Christian Ginzler

List of Publications by Year
in descending order

92	3,274	159525 30	168321 53
papers	citations	h-index	g-index

97	97	97	4440
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Driving factors of a vegetation shift from Scots pine to pubescent oak in dry Alpine forests. Global Change Biology, 2013, 19, 229-240.	4.2	280
2	Climate-driven introduction of the Black Death and successive plague reintroductions into Europe. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3020-3025.	3.3	225
3	Airborne laser scanning and digital stereo imagery measures of forest structure: comparative results and implications to forest mapping and inventory update. Canadian Journal of Remote Sensing, 2013, 39, 382-395.	1.1	165
4	Filling the Eastern European gap in millennium-long temperature reconstructions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1773-1778.	3.3	131
5	Changes of forest cover and disturbance regimes in the mountain forests of the Alps. Forest Ecology and Management, 2017, 388, 43-56.	1.4	124
6	Forest variable estimation using a high-resolution digital surface model. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 74, 78-84.	4.9	111
7	Countrywide Stereo-Image Matching for Updating Digital Surface Models in the Framework of the Swiss National Forest Inventory. Remote Sensing, 2015, 7, 4343-4370.	1.8	110
8	Snow depth mapping in high-alpine catchments using digital photogrammetry. Cryosphere, 2015, 9, 229-243.	1.5	94
9	Future landscapes of Switzerland: Risk areas for urbanisation and land abandonment. Applied Geography, 2015, 57, 32-41.	1.7	93
10	Accuracy Assessment of Digital Surface Models Based on WorldView-2 and ADS80 Stereo Remote Sensing Data. Sensors, 2012, 12, 6347-6368.	2.1	92
11	Semi-automatic classification of tree species in different forest ecosystems by spectral and geometric variables derived from Airborne Digital Sensor (ADS40) and RC30 data. Remote Sensing of Environment, 2011, 115, 76-85.	4.6	86
12	Largeâ€scale earlyâ€wilting response of Central European forests to the 2018 extreme drought. Global Change Biology, 2020, 26, 7021-7035.	4.2	80
13	Combining ensemble modeling and remote sensing for mapping individual tree species at high spatial resolution. Forest Ecology and Management, 2013, 310, 64-73.	1.4	78
14	Environmental predictors of species richness in forest landscapes: abiotic factors versus vegetation structure. Journal of Biogeography, 2016, 43, 1080-1090.	1.4	70
15	Assessing changes of forest area and shrub encroachment in a mire ecosystem using digital surface models and CIR aerial images. Remote Sensing of Environment, 2008, 112, 1956-1968.	4.6	69
16	Regional Scale Mapping of Grassland Mowing Frequency with Sentinel-2 Time Series. Remote Sensing, 2018, 10, 1221.	1.8	69
17	Monitoring of high alpine mass movements combining laser scanning with digital airborne photogrammetry. Geomorphology, 2014, 206, 492-504.	1.1	59
18	Gap pattern of the largest primeval beech forest of Europe revealed by remote sensing. Ecosphere, 2015, 6, 1-15.	1.0	57

