Estimation of erosion and deposition volumes in a large synoptic remote sensing

Earth Surface Processes and Landforms 28, 249-271 DOI: 10.1002/esp.483

Citation Report

#	Article	IF	CITATIONS
3	Evolution and deposits of a gravelly braid bar, Sagavanirktok River, Alaska. Sedimentology, 2004, 51, 415-432.	1.6	134
4	Using an airborne laser scanner for the identification of shallow landslides and susceptibility assessment in an area of ignimbrite overlain by permeable pyroclastics. Landslides, 2004, 1, 203-209.	2.7	61
6	A network-index-based version of TOPMODEL for use with high-resolution digital topographic data. Hydrological Processes, 2004, 18, 191-201.	1.1	140
7	Passive optical remote sensing of river channel morphology and in-stream habitat: Physical basis and feasibility. Remote Sensing of Environment, 2004, 93, 493-510.	4.6	190
8	Effects of channel morphology and sensor spatial resolution on image-derived depth estimates. Remote Sensing of Environment, 2005, 95, 231-247.	4.6	54
9	Remotely Sensed Topographic Data for River Channel Research: The Identification, Explanation and Management of Error. , 2005, , 113-136.		19
10	Debris flow deposition and reworking by the Colorado River in Grand Canyon, Arizona. Water Resources Research, 2006, 42, .	1.7	16
11	Spatial variability in river sediments and its link with river channel geometry. Water Resources Research, 2006, 42, .	1.7	38
12	Sensitivity of channel mapping techniques to uncertainty in digital elevation data. International Journal of Geographical Information Science, 2006, 20, 669-692.	2.2	48
13	BED MATERIAL TRANSPORT AND THE MORPHOLOGY OF ALLUVIAL RIVER CHANNELS. Annual Review of Earth and Planetary Sciences, 2006, 34, 325-354.	4.6	555
14	Extracting photogrammetric ground control from lidar DEMs for change detection. Photogrammetric Record, 2006, 21, 312-328.	0.4	42
15	Automated correction of surface obstruction errors in digital surface models using off-the-shelf image processing. Photogrammetric Record, 2006, 21, 373-397.	0.4	7
16	Improving models of juvenile Atlantic salmon habitat use through high resolution remote sensing. Ecological Modelling, 2006, 197, 505-511.	1.2	19
18	2 Gravel-bed rivers at the reach scale. Developments in Earth Surface Processes, 2007, , 33-53.	2.8	10
19	HRSC-A data: a new high-resolution data set with multipurpose applications in physical geography. Progress in Physical Geography, 2007, 31, 179-197.	1.4	14
20	Large Rivers from Space. , 0, , 535-552.		3
21	Quantifying geomorphic evolution of earthquake-triggered landslides and their relation to active normal faults. An example from the Gulf of Corinth, Greece. Tectonophysics, 2007, 440, 85-104.	0.9	29
22	Channel braiding and stability of the Brahmaputra River, Bangladesh, since 1967: GIS and remote sensing analyses. Geomorphology, 2007, 85, 294-305.	1.1	69

#	Article	IF	CITATIONS
23	River channel change during the last 50Âyears in the middle Yangtze River, the Jianli reach. Geomorphology, 2007, 85, 185-196.	1.1	99
24	The timing and magnitude of coarse sediment transport events within an upland, temperate gravel-bed river. Geomorphology, 2007, 83, 152-182.	1.1	59
25	Cellular modelling of river catchments and reaches: Advantages, limitations and prospects. Geomorphology, 2007, 90, 192-207.	1.1	112
26	21 Contemporary morphological change in braided gravel-bed rivers: new developments from field and laboratory studies, with particular reference to the influence of riparian vegetation. Developments in Earth Surface Processes, 2007, 11, 557-584.	2.8	21
27	Hydrology and geomorphic effects of a highâ€magnitude flood in an alpine river. Geografiska Annaler, Series A: Physical Geography, 2007, 89, 5-19.	0.6	24
28	Evaluation of an Experimental LiDAR for Surveying a Shallow, Braided, Sand-Bedded River. Journal of Hydraulic Engineering, 2007, 133, 838-842.	0.7	102
29	Sediment transport and channel adjustments associated with dam removal: Field observations. Water Resources Research, 2007, 43, .	1.7	42
30	Towards a protocol for laser scanning in fluvial geomorphology. Earth Surface Processes and Landforms, 2007, 32, 66-74.	1.2	232
31	Application of a 3D laser scanner in the assessment of erosion and deposition volumes and channel change in a proglacial river. Earth Surface Processes and Landforms, 2007, 32, 1657-1674.	1.2	280
32	Very high spatial resolution imagery for channel bathymetry and topography from an unmanned mapping controlled platform. Earth Surface Processes and Landforms, 2007, 32, 1705-1725.	1.2	179
33	GIS Methodology for Quantifying Channel Change in Las Vegas, Nevada. Journal of the American Water Resources Association, 2007, 43, 888-898.	1.0	16
34	Sediment flux in a small gravel-bed stream: Response to channel remediation works. New Zealand Geographer, 2007, 63, 169-180.	0.4	20
35	Assessing the ability of airborne LiDAR to map river bathymetry. Earth Surface Processes and Landforms, 2008, 33, 773-783.	1.2	205
36	Spatial prediction of river channel topography by kriging. Earth Surface Processes and Landforms, 2008, 33, 841-867.	1.2	88
37	Optical remote mapping of rivers at subâ€meter resolutions and watershed extents. Earth Surface Processes and Landforms, 2008, 33, 4-24.	1.2	238
38	Estimation of river discharge, propagation speed, and hydraulic geometry from space: Lena River, Siberia. Water Resources Research, 2008, 44, .	1.7	185
39	Monitoring and modelling particle and reach-scale morphological change in gravel-bed rivers: Applications and challenges. Geomorphology, 2008, 93, 40-54.	1.1	73
40	Reconceptualising coarse sediment delivery problems in rivers as catchment-scale and diffuse. Geomorphology, 2008, 98, 227-249.	1.1	61

