

Jon Mills

List of Publications by Year in descending order

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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	Global land cover mapping at 30m resolution: A POK-based operational approach. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 103, 7-27.	4.9	1,301
2	Guidelines on the use of structure-from-motion photogrammetry in geomorphic research. Earth Surface Processes and Landforms, 2019, 44, 2081-2084.	1.2	178
3	Detection, measurement and prediction of shoreline recession in Accra, Ghana. ISPRS Journal of Photogrammetry and Remote Sensing, 2008, 63, 543-558.	4.9	176
4	Geometric validation of a ground-based mobile laser scanning system. ISPRS Journal of Photogrammetry and Remote Sensing, 2008, 63, 128-141.	4.9	169
5	Modelling vertical error in LiDAR-derived digital elevation models. ISPRS Journal of Photogrammetry and Remote Sensing, 2010, 65, 103-110.	4.9	103
6	Geoinformatics for the conservation and promotion of cultural heritage in support of the UN Sustainable Development Goals. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 142, 389-406.	4.9	101
7	A geomatics data integration technique for coastal change monitoring. Earth Surface Processes and Landforms, 2005, 30, 651-664.	1.2	95
8	Accuracy assessment of lidar-derived digital elevation models. Photogrammetric Record, 2008, 23, 148-169.	0.4	84
9	Vehicle Tracking and Speed Estimation From Roadside Lidar. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5597-5608.	2.3	80
10	Information from imagery: ISPRS scientific vision and research agenda. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 115, 3-21.	4.9	75
11	GPS precise point positioning for UAV photogrammetry. Photogrammetric Record, 2018, 33, 427-447.	0.4	58
12	Mosaicking of Unmanned Aerial Vehicle Imagery in the Absence of Camera Poses. Remote Sensing, 2016, 8, 204.	1.8	55
13	Geomatics Techniques for Structural Surveying. Journal of Surveying Engineering, - ASCE, 2004, 130, 56-64.	1.0	53
14	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
15	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
16	Finescale topographical correlates of behavioural investment in offspring by female grey seals, Halichoerus grypus. Animal Behaviour, 2000, 59, 327-338.	0.8	47
17	Brief communication: Landslide motion from cross correlation of UAV-derived morphological attributes. Natural Hazards and Earth System Sciences, 2017, 17, 2143-2150.	1.5	47
18	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

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19	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
20	Rigorous pulse detection from full-waveform airborne laser scanning data. International Journal of Remote Sensing, 2010, 31, 1303-1324.	1.3	36
21	Multi-decadal glacier surface lowering in the Antarctic Peninsula. Geophysical Research Letters, 2012, 39, .	1.5	36
22	Rigorous 3D change determination in Antarctic Peninsula glaciers from stereo WorldView-2 and archival aerial imagery. Remote Sensing of Environment, 2018, 205, 18-31.	4.6	36
23	Share Our Cultural Heritage (SOCH): Worldwide 3D Heritage Reconstruction and Visualization via Web and Mobile GIS. ISPRS International Journal of Geo-Information, 2018, 7, 360.	1.4	34
24	Automated co-registration and calibration in SfM photogrammetry for landslide change detection. Earth Surface Processes and Landforms, 2019, 44, 287-303.	1.2	32
25	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
26	Videogrammetric monitoring of as-built membrane roof structures. Photogrammetric Record, 2008, 23, 128-147.	0.4	28
27	In-flight photogrammetric camera calibration and validation via complementary lidar. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 100, 3-13.	4.9	28
28	Laser Scanning for Architectural Conservation. Journal of Architectural Conservation, 2006, 12, 35-52.	0.1	27
29	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
30	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
31	Pavement Deformation Monitoring in a Rolling Load Facility. Photogrammetric Record, 2001, 17, 07-24.	0.4	26
32	A Remote Sensing Approach for Landslide Hazard Assessment on Engineered Slopes. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 1048-1056.	2.7	25
33	A new approach to selecting coherent pixels for ground-based SAR deformation monitoring. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 144, 412-422.	4.9	25
34	Three-dimensional discrete element modelling of rubble masonry structures from dense point clouds. Automation in Construction, 2020, 119, 103365.	4.8	24
35	Synergistic Fusion of GPS and Photogrammetrically Generated Elevation Models. Photogrammetric Engineering and Remote Sensing, 2003, 69, 341-349.	0.3	22
36	Echo Amplitude Normalization of Full-Waveform Airborne Laser Scanning Data Based on Robust Incidence Angle Estimation. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 2910-2918.	2.7	22