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19	Mapping Secondary Forest Succession on Abandoned Agricultural Land with LiDAR Point Clouds and Terrestrial Photography. Remote Sensing, 2015, 7, 8300-8322.	1.8	54
20	Wall-to-Wall Forest Mapping Based on Digital Surface Models from Image-Based Point Clouds and a NFI Forest Definition. Forests, 2015, 6, 4510-4528.	0.9	52
21	Drought-induced weakening of growthâ€“temperature associations in high-elevation Iberian pines. Global and Planetary Change, 2015, 124, 95-106.	1.6	51
22	Comparing different classification algorithms for monitoring mangrove cover changes in southern Iran. Global Ecology and Conservation, 2019, 19, e00662.	1.0	46
23	Wall-to-Wall Tree Type Mapping from Countrywide Airborne Remote Sensing Surveys. Remote Sensing, 2017, 9, 766.	1.8	45
24	High Resolution <scp>DEM</scp> Generation in Highâ€Alpine Terrain Using Airborne Remote Sensing Techniques. Transactions in GIS, 2012, 16, 635-647.	1.0	41
25	Accuracy assessment of airborne photogrammetrically derived high-resolution digital elevation models in a high mountain environment. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 98, 58-69.	4.9	38
26	Towards a comprehensive social and natural scientific forest-recreation monitoring instrumentâ€”A prototypical approach. Landscape and Urban Planning, 2017, 167, 84-97.	3.4	36
27	Digitizing Historical Plague. Clinical Infectious Diseases, 2012, 55, 1586-1588.	2.9	35
28	Terrestrial laser scanning improves digital elevation models and topsoil pH modelling in regions with complex topography and dense vegetation. Environmental Modelling and Software, 2017, 95, 13-21.	1.9	35
29	Mapping alpine vegetation based on image analysis, topographic variables and anonical Correspondence Analysis. Applied Vegetation Science, 2003, 6, 85.	0.9	33
30	Spatial diversity of recent trends in Mediterranean tree growth. Environmental Research Letters, 2014, 9, 084001.	2.2	32
31	The Swiss data cube, analysis ready data archive using earth observations of Switzerland. Scientific Data, 2021, 8, 295.	2.4	32
32	National forest inventories in the service of small area estimation of stem volume. Canadian Journal of Forest Research, 2014, 44, 1079-1090.	0.8	30
33	Small area estimations of proportion of forest and timber volume combining Lidar data and stereo aerial images with terrestrial data. Scandinavian Journal of Forest Research, 2013, 28, 373-385.	0.5	29
34	Spatial modelling of ecological indicator values improves predictions of plant distributions in complex landscapes. Ecography, 2020, 43, 1448-1463.	2.1	27
35	Forest-structure data improve distribution models of threatened habitat specialists: Implications for conservation of epiphytic lichens in forest landscapes. Biological Conservation, 2016, 196, 31-38.	1.9	26
36	Sensitivity assessment on continuous landscape variables to classify a discrete forest area. Forest Ecology and Management, 2006, 229, 111-119.	1.4	25

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37	Highâ€resolution digital surface models (DSMs) for modelling fractional shrub/tree cover in a mire environment. International Journal of Remote Sensing, 2008, 29, 1261-1276.	1.3	25
38	Droneâ€based physiological index reveals longâ€term acclimation and drought stress responses in trees. Plant, Cell and Environment, 2021, 44, 3552-3570.	2.8	25
39	Forest cover mask from historical topographic maps based on image processing. Geoscience Data Journal, 2017, 4, 29-39.	1.8	24
40	Saproxylic species are linked to the amount and isolation of dead wood across spatial scales in a beech forest. Landscape Ecology, 2021, 36, 89-104.	1.9	24
41	Evaluating forest transition based on a multi-scale approach: forest area dynamics in Switzerland 1850â€“2000. Regional Environmental Change, 2016, 16, 1807-1818.	1.4	23
42	Impact of the Acquisition Geometry of Very High-Resolution PlÃ©iades Imagery on the Accuracy of Canopy Height Models over Forested Alpine Regions. Remote Sensing, 2018, 10, 1542.	1.8	23
43	Estimating belowâ€canopy light regimes using airborne laser scanning: An application to plant community analysis. Ecology and Evolution, 2019, 9, 9149-9159.	0.8	22
44	Forest history and epiphytic lichens: Testing indicators for assessing forest autochthony in Switzerland. Ecological Indicators, 2018, 84, 847-857.	2.6	20
45	Improving forest management by implementing best suitable timber harvesting methods. Journal of Environmental Management, 2022, 302, 114099.	3.8	20
46	Potential of Operational High Spatial Resolution Near-Infrared Remote Sensing Instruments for Snow Surface Type Mapping. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 821-825.	1.4	19
47	Threatened and specialist species suffer from increased wood cover and productivity in Swiss steppes. Flora: Morphology, Distribution, Functional Ecology of Plants, 2019, 258, 151444.	0.6	19
48	Land Cover Classification in Mangrove Ecosystems Based on VHR Satellite Data and Machine Learningâ€”An Upscaling Approach. Remote Sensing, 2020, 12, 2684.	1.8	19
49	Assessing structural changes at the forest edge using kernel density estimation. Forest Ecology and Management, 2020, 456, 117639.	1.4	17
50	Applying predictive models to study the ecological properties of urban ecosystems: A case study in ZÃ¼rich, Switzerland. Landscape and Urban Planning, 2021, 214, 104137.	3.4	17
51	Using remote-sensing data to assess habitat selection of a declining passerine at two spatial scales. Landscape Ecology, 2016, 31, 1919-1937.	1.9	15
52	Tree biomass in the Swiss landscape: nationwide modelling for improved accounting for forest and non-forest trees. Environmental Monitoring and Assessment, 2017, 189, 106.	1.3	15
53	A novel method to assess short-term forest cover changes based on digital surface models from image-based point clouds. Forestry, 2015, 88, 429-440.	1.2	14
54	Stereo-imagery-based post-stratification by regression-tree modelling in Swiss National Forest Inventory. Remote Sensing of Environment, 2018, 213, 182-194.	4.6	14