# 41	ARTICLE High Resolution Remote Sensing for Understanding Instream Habitat. , 0, , 185-204.	IF	Citations 3
44	The potential of digital filtering of generic topographic data for geomorphological research. Earth Surface Processes and Landforms, 2009, 34, 63-74.	1.2	36
45	Longitudinal distributions of river flood power: the combined automated flood, elevation and stream power (CAFES) methodology. Earth Surface Processes and Landforms, 2009, 34, 280-290.	1.2	56
46	Water surface mapping from airborne laser scanning using signal intensity and elevation data. Earth Surface Processes and Landforms, 2009, 34, 1635-1649.	1.2	140
47	Application of boatâ€based laser scanning for river survey. Earth Surface Processes and Landforms, 2009, 34, 1831-1838.	1.2	101
48	Accounting for uncertainty in DEMs from repeat topographic surveys: improved sediment budgets. Earth Surface Processes and Landforms, 2010, 35, 136-156.	1.2	474
49	Integrating ecology with hydromorphology: a priority for river science and management. Aquatic Conservation: Marine and Freshwater Ecosystems, 2009, 19, 113-125.	0.9	271
50	Influence of survey strategy and interpolation model on DEM quality. Geomorphology, 2009, 112, 334-344.	1.1	207
51	Innovations in Remote Sensing and Photogrammetry. Lecture Notes in Geoinformation and Cartography, 2009, , .	0.5	11
52	Laser Scanning: Data Quality, Protocols and General Issues. , 0, , 82-101.		2
53	Dual-scale validation of a medium-resolution coastal DEM with terrestrial LiDAR DSM and GPS. Computers and Geosciences, 2010, 36, 489-499.	2.0	36
54	High resolution, basin extent observations and implications for understanding river form and process. Earth Surface Processes and Landforms, 2010, 35, 680-698.	1.2	35
55	Photogrammetric monitoring of small streams under a riparian forest canopy. Earth Surface Processes and Landforms, 2010, 35, 952-970.	1.2	62
56	Quantification of braided river channel change using archival digital image analysis. Earth Surface Processes and Landforms, 2010, 35, 971-985.	1.2	94
57	Channel and floodplain sediment dynamics in a reach of the tropical meandering Rio Beni (Bolivian) Tj ETQq0 0 C) rgBT /Ove	erlock 10 Tf 5
59	Linking geomorphic changes to salmonid habitat at a scale relevant to fish. River Research and Applications, 2010, 26, 469-486.	0.7	101
60	Assessment of Erosion, Deposition and Rill Development On Irregular Soil Surfaces Using Close Range Digital Photogrammetry. Photogrammetric Record, 2010, 25, 299-318.	0.4	66
61	Morphological dynamics of upland headwater streams in the southern North Island of New Zealand. New Zealand Geographer, 2010, 66, 14-32.	0.4	8

#	Article	IF	CITATIONS
62	The assessment of shear stress and bed stability in stream ecology. Freshwater Biology, 2010, 55, 261-281.	1.2	39
63	Reconstruction of subgridâ€scale topographic variability and its effect upon the spatial structure of threeâ€dimensional river flow. Water Resources Research, 2010, 46, .	1.7	15
64	Extreme rates of channel incision and shape evolution in response to a continuous, rapid base-level fall, the Dead Sea, Israel. Geomorphology, 2010, 114, 227-237.	1.1	54
65	Assessment of morphological changes induced by flow and flood pulses in a gravel bed braided river: The Tagliamento River (Italy). Geomorphology, 2010, 114, 348-360.	1.1	115
66	Using sediment impact sensors to improve the morphological sediment budget approach for estimating bedload transport rates. Geomorphology, 2010, 119, 125-134.	1.1	34
67	The impact of DEM data source on prediction of flooding and erosion risk due to sea-level rise. International Journal of Geographical Information Science, 2011, 25, 1191-1211.	2.2	34
68	Laser scanning applications in fluvial studies. Progress in Physical Geography, 2011, 35, 782-809.	1.4	86
69	Monitoring Braided River Change Using Terrestrial Laser Scanning and Optical Bathymetric Mapping. Developments in Earth Surface Processes, 2011, 15, 507-532.	2.8	41
70	Filtering spatial error from DEMs: Implications for morphological change estimation. Geomorphology, 2011, 125, 160-171.	1.1	212
71	3D initial sediment distribution and quantification of mass balances of an artificially-created hydrological catchment based on DEMs from aerial photographs using GOCAD. Physics and Chemistry of the Earth, 2011, 36, 87-100.	1.2	19
72	Drainage organization on the newly emerged Dead Sea bed, Israel. Quaternary International, 2011, 233, 53-60.	0.7	10
73	Mapping Topography Changes and Elevation Accuracies Using a Mobile Laser Scanner. Remote Sensing, 2011, 3, 587-600.	1.8	75
74	Modelling the response of river systems to environmental change: Progress, problems and prospects for palaeo-environmental reconstructions. Earth-Science Reviews, 2011, 104, 167-185.	4.0	77
75	Evaluation of the controls affecting the quality of spatial data derived from historical aerial photographs. Earth Surface Processes and Landforms, 2011, 36, 853-863.	1.2	9
76	Active width of gravelâ€bed braided rivers. Earth Surface Processes and Landforms, 2011, 36, 1510-1521.	1.2	93
77	Detection of surface change in complex topography using terrestrial laser scanning: application to the Illgraben debrisâ€flow channel. Earth Surface Processes and Landforms, 2011, 36, 1847-1859.	1.2	121
78	Modelling spatial exclusion of a vulnerable native fish by introduced trout in rivers using landscape features: a new tool for conservation management. Aquatic Conservation: Marine and Freshwater Ecosystems, 2011, 21, 484-493.	0.9	10
79	Geometry and grain-size characteristics of the basal surface of a braided river deposit. Geology, 2011, 39, 247-250.	2.0	22

