicklung der letzten 120 Jahre in der Schweiz. <i>Schweizerische Zeitschrift Für Forstwesen</i> , 2011, 162, 337-343.	0.5	12
82	Die Baumbedeckung in der Schweiz. <i>Schweizerische Zeitschrift Für Forstwesen</i> , 2011, 162, 344-349.	0.5	3
83	Assessing changes of forest area and shrub encroachment in a mire ecosystem using digital surface models and CIR aerial images. <i>Remote Sensing of Environment</i> , 2008, 112, 1956-1968.	4.6	69
84	High-resolution digital surface models (DSMs) for modelling fractional shrub/tree cover in a mire environment. <i>International Journal of Remote Sensing</i> , 2008, 29, 1261-1276.	1.3	25
85	Sensitivity assessment on continuous landscape variables to classify a discrete forest area. <i>Forest Ecology and Management</i> , 2006, 229, 111-119.	1.4	25
86	Ökologische Resilienz nach Feuer: Die Waldbrandfläche Leuk als Modellfall Ecological resilience after fire: the forest fire area above Leuk as a model case study. <i>Schweizerische Zeitschrift Für Forstwesen</i> , 2005, 156, 345-352.	0.5	10
87	Mapping alpine vegetation based on image analysis, topographic variables and anonical Correspondence Analysis. <i>Applied Vegetation Science</i> , 2003, 6, 85.	0.9	33
88	COMPARISON OF DIGITAL SURFACE MODELS FOR SNOW DEPTH MAPPING WITH UAV AND AERIAL CAMERAS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B8, 453-458.	0.2	6
89	WIDE-AREA MAPPING OF FOREST WITH NATIONAL AIRBORNE LASER SCANNING AND FIELD INVENTORY DATASETS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B8, 727-731.	0.2	2
90	MAPPING SECONDARY FOREST SUCCESSION ON ABANDONED AGRICULTURAL LAND IN THE POLISH CARPATHIANS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B8, 931-935.	0.2	4

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91	Drying conditions in Switzerland â€“ indication from a 35-year Landsat time-series analysis of vegetation water content estimates to support SDGs. Big Earth Data, 0, , 1-31.	2.0	13
92	INTEGRATION OF HETEROGENOUS DIGITAL SURFACE MODELS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXVIII-4/W25, 14-18.	0.2	0