

Jon Mills

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/145708/publications.pdf>

Version: 2024-02-01

93
papers

3,654
citations

236833

25
h-index

143943

57
g-index

94
all docs

94
docs citations

94
times ranked

4907
citing authors

#	ARTICLE	IF	CITATIONS
1	On-site geometric calibration of RPAS mounted sensors for SfM photogrammetric geomorphological surveys. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 1615-1634.	1.2	4
2	Optimizing Moving Object Trajectories from Roadside Lidar Data by Joint Detection and Tracking. <i>Remote Sensing</i> , 2022, 14, 2124.	1.8	8
3	Quantifying the effect of geometric uncertainty on the structural behaviour of arches developed from direct measurement and Structure-from-Motion (SfM) photogrammetry. <i>Engineering Structures</i> , 2021, 230, 111710.	2.6	13
4	Integration and Analysis of Multi-Modal Geospatial Secondary Data to Inform Management of at-Risk Archaeological Sites. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 575.	1.4	1
5	Three-dimensional discrete element modelling of rubble masonry structures from dense point clouds. <i>Automation in Construction</i> , 2020, 119, 103365.	4.8	24
6	Vehicle Tracking and Speed Estimation From Roadside Lidar. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 5597-5608.	2.3	80
7	Functional Requirements of Systems for Visualization of Sustainable Development Goal (SDG) Indicators. <i>Journal of Geovisualization and Spatial Analysis</i> , 2020, 4, 1.	2.1	15
8	A New Processing Chain for Real-Time Ground-Based SAR (RT-GBSAR) Deformation Monitoring. <i>Remote Sensing</i> , 2019, 11, 2437.	1.8	8
9	Modelling of instrument repositioning errors in discontinuous Multi-Campaign Ground-Based SAR (MC-GBSAR) deformation monitoring. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 157, 26-40.	4.9	15
10	Four Dimensional Mapping of Vegetation Moisture Content Using Dual-Wavelength Terrestrial Laser Scanning. <i>Remote Sensing</i> , 2019, 11, 2311.	1.8	10
11	Three dimensional mapping of forest canopy equivalent water thickness using dual-wavelength terrestrial laser scanning. <i>Agricultural and Forest Meteorology</i> , 2019, 276-277, 107627.	1.9	13
12	Guidelines on the use of structure-from-motion photogrammetry in geomorphic research. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2081-2084.	1.2	178
13	Measuring Leaf Equivalent Water Thickness of Short-Rotation Coppice Willow Canopy Using Terrestrial Laser Scanning. , 2019, , .		1
14	Professor Jim Chandler. <i>Photogrammetric Record</i> , 2019, 34, 467-480.	0.4	0
15	The Comparison of the Web GIS Applications Relevant for 4D Models Sharing. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 362, 012158.	0.2	2
16	Automated co-registration and calibration in SfM photogrammetry for landslide change detection. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 287-303.	1.2	32
17	Estimation of vegetation water content at leaf and canopy level using dual-wavelength commercial terrestrial laser scanners. <i>Interface Focus</i> , 2018, 8, 20170041.	1.5	16
18	Geoinformatics for the conservation and promotion of cultural heritage in support of the UN Sustainable Development Goals. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 142, 389-406.	4.9	101

#	ARTICLE	IF	CITATIONS
19	Rigorous 3D change determination in Antarctic Peninsula glaciers from stereo WorldView-2 and archival aerial imagery. <i>Remote Sensing of Environment</i> , 2018, 205, 18-31.	4.6	36
20	GPS precise point positioning for UAV photogrammetry. <i>Photogrammetric Record</i> , 2018, 33, 427-447.	0.4	58
21	ISPRS Commission II Midterm Symposium, June 2018. <i>Photogrammetric Record</i> , 2018, 33, 381-384.	0.4	1
22	Share Our Cultural Heritage (SOCH): Worldwide 3D Heritage Reconstruction and Visualization via Web and Mobile GIS. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 360.	1.4	34
23	A New Nonlocal Method for Ground-Based Synthetic Aperture Radar Deformation Monitoring. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 3769-3781.	2.3	8
24	A new approach to selecting coherent pixels for ground-based SAR deformation monitoring. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 144, 412-422.	4.9	25
25	A Flexible, Generic Photogrammetric Approach to Zoom Lens Calibration. <i>Remote Sensing</i> , 2017, 9, 244.	1.8	6
26	Brief communication: Landslide motion from cross correlation of UAV-derived morphological attributes. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 2143-2150.	1.5	47
27	Mosaicking of Unmanned Aerial Vehicle Imagery in the Absence of Camera Poses. <i>Remote Sensing</i> , 2016, 8, 204.	1.8	55
28	Information from imagery: ISPRS scientific vision and research agenda. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 115, 3-21.	4.9	75
29	Global land cover mapping at 30m resolution: A POK-based operational approach. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 103, 7-27.	4.9	1,301
30	In-flight photogrammetric camera calibration and validation via complementary lidar. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 100, 3-13.	4.9	28
31	Calibrated Full-Waveform Airborne Laser Scanning for 3D Object Segmentation. <i>Remote Sensing</i> , 2014, 6, 4109-4132.	1.8	2
32	Accuracy Assessment of Commercial Self-Calibrating Bundle Adjustment Routines Applied to Archival Aerial Photography. <i>Photogrammetric Record</i> , 2013, 28, 96-114.	0.4	20
33	Echo Amplitude Normalization of Full-Waveform Airborne Laser Scanning Data Based on Robust Incidence Angle Estimation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 2910-2918.	2.7	22
34	Multi-decadal glacier surface lowering in the Antarctic Peninsula. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	36
35	A Remote Sensing Approach for Landslide Hazard Assessment on Engineered Slopes. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 1048-1056.	2.7	25
36	Characterising soil moisture in transport corridor environments using airborne LIDAR and CASI data. <i>Hydrological Processes</i> , 2012, 26, 1925-1936.	1.1	9