#	Article	IF	CITATIONS
80	Initial Ecosystem Processes as Key Factors of Landscape Development—A Review. Physical Geography, 2012, 33, 305-343.	0.6	37
84	Assessment of sediment delivery from successive erosion on stream-coupled hillslopes via a time series of topographic surveys in the central high mountain range of Taiwan. Quaternary International, 2012, 263, 14-25.	0.7	19
85	Geomorphic change detection using historic maps and DEM differencing: The temporal dimension of geospatial analysis. Geomorphology, 2012, 137, 181-198.	1.1	208
86	Geospatial technologies and digital geomorphological mapping: Concepts, issues and research. Geomorphology, 2012, 137, 5-26.	1.1	199
87	Geomorphic impact and system recovery following an extreme flood in an upland stream: Thinhope Burn, northern England, UK. Geomorphology, 2012, 138, 319-328.	1.1	64
90	Using multiple bed load measurements: Toward the identification of bed dilation and contraction in gravelâ€bed rivers. Journal of Geophysical Research, 2012, 117, .	3.3	32
91	Experimental meandering river with chute cutoffs. Journal of Geophysical Research, 2012, 117, .	3.3	116
92	Closing a sediment budget for a reconfigured reach of the Provo River, Utah, United States. Water Resources Research, 2012, 48, .	1.7	28
93	Evolutionary trajectory of channel morphology and controlling factors in a large gravel-bed river. Geomorphology, 2012, 173-174, 104-117.	1.1	117
94	Significant decadal channel change 58–67years post-dam accounting for uncertainty in topographic change detection between contour maps and point cloud models. Geomorphology, 2012, 179, 71-88.	1.1	54
95	Lidar Quantification of Bank Erosion in Blue Earth County, Minnesota. Journal of Environmental Quality, 2012, 41, 197-207.	1.0	26
96	Assessing DEM interpolation methods for effective representation of upland stream morphology for rapid appraisal of bed stability. River Research and Applications, 2012, 28, 567-584.	0.7	51
97	Throughâ€water terrestrial laser scanning of gravel beds at the patch scale. Earth Surface Processes and Landforms, 2012, 37, 411-421.	1.2	65
98	Remote measurement of river morphology via fusion of LiDAR topography and spectrally based bathymetry. Earth Surface Processes and Landforms, 2012, 37, 499-518.	1.2	104
99	Evaluation of remotelyâ€sensed DEMs and modification based on plausibility rules and initial sediment budgets of an artificiallyâ€created catchment. Earth Surface Processes and Landforms, 2012, 37, 708-725.	1.2	20
100	Erosional power in the Swiss Alps: characterization of slope failure in the Illgraben. Earth Surface Processes and Landforms, 2012, 37, 1627-1640.	1.2	81
101	Quantifying riparian zone structure from airborne LiDAR: Vegetation filtering, anisotropic interpolation, and uncertainty propagation. Journal of Hydrology, 2012, 442-443, 36-45.	2.3	18
102	From geotechnical analysis to quantification and modelling using LiDAR data: a study on rockfall in the Reintal catchment, Bavarian Alps, Germany. Earth Surface Processes and Landforms, 2012, 37, 119-133.	1.2	48

#	ARTICLE Splitting rivers at their seams: bifurcations and avulsion. Earth Surface Processes and Landforms,	IF 1.2	CITATIONS
103	2013, 38, 47-61. RIVERBED DIGITAL ELEVATION MODELS AS A TOOL FOR HOLISTIC RIVER MANAGEMENT: MOTUEKA RIVER,	0.7	16
105	14.2 Fundamental Classic and Modern Field Techniques in Geomorphology: An Overview. , 2013, , 6-21.		7
106	Accurate 3D comparison of complex topography with terrestrial laser scanner: Application to the Rangitikei canyon (N-Z). ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 82, 10-26.	4.9	843
107	14.7 Methods in Geomorphology: Investigating River Channel Form. , 2013, , 73-91.		17
108	9.35 Remote Data in Fluvial Geomorphology: Characteristics and Applications. , 2013, , 711-729.		10
109	9.17 Morphology and Dynamics of Braided Rivers. , 2013, , 289-312.		84
110	Potential of Space-Borne LiDAR Sensors for Global Bathymetry in Coastal and Inland Waters. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 202-216.	2.3	54
111	12.4 River Processes and Implications for Fluvial Ecogeomorphology: A European Perspective. , 2013, , 37-52.		16
112	Quantifying different riverbank erosion processes during an extreme flood event. Earth Surface Processes and Landforms, 2013, 38, 1393-1406.	1.2	43
113	Braided River Flow and Invasive Vegetation Dynamics in the Southern Alps, New Zealand. Environmental Management, 2013, 52, 1-18.	1.2	20
114	LONG PROFILE RESPONSES OF ALPINE BRAIDED RIVERS IN SE FRANCE. River Research and Applications, 2013, 29, 1253-1266.	0.7	55
115	Contemporary geomorphological activity throughout the proglacial area of an alpine catchment. Geomorphology, 2013, 188, 83-95.	1.1	65
116	Linking spatial patterns of bed surface texture, bed mobility, and channel hydraulics in a mountain stream to potential spawning substrate for small resident trout. Geomorphology, 2013, 197, 96-107.	1.1	33
117	The use of multi temporal LiDAR to assess basin-scale erosion and deposition following the catastrophic January 2011 Lockyer flood, SE Queensland, Australia. Geomorphology, 2013, 184, 111-126.	1.1	76
118	High-Temporal-Frequency Terrestrial Laser Scanning, Selawik River, Alaska. Remote Sensing, 2013, 5, 2813-2837. Geomorphic effects, flood power, and channel competence of a catastrophic flood in confined and	1.8	117
119	unconfined reaches of the upper Lockyer valley, southeast Queensland, Australia. Geomorphology, 2013, 197, 156-169. Evaluating short-term morphological changes in a gravel-bed braided river using terrestrial laser	1.1	61
-120	scanner. Geomorphology, 2013, 201, 323-334.	1.1	

