

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
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all docs

37
docs citations

37
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Late Pleistocene alluvial fan evolution along the coastal Atacama Desert (N Chile). <i>Global and Planetary Change</i> , 2020, 190, 103091.	3.5	17
9	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
10	Monitoring the sedimentary budget and dislocated boulders in western Greece – results since 2008. <i>Sedimentology</i> , 2020, 67, 1411-1430.	3.1	9
11	Mapping of subaerial coarse clasts. , 2020, , 169-184.		1
12	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
13	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
14	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
15	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
16	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
17	3D Laser Scanning for Geoarchaeological Documentation and Analysis. <i>Natural Science in Archaeology</i> , 2018, , 183-199.	1.7	1
18	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

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19	Accuracy Assessment of Landform Classification Approaches on Different Spatial Scales for the Iranian Loess Plateau. ISPRS International Journal of Geo-Information, 2017, 6, 366.	2.9	34
20	The Investigation of the Ardales Cave, Spain – 3D Documentation, Topographic Analyses, and Lighting Simulations based on Terrestrial Laser Scanning. Archaeological Prospection, 2016, 23, 75-86.	2.2	7
21	Crop height variability detection in a single field by multi-temporal terrestrial laser scanning. Precision Agriculture, 2016, 17, 296-312.	6.0	40
22	A Comparison of UAV- and TLS-derived Plant Height for Crop Monitoring: Using Polygon Grids for the Analysis of Crop Surface Models (CSMs). Photogrammetrie, Fernerkundung, Geoinformation, 2016, 2016, 85-94.	1.2	62
23	Transferability of Models for Estimating Paddy Rice Biomass from Spatial Plant Height Data. Agriculture (Switzerland), 2015, 5, 538-560.	3.1	37
24	Research data management services for a multidisciplinary, collaborative research project. Data Technologies and Applications, 2015, 49, 494-512.	0.8	14
25	Multitemporal crop surface models: accurate plant height measurement and biomass estimation with terrestrial laser scanning in paddy rice. Journal of Applied Remote Sensing, 2014, 8, 083671.	1.3	154
26	3D model-based estimations of volume and mass of high-energy dislocated boulders in coastal areas of Greece by terrestrial laser scanning. Zeitschrift für Geomorphologie, 2014, 58, 115-135.	0.8	13
27	Monitoring annual changes of the coastal sedimentary budget in western budget Greece by terrestrial laser scanning terrestrial scanning. Zeitschrift für Geomorphologie, 2013, 57, 47-67.	0.8	8
28	The decline of the early Neolithic population center of 'Ain Ghazal and corresponding earth-surface processes, Jordan Rift Valley. Quaternary Research, 2012, 78, 427-441.	1.7	24
29	Scientific Research Data Management for Soil-Vegetation-Atmosphere Data – The TR32DB. International Journal of Digital Curation, 2012, 7, 68-80.	0.2	4
30	TR32DB – 2014; Management and visualization of heterogeneous scientific data. , 2011, , .		3
31	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. Zeitschrift für Geomorphologie, 2010, 54, 1-50.	0.8	34
32	High-resolution Crop Surface Models (CSM) and Crop Volume Models (CVM) on field level by terrestrial laser scanning. , 2009, , .		39
33	EVALUATION OF DIGITAL ELEVATION MODELS FOR GEOMORPHOMETRIC ANALYSES ON DIFFERENT SCALES FOR NORTHERN CHILE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 1229-1235.	0.2	8
34	ANALYSIS OF MULTITEMPORAL AND MULTISENSOR REMOTE SENSING DATA FOR CROP ROTATION MAPPING. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, I-7, 177-182.	0.0	25
35	Geoarchaeological site documentation and analysis of 3D data derived by terrestrial laser scanning. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-5, 173-179.	0.0	5
36	TERRESTRIAL LASER SCANNING FOR COASTAL GEOMORPHOLOGIC RESEARCH IN WESTERN GREECE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B5, 511-516.	0.2	15

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37	EVALUATION OF TERRESTRIAL LASER SCANNING FOR RICE GROWTH MONITORING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B7, 351-356.	0.2	8