#	ARTICLE	IF	CITATIONS
37	ISPRS Commission V Symposium: Close Range Image Measurement Techniques. Photogrammetric Record, 2011, 26, 381-383.	0.4	0
38	Factors Influencing Pulse Width of Small Footprint, Full Waveform Airborne Laser Scanning Data. Photogrammetric Engineering and Remote Sensing, 2010, 76, 49-59.	0.3	20
39	Modelling vertical error in LiDAR-derived digital elevation models. ISPRS Journal of Photogrammetry and Remote Sensing, 2010, 65, 103-110.	4.9	103
40	Rigorous pulse detection from full-waveform airborne laser scanning data. International Journal of Remote Sensing, 2010, 31, 1303-1324.	1.3	36
41	An assessment of surface matching for the automated co-registration of MOLA, HRSC and HiRISE DTMs. Earth and Planetary Science Letters, 2010, 294, 520-533.	1.8	27
42	Assessment of Glacier Volume Change Using ASTER-Based Surface Matching of Historical Photography. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1971-1979.	2.7	31
43	Optimizing photogrammetric DEMs for glacier volume change assessment using laser-scanning derived ground-control points. Journal of Glaciology, 2009, 55, 106-116.	1.1	53
44	XXIst International Congress of Photogrammetry and Remote Sensing. Photogrammetric Record, 2009, 24, 66-102.	0.4	3
45	ISPRS Workshop: High-Resolution Earth Imaging for Geospatial Information. Photogrammetric Record, 2009, 24, 386-389.	0.4	0
46	Geometric validation of a ground-based mobile laser scanning system. ISPRS Journal of Photogrammetry and Remote Sensing, 2008, 63, 128-141.	4.9	169
47	A robust surface matching technique for coastal geohazard assessment and management. ISPRS Journal of Photogrammetry and Remote Sensing, 2008, 63, 529-542.	4.9	40
48	Detection, measurement and prediction of shoreline recession in Accra, Ghana. ISPRS Journal of Photogrammetry and Remote Sensing, 2008, 63, 543-558.	4.9	176
49	Accuracy assessment of lidar-derived digital elevation models. Photogrammetric Record, 2008, 23, 148-169.	0.4	84
50	Videogrammetric monitoring of as-built membrane roof structures. Photogrammetric Record, 2008, 23, 128-147.	0.4	28
51	High-resolution earth imaging for geospatial information, Part I. Photogrammetric Record, 2008, 23, 252-254.	0.4	1
52	High-resolution earth imaging for geospatial information, part II. Photogrammetric Record, 2008, 23, 351-352.	0.4	1
53	A Robust Surface Matching Technique for Integrated Monitoring of Coastal Geohazards. Marine Geodesy, 2007, 30, 109-123.	0.9	12
54	ISPRS Commission V Symposium: Image Engineering And Vision Metrology. Photogrammetric Record, 2007, 22, 94-96.	0.4	5

#	ARTICLE	IF	CITATIONS
55	ISPRS workshop: High resolution earth imaging for geospatial information. Photogrammetric Record, 2007, 22, 274-276.	0.4	1
56	Laser Scanning for Architectural Conservation. Journal of Architectural Conservation, 2006, 12, 35-52.	0.1	27
57	ISPRS Commission I Symposium: From Sensors to Imagery. Photogrammetric Record, 2006, 21, 398-401.	0.4	4
58	Theme issue: "Digital aerial cameras" ISPRS Journal of Photogrammetry and Remote Sensing, 2006, 60, 361-362.	4.9	2
59	Integration of videogrammetry and terrestrial laser scanning for dynamic surface modeling. , 2005, , .		5
60	A geomatics data integration technique for coastal change monitoring. Earth Surface Processes and Landforms, 2005, 30, 651-664.	1.2	95
61	Geomatics Techniques for Structural Surveying. Journal of Surveying Engineering, - ASCE, 2004, 130, 56-64.	1.0	53
62	Xxth International Congress of Photogrammetry and Remote Sensing. Photogrammetric Record, 2004, 19, 375-402.	0.4	2
63	Title is missing!. Mathematical Geosciences, 2003, 35, 347-350.	0.9	2
64	Geometric assessment of the kodak DCS Pro back. Photogrammetric Record, 2003, 18, 193-208.	0.4	9
65	Synergistic Fusion of GPS and Photogrammetrically Generated Elevation Models. Photogrammetric Engineering and Remote Sensing, 2003, 69, 341-349.	0.3	22
66	Pavement Deformation Monitoring in a Rolling Load Facility. Photogrammetric Record, 2001, 17, 07-24.	0.4	26
67	Small Format Digital Cameras for Aerial Survey: Where Are We Now?. Photogrammetric Record, 2000, 16, 905-909.	0.4	2
68	Finescale topographical correlates of behavioural investment in offspring by female grey seals, Halichoerus grypus. Animal Behaviour, 2000, 59, 327-338.	0.8	47
69	Photogrammetric Reverse Engineering of the "Angel of the North" Photogrammetric Record, 1999, 16, 457-468.	0.4	3
70	Photogrammetry from Archived Digital Imagery for Seal Monitoring. Photogrammetric Record, 1997, 15, 715-724.	0.4	11
71	A new approach to the verification and revision of large-scale mapping. ISPRS Journal of Photogrammetry and Remote Sensing, 1996, 51, 17-27.	4.9	9
72	Aerial Photography for Survey Purposes with a High Resolution, Small Format, Digital Camera. Photogrammetric Record, 1996, 15, 575-587.	0.4	21