#	Article	IF	CITATIONS
121	Topographic structure from motion: a new development in photogrammetric measurement. Earth Surface Processes and Landforms, 2013, 38, 421-430.	1.2	857
122	Initial hydroâ€geomorphic development and rill network evolution in an artificial catchment. Earth Surface Processes and Landforms, 2013, 38, 1496-1512.	1.2	18
123	Morphological changes on meander point bars associated with flow structure at different discharges. Earth Surface Processes and Landforms, 2013, 38, 577-590.	1.2	77
124	Linking morphodynamic response with sediment mass balance on the Colorado River in Marble Canyon: Issues of scale, geomorphic setting, and sampling design. Journal of Geophysical Research F: Earth Surface, 2013, 118, 361-381.	1.0	51
125	Morphological and Stratigraphical Signature of Floods In A Braided Gravel-Bed River Revealed From Flume Experiments. Journal of Sedimentary Research, 2013, 83, 1032-1045.	0.8	21
126	Quantification of the relation between surface morphodynamics and subsurface sedimentological product in sandy braided rivers. Sedimentology, 2013, 60, 820-839.	1.6	25
127	Morphotextural characterization of dryland braided channels. Bulletin of the Geological Society of America, 2013, 125, 1599-1617.	1.6	18
128	Effects of riparian vegetation on topographic change during a large flood event, Rio Puerco, New Mexico, USA. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1193-1209.	1.0	35
129	Morphodynamic signatures of braiding mechanisms as expressed through change in sediment storage in a gravelâ€bed river. Journal of Geophysical Research F: Earth Surface, 2013, 118, 759-779.	1.0	146
130	Kinematics of active earthflows revealed by digital image correlation and DEM subtraction techniques applied to multiâ€ŧemporal LiDAR data. Earth Surface Processes and Landforms, 2013, 38, 640-654.	1.2	42
131	Variations in multiscale curvature distribution and signatures of LiDAR DTM errors. Earth Surface Processes and Landforms, 2013, 38, 1116-1134.	1.2	61
132	Hydraulic validation of two-dimensional simulations of braided river flow with spatially continuous aDcp data. Water Resources Research, 2013, 49, 5183-5205.	1.7	83
133	Geomorphic and sediment volume responses of a coastal dune complex following invasive vegetation removal. Earth Surface Processes and Landforms, 2013, 38, 1148-1159.	1.2	12
134	Channel–floodplain connectivity during an extreme flood event: implications for sediment erosion, deposition, and delivery. Earth Surface Processes and Landforms, 2013, 38, 1444-1456.	1.2	55
135	Evaluation of short-term geomorphic changes in differently impacted gravel-bed rivers using improved dems of difference. Journal of Agricultural Engineering, 2013, 44, .	0.7	1
136	Annual bank and point bar morphodynamics of a meandering river determined by highâ€accuracy multitemporal laser scanning and flow data. Water Resources Research, 2014, 50, 5532-5559.	1.7	72
137	EVALUATING SHALLOWâ€WATER BATHYMETRY FROM THROUGHâ€WATER TERRESTRIAL LASER SCANNING UND A RANGE OF HYDRAULIC AND PHYSICAL WATER QUALITY CONDITIONS. River Research and Applications, 2014, 30, 905-924.	DER 0.7	35
138	River Surface Water Topography Mapping at Sub-Millimeter Resolution and Precision With Close Range Photogrammetry: Laboratory Scale Application. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 602-608.	2.3	11

	CITATION	Report	
#	Article	IF	Citations
139	Network concepts to describe channel importance and change in multichannel systems: test results for the Jamuna River, Bangladesh. Earth Surface Processes and Landforms, 2014, 39, 766-778.	1.2	57
140	Hyperscale terrain modelling of braided rivers: fusing mobile terrestrial laser scanning and optical bathymetric mapping. Earth Surface Processes and Landforms, 2014, 39, 167-183.	1.2	139
141	Characterizing geomorphological change to support sustainable river restoration and management. Wiley Interdisciplinary Reviews: Water, 2014, 1, 483-512.	2.8	111
142	Digital elevation models derived from airborne laser scanning point clouds: appropriate spatial resolutions for multiâ€ŧemporal characterization and quantification of geomorphological processes. Earth Surface Processes and Landforms, 2014, 39, 272-284.	1.2	27
143	HIGH-FLOW GRAVEL INJECTION FOR CONSTRUCTING DESIGNED IN-CHANNEL FEATURES. River Research and Applications, 2014, 30, 685-706.	0.7	37
144	A virtual reference plane for extending the Moiré method to large experimental devices. Journal of Hydro-Environment Research, 2014, 8, 174-184.	1.0	1
145	Morphological organization of a steep, tropical headwater stream: The aspect of channel bifurcation. Geomorphology, 2014, 214, 245-260.	1.1	8
146	Wavelet-based regularization of the extracted topographic index from high-resolution topography for hydro-geomorphic applications. Hydrological Processes, 2014, 28, 1345-1357.	1.1	13
147	Characterizing the primary material sources and dominant erosional processes for post-fire debris-flow initiation in a headwater basin using multi-temporal terrestrial laser scanning data. Geomorphology, 2014, 214, 324-338.	1.1	81
148	A methodological intercomparison of topographic survey techniques for characterizing wadeable streams and rivers. Geomorphology, 2014, 206, 343-361.	1.1	79
149	A semi-automated approach for mapping geomorphology of El Bardawil Lake, Northern Sinai, Egypt, using integrated remote sensing and GIS techniques. Egyptian Journal of Remote Sensing and Space Science, 2014, 17, 41-60.	1.1	16
150	The negative relief of large river floodplains. Earth-Science Reviews, 2014, 129, 1-23.	4.0	125
151	Investigating the Effects of Hydrographic Survey Uncertainty on Dredge Quantity Estimation. Marine Geodesy, 2014, 37, 389-403.	0.9	5
152	Dem quality assessment with a 3d printed gravel bed applied to stereo photogrammetry. Photogrammetric Record, 2014, 29, 241-264.	0.4	12
153	Short-term geomorphic analysis in a disturbed fluvial environment by fusion of LiDAR, colour bathymetry and dGPS surveys. Catena, 2014, 122, 180-195.	2.2	14
154	Monitoring sediment source areas in a debris-flow catchment using terrestrial laser scanning. Catena, 2014, 123, 23-36.	2.2	57
155	Kinematic behaviour of a large earthflow defined by surface displacement monitoring, DEM differencing, and ERT imaging. Geomorphology, 2014, 224, 86-101.	1.1	25
156	Mapping the annual evolution of snow depth in a small catchment in the Pyrenees using the long-range terrestrial laser scanning. Journal of Maps, 2014, 10, 379-393.	1.0	34