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55	Countrywide mapping of trees outside forests based on remote sensing data in Switzerland. International Journal of Applied Earth Observation and Geoinformation, 2021, 100, 102336.	1.4	14
56	Comparison of simulated powder snow avalanches with photogrammetric measurements. Annals of Glaciology, 2016, 57, 371-381.	2.8	13
57	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
58	Reply to Holtzman and Gallagher. Clinical Infectious Diseases, 2012, 55, 1586-1586.	2.9	12
59	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. Forest Ecology and Management, 2020, 459, 117856.	1.4	12
60	WaldflÃchenentwicklung der letzten 120 Jahre in der Schweiz. Schweizerische Zeitschrift Fur Forstwesen, 2011, 162, 337-343.	0.5	12
61	Relating remotely sensed forest damage data to wind data: storms Lothar (1999) and Vivian (1990) in Switzerland. Theoretical and Applied Climatology, 2012, 108, 451-462.	1.3	11
62	Comparing historical and contemporary maps - a methodological framework for a cartographic map comparison applied to Swiss maps. International Journal of Geographical Information Science, 2018, 32, 2123-2139.	2.2	11
63	A national extent map of cropland and grassland for Switzerland based on Sentinel-2 data. Earth System Science Data, 2022, 14, 295-305.	3.7	11
64	Scale effects in survey estimates of proportions and quantiles of per unit area attributes. Forest Ecology and Management, 2016, 364, 122-129.	1.4	10
65	Ã–kologische Resilienz nach Feuer: Die WaldbrandflÃche Leuk als Modellfall | Ecological resilience after fire: the forest fire area above Leuk as a model case study. Schweizerische Zeitschrift Fur Forstwesen, 2005, 156, 345-352.	0.5	10
66	Forest delineation of aerial images with Gabor wavelets. International Journal of Remote Sensing, 2012, 33, 2196-2213.	1.3	9
67	Stand inventory data from the 10â€ha forest research plot in Uholka: 15Âyr of primeval beech forest development. Ecology, 2019, 100, e02845.	1.5	8
68	PlÃ©iades satellite images for deriving forest metrics in the Alpine region. International Journal of Applied Earth Observation and Geoinformation, 2019, 80, 240-256.	1.4	8
69	Regional Patterns of Late Medieval and Early Modern European Building Activity Revealed by Felling Dates. Frontiers in Ecology and Evolution, 2022, 9, .	1.1	8
70	Local habitat measures derived from aerial pictures are not strong predictors of amphibian occurrence or abundance. Basic and Applied Ecology, 2020, 45, 51-61.	1.2	6
71	Predicting biomass dynamics at the national extent from digital aerial photogrammetry. International Journal of Applied Earth Observation and Geoinformation, 2020, 90, 102116.	1.4	6
72	Das aktuelle VegetationshÃ¶henmodell der Schweiz: spezifische Anwendungen im Waldbereich. Schweizerische Zeitschrift Fur Forstwesen, 2016, 167, 128-135.	0.5	6