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37	Aerial Photography for Survey Purposes with a High Resolution, Small Format, Digital Camera. Photogrammetric Record, 1996, 15, 575-587.	0.4	21
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	Accuracy Assessment of Commercial Self-Calibrating Bundle Adjustment Routines Applied to Archival Aerial Photography. Photogrammetric Record, 2013, 28, 96-114.	0.4	20
40	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
41	Estimation of vegetation water content at leaf and canopy level using dual-wavelength commercial terrestrial laser scanners. Interface Focus, 2018, 8, 20170041.	1.5	16
42	Modelling of instrument repositioning errors in discontinuous Multi-Campaign Ground-Based SAR (MC-GBSAR) deformation monitoring. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 157, 26-40.	4.9	15
43	Functional Requirements of Systems for Visualization of Sustainable Development Goal (SDG) Indicators. Journal of Geovisualization and Spatial Analysis, 2020, 4, 1.	2.1	15
44	Three dimensional mapping of forest canopy equivalent water thickness using dual-wavelength terrestrial laser scanning. Agricultural and Forest Meteorology, 2019, 276-277, 107627.	1.9	13
45	Quantifying the effect of geometric uncertainty on the structural behaviour of arches developed from direct measurement and Structure-from-Motion (SfM) photogrammetry. Engineering Structures, 2021, 230, 111710.	2.6	13
46	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
47	A Robust Surface Matching Technique for Integrated Monitoring of Coastal Geohazards. Marine Geodesy, 2007, 30, 109-123.	0.9	12
48	Photogrammetry from Archived Digital Imagery for Seal Monitoring. Photogrammetric Record, 1997, 15, 715-724.	0.4	11
49	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
50	Four Dimensional Mapping of Vegetation Moisture Content Using Dual-Wavelength Terrestrial Laser Scanning. Remote Sensing, 2019, 11, 2311.	1.8	10
51	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
52	Geometric assessment of the kodak DCS Pro back. Photogrammetric Record, 2003, 18, 193-208.	0.4	9
53	Characterising soil moisture in transport corridor environments using airborne LIDAR and CASI data. Hydrological Processes, 2012, 26, 1925-1936.	1.1	9
54	A New Nonlocal Method for Ground-Based Synthetic Aperture Radar Deformation Monitoring. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3769-3781.	2.3	8

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55	A New Processing Chain for Real-Time Ground-Based SAR (RT-GBSAR) Deformation Monitoring. Remote Sensing, 2019, 11, 2437.	1.8	8
56	Optimizing Moving Object Trajectories from Roadside Lidar Data by Joint Detection and Tracking. Remote Sensing, 2022, 14, 2124.	1.8	8
57	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
58	An Investigation Into The Use Of Kodak Photo CD For Digital Photogrammetry. Photogrammetric Record, 1995, 15, 301-314.	0.4	6
59	Laser Scanning Surveying of Linear Features: Considerations and Applications. , 0, , 245-261.		6
60	A Flexible, Generic Photogrammetric Approach to Zoom Lens Calibration. Remote Sensing, 2017, 9, 244.	1.8	6
61	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
62	Integration of videogrammetry and terrestrial laser scanning for dynamic surface modeling. , 2005, , .		5
63	ISPRS Commission V Symposium: Image Engineering And Vision Metrology. Photogrammetric Record, 2007, 22, 94-96.	0.4	5
64	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
65	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
66	ISPRS Commission I Symposium: From Sensors to Imagery. Photogrammetric Record, 2006, 21, 398-401.	0.4	4
67	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
68	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
69	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
70	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
71	On-site geometric calibration of RPAS mounted sensors for SfM photogrammetric geomorphological surveys. Earth Surface Processes and Landforms, 2022, 47, 1615-1634.	1.2	4
72	Photogrammetric Reverse Engineering of the "Angel of the North". Photogrammetric Record, 1999, 16, 457-468.	0.4	3

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73	XXIst International Congress of Photogrammetry and Remote Sensing. Photogrammetric Record, 2009, 24, 66-102.	0.4	3
74	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
75	Small Format Digital Cameras for Aerial Survey: Where Are We Now?. Photogrammetric Record, 2000, 16, 905-909.	0.4	2
76	Title is missing!. Mathematical Geosciences, 2003, 35, 347-350.	0.9	2
77	Xxth International Congress of Photogrammetry and Remote Sensing. Photogrammetric Record, 2004, 19, 375-402.	0.4	2
78	Theme issue: "Digital aerial cameras". ISPRS Journal of Photogrammetry and Remote Sensing, 2006, 60, 361-362.	4.9	2
79	Calibrated Full-Waveform Airborne Laser Scanning for 3D Object Segmentation. Remote Sensing, 2014, 6, 4109-4132.	1.8	2
80	The Comparison of the Web GIS Applications Relevant for 4D Models Sharing. IOP Conference Series: Earth and Environmental Science, 2019, 362, 012158.	0.2	2
81	ISPRS workshop: High resolution earth imaging for geospatial information. Photogrammetric Record, 2007, 22, 274-276.	0.4	1
82	High-resolution earth imaging for geospatial information, Part I. Photogrammetric Record, 2008, 23, 252-254.	0.4	1
83	High-resolution earth imaging for geospatial information, part II. Photogrammetric Record, 2008, 23, 351-352.	0.4	1
84	ISPRS Commission II Midterm Symposium, June 2018. Photogrammetric Record, 2018, 33, 381-384.	0.4	1
85	Measuring Leaf Equivalent Water Thickness of Short-Rotation Coppice Willow Canopy Using Terrestrial Laser Scanning. , 2019, , .		1
86	Integration and Analysis of Multi-Modal Geospatial Secondary Data to Inform Management of at-Risk Archaeological Sites. ISPRS International Journal of Geo-Information, 2021, 10, 575.	1.4	1
87	SURVEYING IN MOTOR SPORT. Survey Review, 1994, 32, 485-494.	0.7	0
88	ISPRS Workshop: High-Resolution Earth Imaging for Geospatial Information. Photogrammetric Record, 2009, 24, 386-389.	0.4	0
89	ISPRS Commission V Symposium: Close Range Image Measurement Techniques. Photogrammetric Record, 2011, 26, 381-383.	0.4	0
90	Professor Jim Chandler. Photogrammetric Record, 2019, 34, 467-480.	0.4	0

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91	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
92	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
93	Characterising Soil Moisture as an Indicator of Transport Corridor Slope Instability using Remotely Sensed Data. , 0, , .		0