#	Article	IF	CITATIONS
157	Simulation of braided river elevation model time series with multiple-point statistics. Geomorphology, 2014, 214, 148-156.	1.1	31
158	Step by step error assessment in braided river sediment budget using airborne LiDAR data. Geomorphology, 2014, 214, 307-323.	1.1	50
159	Morphological diversity and complex sediment recirculation on the ebb delta of a macrotidal inlet (Normandy, France): A multiple LiDAR dataset approach. Geomorphology, 2014, 219, 114-125.	1.1	21
160	Crew variability in topographic surveys for monitoring wadeable streams: a case study from the Columbia River Basin. Earth Surface Processes and Landforms, 2014, 39, 2070-2086.	1.2	15
161	Using repeat lidar to estimate sediment transport in a steep stream. Journal of Geophysical Research F: Earth Surface, 2014, 119, 621-643.	1.0	37
162	Accounting for uncertainty in volumes of seabed change measured with repeat multibeam sonar surveys. Continental Shelf Research, 2015, 111, 52-68.	0.9	38
163	Linking the spatial distribution of bed load transport to morphological change during highâ€flow events in a shallow braided river. Journal of Geophysical Research F: Earth Surface, 2015, 120, 604-622.	1.0	98
164	Investigating decadalâ€scale geomorphic dynamics in an alpine mountain setting. Journal of Geophysical Research F: Earth Surface, 2015, 120, 2155-2175.	1.0	64
165	Quantifying Uncertainty of Measuring Gully Morphological Evolution with Close-Range Digital Photogrammetry. Soil Science Society of America Journal, 2015, 79, 650-659.	1.2	10
166	Reprint of: Large-scale dam removal on the Elwha River, Washington, USA: River channel and floodplain geomorphic change. Geomorphology, 2015, 246, 687-708.	1.1	28
167	A multiâ€dimensional analysis of proâ€glacial landscape change at Sólheimajökull, southern Iceland. Earth Surface Processes and Landforms, 2015, 40, 809-822.	1.2	49
168	Multiâ€ŧemporal UAV data for automatic measurement of rill and interrill erosion on loess soil. Earth Surface Processes and Landforms, 2015, 40, 741-755.	1.2	179
169	Geomorphological impact and morphodynamic effects on flow conveyance of the 1999 jökulhlaup at sólheimajökull, Iceland. Earth Surface Processes and Landforms, 2015, 40, 1401-1416.	1.2	25
170	A pseudo genetic model of coarse braidedâ€river deposits. Water Resources Research, 2015, 51, 9595-9611.	1.7	13
171	Use of terrestrial photogrammetry based on structureâ€fromâ€motion for mass balance estimation of a small glacier in the Italian alps. Earth Surface Processes and Landforms, 2015, 40, 1791-1802.	1.2	69
172	Application of archival aerial photogrammetry to quantify climate forcing of alpine landscapes. Photogrammetric Record, 2015, 30, 143-165.	0.4	42
173	UASâ€based remote sensing of fluvial change following an extreme flood event. Earth Surface Processes and Landforms, 2015, 40, 1464-1476.	1.2	119
174	Bank erosion in agricultural drainage networks: new challenges from structureâ€fromâ€motion photogrammetry for postâ€event analysis. Earth Surface Processes and Landforms, 2015, 40, 1891-1906.	1.2	81

			0
#	ARTICLE	IF	CITATIONS
175	simulations and geomorphological indicators Zeitschrift FÃ1/4r Geomorphologie, 2015, 59, 33-57.	0.3	9
176	Terrestrial Laser Scanning Reveals Seagrass Microhabitat Structure on a Tideflat. Remote Sensing, 2015, 7, 3037-3055.	1.8	10
177	Multi-temporal LiDAR-DTMs as a tool for modelling a complex landslide: a case study in the Rotolon catchment (eastern Italian Alps). Natural Hazards and Earth System Sciences, 2015, 15, 715-722.	1.5	34
178	Analyzing high resolution topography for advancing the understanding of mass and energy transfer through landscapes: A review. Earth-Science Reviews, 2015, 148, 174-193.	4.0	251
179	Assessment Approach for Identifying Compatibility of Restoration Projects with Geomorphic and Flooding Processes in Gravel Bed Rivers. Environmental Management, 2015, 56, 549-568.	1.2	3
180	Sub-bend scale flow–sediment interaction of meander bends — A combined approach of field observations, close-range remote sensing and computational modelling. Geomorphology, 2015, 238, 119-134.	1.1	46
181	Measuring floodplain spatial patterns using continuous surface metrics at multiple scales. Geomorphology, 2015, 245, 87-101.	1.1	27
182	Lidar measurement of surface melt for a temperate Alpine glacier at the seasonal and hourly scales. Journal of Claciology, 2015, 61, 963-974.	1.1	47
183	The relationship between particle travel distance and channel morphology: Results from physical models of braided rivers. Journal of Geophysical Research F: Earth Surface, 2015, 120, 55-74.	1.0	101
184	Monitoring channel responses to flood events of low to moderate magnitudes in a bedrock-dominated river using morphological budgeting by terrestrial laser scanning. Geomorphology, 2015, 235, 1-14.	1.1	17
185	Accuracy constraints of terrestrial Lidar data for soil erosion measurement: Application to a Mediterranean field plot. Geomorphology, 2015, 245, 243-254.	1.1	50
186	Influence of conceptual model uncertainty on contaminant transport forecasting in braided river aquifers. Journal of Hydrology, 2015, 531, 124-141.	2.3	24
187	Real time measurements of sediment transport and bed morphology during channel altering flow and sediment transport events. Geomorphology, 2015, 244, 169-179.	1.1	20
188	Impact of terrain complexity on the accuracy of calculations of river channel storage volume derived from measurements of underwater topography. Arabian Journal of Geosciences, 2015, 8, 9149-9168.	0.6	2
189	Fluvial Processes in Braided Rivers. GeoPlanet: Earth and Planetary Sciences, 2015, , 403-425.	0.2	6
190	Downstream hydraulic geometry relationships: Gathering reference reach-scale width values from LiDAR. Geomorphology, 2015, 250, 236-248.	1.1	20
191	Landscape-scale geomorphic change detection: Quantifying spatially variable uncertainty and circumventing legacy data issues. Geomorphology, 2015, 250, 334-348.	1.1	47
192	Large-scale dam removal on the Elwha River, Washington, USA: River channel and floodplain geomorphic change. Geomorphology, 2015, 228, 765-786.	1.1	163