#	ARTICLE	IF	CITATIONS
73	An Investigation Into The Use Of Kodak Photo CD For Digital Photogrammetry. Photogrammetric Record, 1995, 15, 301-314.	0.4	6
74	SURVEYING IN MOTOR SPORT. Survey Review, 1994, 32, 485-494.	0.7	0
75	Laser Scanning Surveying of Linear Features: Considerations and Applications. , 0, , 245-261.		6
76	OCCUPANCY MODELLING FOR MOVING OBJECT DETECTION FROM LIDAR POINT CLOUDS: A COMPARATIVE STUDY. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-2/W4, 171-178.	0.0	5
77	IMAGE-BASED VEHICLE TRACKING FROM ROADSIDE LIDAR DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 1177-1183.	0.2	6
78	AIRBORNE TO UAS LIDAR: AN ANALYSIS OF UAS LIDAR GROUND CONTROL TARGETS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 255-262.	0.2	7
79	PHOTOGRAMMETRIC ASSESSMENT AND COMPARISON OF DJI PHANTOM 4 PRO AND PHANTOM 4 RTK SMALL UNMANNED AIRCRAFT SYSTEMS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 503-509.	0.2	41
80	FEASIBILITY STUDY OF LOW-COST IMAGE-BASED HERITAGE DOCUMENTATION IN NEPAL. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W3, 237-242.	0.2	17
81	CULTURAL HERITAGE THROUGH TIME: A CASE STUDY AT HADRIAN'S WALL, UNITED KINGDOM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W3, 297-302.	0.2	13
82	4D RECONSTRUCTION AND VISUALIZATION OF CULTURAL HERITAGE: ANALYZING OUR LEGACY THROUGH TIME. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W3, 609-616.	0.2	52
83	DOCUMENTATION OF HERITAGE STRUCTURES THROUGH GEO-CROWDSOURCING AND WEB-MAPPING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W7, 17-21.	0.2	11
84	Automatic urban 3D building reconstruction from multi-ray photogrammetry. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3, 219-226.	0.2	4
85	AUTOMATIC 3D BUILDING RECONSTRUCTION FROM A DENSE IMAGE MATCHING DATASET. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B3, 641-648.	0.2	4
86	TOWARDS A LOW-COST, REAL-TIME PHOTOGRAMMETRIC LANDSLIDE MONITORING SYSTEM UTILISING MOBILE AND CLOUD COMPUTING TECHNOLOGY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 791-797.	0.2	4
87	ACCURACY ASSESSMENT OF A UAV-BASED LANDSLIDE MONITORING SYSTEM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 895-902.	0.2	27
88	REMOTELY-SENSED GLACIER CHANGE ESTIMATION: A CASE STUDY AT LINDBLAD COVE, ANTARCTIC PENINSULA. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, III-8, 71-78.	0.0	0
89	ARCHAEOLOGICAL FEATURE DETECTION FROM ARCHIVE AERIAL PHOTOGRAPHY WITH A SFM-MVS AND IMAGE ENHANCEMENT PIPELINE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2, 869-875.	0.2	5
90	THE POTENTIAL OF DUAL-WAVELENGTH TERRESTRIAL LASER SCANNING IN 3D CANOPY FUEL MOISTURE CONTENT MAPPING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 975-979.	0.2	0

#	ARTICLE	IF	CITATIONS
91	INVESTIGATION INTO THE POTENTIAL OF SINGLE PHOTON AIRBORNE LASER SCANNING TECHNOLOGY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 927-934.	0.2	4
92	A REVIEW OF BENCHMARKING IN PHOTOGRAMMETRY AND REMOTE SENSING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-1/W2, 1-8.	0.2	3
93	Characterising Soil Moisture as an Indicator of Transport Corridor Slope Instability using Remotely Sensed Data. , 0, , .		0