

# Dirk Hoffmeister

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

735  
citations

759233

12  
h-index

610901

24  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1020  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multitemporal crop surface models: accurate plant height measurement and biomass estimation with terrestrial laser scanning in paddy rice. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 083671.	1.3	154
2	A Comparison of UAV- and TLS-derived Plant Height for Crop Monitoring: Using Polygon Grids for the Analysis of Crop Surface Models (CSMs). <i>Photogrammetrie, Fernerkundung, Geoinformation</i> , 2016, 2016, 85-94.	1.2	62
3	Crop height variability detection in a single field by multi-temporal terrestrial laser scanning. <i>Precision Agriculture</i> , 2016, 17, 296-312.	6.0	40
4	High-resolution Crop Surface Models (CSM) and Crop Volume Models (CVM) on field level by terrestrial laser scanning. , 2009, , .		39
5	Transferability of Models for Estimating Paddy Rice Biomass from Spatial Plant Height Data. <i>Agriculture (Switzerland)</i> , 2015, 5, 538-560.	3.1	37
6	Beachrock-type calcarenitic tsunamites along the shores of the eastern Ionian Sea (western Greece) case studies from Akarnania, the Ionian Islands and the western Peloponnese. <i>Zeitschrift für Geomorphologie</i> , 2010, 54, 1-50.	0.8	34
7	Accuracy Assessment of Landform Classification Approaches on Different Spatial Scales for the Iranian Loess Plateau. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 366.	2.9	34
8	Filling the observational gap in the Atacama Desert with a new network of climate stations. <i>Global and Planetary Change</i> , 2020, 184, 103034.	3.5	31
9	Gradients in climate, geology, and topography affecting coastal alluvial fan morphodynamics in hyperarid regions – The Atacama perspective. <i>Global and Planetary Change</i> , 2020, 185, 102994.	3.5	27
10	ANALYSIS OF MULTITEMPORAL AND MULTISENSOR REMOTE SENSING DATA FOR CROP ROTATION MAPPING. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, I-7, 177-182.	0.0	25
11	The decline of the early Neolithic population center of 'Ain Ghazal and corresponding earth-surface processes, Jordan Rift Valley. <i>Quaternary Research</i> , 2012, 78, 427-441.	1.7	24
12	A Relief Dependent Evaluation of Digital Elevation Models on Different Scales for Northern Chile. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 430.	2.9	21
13	Assessing Spatiotemporal Variations of Sentinel-1 InSAR Coherence at Different Time Scales over the Atacama Desert (Chile) between 2015 and 2018. <i>Remote Sensing</i> , 2019, 11, 2960.	4.0	17
14	Late Pleistocene alluvial fan evolution along the coastal Atacama Desert (N Chile). <i>Global and Planetary Change</i> , 2020, 190, 103091.	3.5	17
15	TERRESTRIAL LASER SCANNING FOR COASTAL GEOMORPHOLOGIC RESEARCH IN WESTERN GREECE. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XXXIX-B5, 511-516.	0.2	15
16	Research data management services for a multidisciplinary, collaborative research project. <i>Data Technologies and Applications</i> , 2015, 49, 494-512.	0.8	14
17	3D model-based estimations of volume and mass of high-energy dislocated boulders in coastal areas of Greece by terrestrial laser scanning. <i>Zeitschrift für Geomorphologie</i> , 2014, 58, 115-135.	0.8	13
18	Zebra stripes in the Atacama Desert revisited – Granular fingering as a mechanism for zebra stripe formation?. <i>Geomorphology</i> , 2019, 344, 46-59.	2.6	13

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19	Identification of humid periods in the Atacama Desert through hillslope activity established by infrared stimulated luminescence (IRSL) dating. <i>Global and Planetary Change</i> , 2020, 185, 103086.	3.5	12
20	Simulation of tallow lamp light within the 3D model of the Ardales Cave, Spain. <i>Quaternary International</i> , 2017, 430, 22-29.	1.5	11
21	Origin and timing of past hillslope activity in the hyper-arid core of the Atacama Desert – The formation of fine sediment lobes along the Chuculay Fault System, Northern Chile. <i>Global and Planetary Change</i> , 2020, 184, 103057.	3.5	11
22	A statistical test on the local effects of spatially structured variance. <i>International Journal of Geographical Information Science</i> , 2018, 32, 571-600.	4.8	9
23	Monitoring the sedimentary budget and dislocated boulders in western Greece – results since 2008. <i>Sedimentology</i> , 2020, 67, 1411-1430.	3.1	9
24	Monitoring annual changes of the coastal sedimentary budget in western budget Greece by terrestrial laser scanning terrestrial scanning. <i>Zeitschrift für Geomorphologie</i> , 2013, 57, 47-67.	0.8	8
25	EVALUATION OF DIGITAL ELEVATION MODELS FOR GEOMORPHOMETRIC ANALYSES ON DIFFERENT SCALES FOR NORTHERN CHILE. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W13, 1229-1235.	0.2	8
26	EVALUATION OF TERRESTRIAL LASER SCANNING FOR RICE GROWTH MONITORING. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XXXIX-B7, 351-356.	0.2	8
27	The Investigation of the Ardales Cave, Spain – 3D Documentation, Topographic Analyses, and Lighting Simulations based on Terrestrial Laser Scanning. <i>Archaeological Prospection</i> , 2016, 23, 75-86.	2.2	7
28	Role of geomorphic surface on the above-ground biomass and soil organic carbon storage in a semi-arid region of Iranian loess plateau. <i>Quaternary International</i> , 2020, 552, 111-121.	1.5	7
29	Geoarchaeological site documentation and analysis of 3D data derived by terrestrial laser scanning. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, II-5, 173-179.	0.0	5
30	Revealing Sediment Transport Pathways and Geomorphic Change in Washover Fans by Combining Drone-Derived Digital Elevation Models and Single Grain Luminescence Data. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2020JF005792.	2.8	4
31	Comprehensive vertical accuracy analysis of freely available DEMs for different landscape types of the Rur catchment, Germany. <i>Geocarto International</i> , 2022, 37, 7774-7799.	3.5	4
32	Scientific Research Data Management for Soil-Vegetation-Atmosphere Data – The TR32DB. <i>International Journal of Digital Curation</i> , 2012, 7, 68-80.	0.2	4
33	TR32DB – Management and visualization of heterogeneous scientific data. , 2011, , .		3
34	Lunar surface processes inferred from cosmogenic radionuclides in Apollo 16 double drive core 68002/68001. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 336-351.	3.9	3
35	Assessing the influence of environmental factors and datasets on soil type prediction with two machine learning algorithms in a heterogeneous area in the Rur catchment, Germany. <i>Geoderma Regional</i> , 2020, 22, e00316.	2.1	3
36	3D Laser Scanning for Geoarchaeological Documentation and Analysis. <i>Natural Science in Archaeology</i> , 2018, , 183-199.	1.7	1

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37	Mapping of subaerial coarse clasts. , 2020, , 169-184.		1