#	Article	IF	CITATIONS
193	Application of stepâ€backwater modelling for salmonid spawning habitat restoration in Western Norway. Ecohydrology, 2015, 8, 1239-1261.	1.1	9
194	Remote sensing and GIS analysis for mapping spatio-temporal changes of erosion and deposition of two Mediterranean river deltas: The case of the Axios and Aliakmonas rivers, Greece. International Journal of Applied Earth Observation and Geoinformation, 2015, 35, 217-228.	1.4	53
195	Feasibility of High-Resolution Soil Erosion Measurements by Means of Rainfall Simulations and SfM Photogrammetry. Hydrology, 2016, 3, 38.	1.3	35
196	Quantification and analysis of geomorphic processes on a recultivated iron ore mine on the Italian island of Elba using long-term ground-based lidar and photogrammetric SfM data by a UAV. Natural Hazards and Earth System Sciences, 2016, 16, 1269-1288.	1.5	26
197	Headwater sediment dynamics in a debris flow catchment constrained by high-resolution topographic surveys. Earth Surface Dynamics, 2016, 4, 489-513.	1.0	22
198	Application of terrestrial laser scanning for detection of ground surface deformation in small mud volcano (Murono, Japan). Earth, Planets and Space, 2016, 68, .	0.9	7
199	Multiâ€ŧemporal Digital Photogrammetric Analysis for Quantitative Assessment of Soil Erosion Rates in the Landola Catchment of the Upper Orcia Valley (Tuscany, Italy). Land Degradation and Development, 2016, 27, 1075-1092.	1.8	43
200	Evaluation of erosion and surface roughness in peatland forest ditches using pin meter measurements and terrestrial laser scanning. Earth Surface Processes and Landforms, 2016, 41, 1299-1311.	1.2	12
201	Water yield and sediment export in small, partially glaciated Alpine watersheds in a warming climate. Water Resources Research, 2016, 52, 4924-4943.	1.7	68
202	Field application of closeâ€range digital photogrammetry (CRDP) for grainâ€scale fluvial morphology studies. Earth Surface Processes and Landforms, 2016, 41, 1358-1369.	1.2	33
203	Illuminating wildfire erosion and deposition patterns with repeat terrestrial lidar. Journal of Geophysical Research F: Earth Surface, 2016, 121, 588-608.	1.0	41
204	Assessment of a numerical model to reproduce eventâ€scale erosion and deposition distributions in a braided river. Water Resources Research, 2016, 52, 6621-6642.	1.7	88
205	Applications of Terrestrial Laser Scanning in Geomorphology. Journal of Geography (Chigaku Zasshi), 2016, 125, 299-324.	0.1	11
206	Decadal evolution of a very small heavily debris-covered glacier in an Alpine permafrost environment. Journal of Glaciology, 2016, 62, 535-551.	1.1	29
207	Using terrestrial LiDAR data to analyse morphodynamics on steep unvegetated slopes driven by different geomorphic processes. Catena, 2016, 142, 269-280.	2.2	20
208	Response of a temperate alpine valley glacier to climate change at the decadal scale. Geografiska Annaler, Series A: Physical Geography, 2016, 98, 81-95.	0.6	14
209	Surges of outlet glaciers from the Drangajökull ice cap, northwest Iceland. Earth and Planetary Science Letters, 2016, 450, 140-151.	1.8	6
211	Ultrahighâ€resolution mapping of peatland microform using groundâ€based structure from motion with multiview stereo. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2901-2916.	1.3	21