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73	COMPARISON OF DIGITAL SURFACE MODELS FOR SNOW DEPTH MAPPING WITH UAV AND AERIAL CAMERAS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 453-458.	0.2	6
74	Integrating recreation into National Forest Inventories â€“ Results from a forest visitor survey in winter and summer. Journal of Outdoor Recreation and Tourism, 2022, 39, 100489.	1.3	6
75	An annually-resolved stem growth tool based on 3D laser scans and 2D tree-ring data. Trees - Structure and Function, 2018, 32, 125-136.	0.9	5
76	A Single-Tree Processing Framework Using Terrestrial Laser Scanning Data for Detecting Forest Regeneration. Remote Sensing, 2019, 11, 60.	1.8	5
77	Kombination von Landesforstinventar- und Fernerkundungsdaten fÃ¼r KleingebietsschÃtzungen. Schweizerische Zeitschrift Fur Forstwesen, 2011, 162, 290-299.	0.5	5
78	An Effective Way to Map Land-Use Intensity with a High Spatial Resolution Based on Habitat Type and Environmental Data. Remote Sensing, 2020, 12, 969.	1.8	4
79	Species level classification of Mediterranean sparse forests-maquis formations using Sentinel-2 imagery. Geocarto International, 2022, 37, 1587-1606.	1.7	4
80	MAPPING SECONDARY FOREST SUCCESSION ON ABANDONED AGRICULTURAL LAND IN THE POLISH CARPATHIANS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 931-935.	0.2	4
81	GrossflÃchige Klassifikation von GebÃ¼schwald mit Fernerkundungsdaten. Schweizerische Zeitschrift Fur Forstwesen, 2020, 171, 51-59.	0.5	4
82	Area-Wide Products. Managing Forest Ecosystems, 2019, , 125-142.	0.4	3
83	Die Baumbedeckung in der Schweiz. Schweizerische Zeitschrift Fur Forstwesen, 2011, 162, 344-349.	0.5	3
84	Waldentwicklung und flachgrÃ¼ndige Rutschungen: eine grossflÃchige GIS-Analyse. Schweizerische Zeitschrift Fur Forstwesen, 2019, 170, 318-325.	0.5	3
85	Entwicklungen im Bereich der Fernerkundung fÃ¼r forstliche Anwendungen. Schweizerische Zeitschrift Fur Forstwesen, 2017, 168, 118-126.	0.5	3
86	Factors determining bryophyte species richness and community composition on insular siliceous erratic boulders in calcareous landscapes. Journal of Vegetation Science, 2021, 32, e13094.	1.1	3
87	Countrywide mapping of shrub forest using multi-sensor data and bias correction techniques. International Journal of Applied Earth Observation and Geoinformation, 2021, 105, 102613.	1.4	3
88	Cloud Optimized Raster Encoding (CORE): A Web-Native Streamable Format for Large Environmental Time Series. Geomatics, 2021, 1, 369-382.	1.0	2
89	WIDE-AREA MAPPING OF FOREST WITH NATIONAL AIRBORNE LASER SCANNING AND FIELD INVENTORY DATASETS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 727-731.	0.2	2
90	Progress Towards Harmonised Assessment of Availability and Use of Wood Resources in Europe. , 2016, , 81-104.		1

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91	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
92	Towards Automated Forest Mapping. , 2017, , 263-304.		0