#	Article	IF	CITATIONS
212	Error modeling of DEMs from topographic surveys of rivers using fuzzy inference systems. Water Resources Research, 2016, 52, 1176-1193.	1.7	34
213	Erosion processes in calanchi in the Upper Orcia Valley, Southern Tuscany, Italy based on multitemporal high-resolution terrestrial LiDAR and UAV surveys. Geomorphology, 2016, 269, 8-22.	1.1	104
214	Gully catchments as a sediment sink, not just a source: Results from a longâ€ŧerm (~12 500 year) sediment budget. Earth Surface Processes and Landforms, 2016, 41, 486-498.	1.2	11
215	Flow recession as a driver of the morphoâ€ŧexture of braided streams. Earth Surface Processes and Landforms, 2016, 41, 754-770.	1.2	9
216	Evolution of overland flow connectivity in bare agricultural plots. Earth Surface Processes and Landforms, 2016, 41, 1595-1613.	1.2	26
217	Mapping spatial patterns of stream power and channel change along a gravel-bed river in northern Yellowstone. Geomorphology, 2016, 252, 66-79.	1.1	36
218	Spatially Explicit Rangeland Erosion Monitoring Using High-Resolution Digital Aerial Imagery. Rangeland Ecology and Management, 2016, 69, 95-107.	1.1	22
219	A channel evolution model for subtropical macrochannel systems. Catena, 2016, 139, 199-213.	2.2	24
220	Riverscape mapping with helicopter-based Structure-from-Motion photogrammetry. Geomorphology, 2016, 252, 144-157.	1.1	137
221	Assessment of erosion and deposition in steep mountain basins by differencing sequential digital terrain models. Geomorphology, 2017, 291, 4-16.	1.1	87
222	Feeding the hungry river: Fluvial morphodynamics and the entrainment of artificially inserted sediment at the dammed river Isar, Eastern Alps, Germany. Geomorphology, 2017, 291, 128-142.	1.1	28
223	Capturing the spatiotemporal variability of bedload transport: A timeâ€lapse imagery technique. Earth Surface Processes and Landforms, 2017, 42, 1140-1147.	1.2	8
224	Short-term geomorphological evolution of proglacial systems. Geomorphology, 2017, 287, 3-28.	1.1	89
225	Quantifying geomorphic change at ephemeral stream restoration sites using a coupled-model approach. Geomorphology, 2017, 283, 1-16.	1.1	25
226	Coupled geomorphic and habitat response to a flood pulse revealed by remote sensing. Ecohydrology, 2017, 10, e1845.	1.1	11
227	3â€D uncertaintyâ€based topographic change detection with structureâ€fromâ€motion photogrammetry: precision maps for ground control and directly georeferenced surveys. Earth Surface Processes and Landforms, 2017, 42, 1769-1788.	1.2	322
228	Estimation of small-scale soil erosion in laboratory experiments with Structure from Motion photogrammetry. Geomorphology, 2017, 295, 285-296.	1.1	45
230	Effects of lateral confinement in natural and leveed reaches of a gravelâ€bed river: Snake River, Wyoming, USA. Earth Surface Processes and Landforms, 2017, 42, 2119-2138.	1.2	11

#	Article	IF	CITATIONS
231	Geomorphological activity at a rock glacier front detected with a 3D density-based clustering algorithm. Geomorphology, 2017, 278, 287-297.	1.1	22
232	Time lapse structureâ€fromâ€motion photogrammetry for continuous geomorphic monitoring. Earth Surface Processes and Landforms, 2017, 42, 2240-2253.	1.2	68
233	Using structureâ€fromâ€motion to create glacier DEMs and orthoimagery from historical terrestrial and oblique aerial imagery. Earth Surface Processes and Landforms, 2017, 42, 2350-2364.	1.2	46
234	Rapid, Quantitative Assessment of Submerged Cultural Resource Degradation Using Repeat Video Surveys and Structure from Motion. Journal of Maritime Archaeology, 2017, 12, 91-107.	0.2	4
235	Valley-scale morphology drives differences in fluvial sediment budgets and incision rates during contrasting flow regimes. Geomorphology, 2017, 288, 39-51.	1.1	20
236	Stream power framework for predicting geomorphic change: The 2013 Colorado Front Range flood. Geomorphology, 2017, 292, 178-192.	1.1	69
237	Geomorphic process from topographic form: automating the interpretation of repeat survey data in river valleys. Earth Surface Processes and Landforms, 2017, 42, 1872-1883.	1.2	13
238	Testing the utility of structureâ€fromâ€motion photogrammetry reconstructions using small unmanned aerial vehicles and ground photography to estimate the extent of upland soil erosion. Earth Surface Processes and Landforms, 2017, 42, 1860-1871.	1.2	73
239	Seismic and inter-seismic ground surface deformations of the Murono mud volcano (central Japan): a laser scanning approach. Progress in Earth and Planetary Science, 2017, 4, .	1.1	3
240	Mapping of coastal landforms and volumetric change analysis in the south west coast of Kanyakumari, South India using remote sensing and GIS techniques. Egyptian Journal of Remote Sensing and Space Science, 2017, 20, 265-282.	1.1	38
241	Prospects for crowdsourced information on the geomorphic â€~engineering' by the invasive Coypu (<scp><i>Myocastor coypus</i></scp>). Earth Surface Processes and Landforms, 2017, 42, 365-377.	1.2	24
242	An investigation of controlling variables of riverbank erosion in sub-tropical Australia. Environmental Modelling and Software, 2017, 97, 1-15.	1.9	10
243	The effect of grid size on the quantification of erosion, deposition, and rill network. International Soil and Water Conservation Research, 2017, 5, 241-251.	3.0	29
244	Extraction of Multithread Channel Networks With a Reducedâ€Complexity Flow Model. Journal of Geophysical Research F: Earth Surface, 2017, 122, 1972-1990.	1.0	22
245	Advances in understanding riverâ€groundwater interactions. Reviews of Geophysics, 2017, 55, 818-854.	9.0	158
246	Application of Structureâ€fromâ€Motion photogrammetry to river restoration. Earth Surface Processes and Landforms, 2017, 42, 503-515.	1.2	100
247	Archival photogrammetric analysis of river–floodplain systems using Structure from Motion (SfM) methods. Earth Surface Processes and Landforms, 2017, 42, 1274-1286.	1.2	81
248	Camera system considerations for geomorphic applications of SfM photogrammetry. Earth Surface Processes and Landforms, 2017, 42, 969-986.	1.2	85

#	Article	IF	CITATIONS
249	Longâ€range terrestrial laser scanning for geomorphological change detection in alpine terrain – handling uncertainties. Earth Surface Processes and Landforms, 2017, 42, 789-802.	1.2	51
250	Rainfall simulation and Structure-from-Motion photogrammetry for the analysis of soil water erosion in Mediterranean vineyards. Science of the Total Environment, 2017, 574, 204-215.	3.9	96
251	Fluvial archives, a valuable record of vertical crustal deformation. Quaternary Science Reviews, 2017, 166, 10-37.	1.4	62
252	Simulating and quantifying legacy topographic data uncertainty: an initial step to advancing topographic change analyses. Progress in Earth and Planetary Science, 2017, 4, .	1.1	3
253	Structure from motion (SfM) processing of UAV images and combination with terrestrial laser scanning, applied for a 3D-documentation in a hazardous situation. Geomatics, Natural Hazards and Risk, 2017, 8, 1492-1504.	2.0	32
255	Fine-Resolution Repeat Topographic Surveying of Dryland Landscapes Using UAS-Based Structure-from-Motion Photogrammetry: Assessing Accuracy and Precision against Traditional Ground-Based Erosion Measurements. Remote Sensing, 2017, 9, 437.	1.8	22
256	Analysis of geomorphic changes and quantification of sediment budgets of a small Arctic valley with the application of repeat TLS surveys. Zeitschrift Für Geomorphologie, 2017, 61, 105-120.	0.3	12
257	Uncertainty modelling and analysis of volume calculations based on a regular grid digital elevation model (DEM). Computers and Geosciences, 2018, 114, 117-129.	2.0	7
258	Spectrally based bathymetric mapping of a dynamic, sandâ€bedded channel: Niobrara River, Nebraska, USA. River Research and Applications, 2018, 34, 430-441.	0.7	8
259	The response of source-bordering aeolian dunefields to sediment-supply changes 1: Effects of wind variability and river-valley morphodynamics. Aeolian Research, 2018, 32, 228-245.	1.1	23
260	Highâ€resolution mapping of Manawatu palaeochannels. New Zealand Geographer, 2018, 74, 77-91.	0.4	8
262	Morphological evolution of the Maipo River in central Chile: Influence of instream gravelÂmining. Geomorphology, 2018, 306, 182-197.	1.1	47
263	Combined Flow Abstraction and Climate Change Impacts on an Aggrading Alpine River. Water Resources Research, 2018, 54, 223-242.	1.7	20
264	Multiâ€scale relief model (MSRM): a new algorithm for the visualization of subtle topographic change of variable size in digital elevation models. Earth Surface Processes and Landforms, 2018, 43, 1361-1369.	1.2	32
265	Computing spatially distributed sediment delivery ratios: inferring functional sediment connectivity from repeat highâ€resolution digital elevation models. Earth Surface Processes and Landforms, 2018, 43, 1547-1554.	1.2	75
266	Morphodynamic effects of riparian vegetation growth after stream restoration. Earth Surface Processes and Landforms, 2018, 43, 1591-1607.	1.2	26
267	High-resolution monitoring of beach topography and its change using unmanned aerial vehicle imagery. Ocean and Coastal Management, 2018, 160, 103-116.	2.0	38
268	Evaluation of a numerical model's ability to predict bed load transport observed in braided river experiments. Advances in Water Resources, 2018, 115, 207-218.	1.7	21

#	Article	IF	CITATIONS
269	Mapping and quantifying sediment transfer between the front of rapidly moving rock glaciers and torrential gullies. Geomorphology, 2018, 309, 60-76.	1.1	33
270	Geomorphic impact and assessment of flexible barriers using multi-temporal LiDAR data: The Portainé mountain catchment (Pyrenees). Engineering Geology, 2018, 237, 168-180.	2.9	22
271	Open-pit mine geomorphic changes analysis using multi-temporal UAV survey. Environmental Earth Sciences, 2018, 77, 1.	1.3	61
272	Response of Terraced Slopes to a Very Intense Rainfall Event and Relationships with Land Abandonment: A Case Study from Cinque Terre (Italy). Land Degradation and Development, 2018, 29, 630-642.	1.8	78
273	Quantifying smallâ€magnitude soil erosion: Geomorphic change detection at plot scale. Land Degradation and Development, 2018, 29, 825-834.	1.8	17
274	Volunteered Geographic Videos in Physical Geography: Data Mining from YouTube. Annals of the American Association of Geographers, 2018, 108, 52-70.	1.5	16
275	Remote Sensing as a Tool for Analysing Channel Dynamics and Geomorphic Effects of Floods. Springer Remote Sensing/photogrammetry, 2018, , 27-59.	0.4	4
276	Soil micro-topography change detection at hillslopes in fragile Mediterranean landscapes. Geoderma, 2018, 313, 217-232.	2.3	48
277	Spatial and temporal variations of aeolian sediment input to the tributaries (the Ten Kongduis) of the upper Yellow River. Aeolian Research, 2018, 30, 1-10.	1.1	10
278	Assessment of Longâ€Term Soil Erosion in a Mountain Vineyard, Aosta Valley (NW Italy). Land Degradation and Development, 2018, 29, 617-629.	1.8	32
279	A comparison of structure from motion photogrammetry and the traversing micro-erosion meter for measuring erosion on shore platforms. Earth Surface Dynamics, 2018, 6, 1023-1039.	1.0	22
280	On the Link Between External Forcings and Slope Instabilities in the Piton de la Fournaise Summit Crater, Reunion Island. Journal of Geophysical Research F: Earth Surface, 2018, 123, 2422-2442.	1.0	23
281	Evolutionary Computation for Static Traffic Light Cycle Optimisation. , 2018, , .		3
282	Morphodynamics of bedrock-influenced dryland rivers during extreme floods: Insights from the Kruger National Park, South Africa. Bulletin of the Geological Society of America, 2018, 130, 1825-1841.	1.6	22
283	Tillageâ€induced surface roughness and topographic conditions for rill initiation in Angereb watershed, Ethiopia. Hydrological Processes, 2018, 32, 3758-3770.	1.1	1
284	Joining multi-epoch archival aerial images in a single SfM block allows 3-D change detection with almost exclusively image information. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 146, 495-506.	4.9	44
285	A Geo-processing Modeling of Deltaic Suspended Sediment Variability. Journal of Geovisualization and Spatial Analysis, 2018, 2, 1.	2.1	4
287	Measuring decadal vertical land-level changes from SRTM-CÂ(2000) and TanDEM-X ( â^¼â€‰2015) in the south-central Andes. Earth Surface Dynamics, 2018, 6, 971-987.	1.0	12

#	Article	IF	Citations
288	Combining Structure from Motion and close-range stereo photogrammetry to obtain scaled gravel bar DEMs. International Journal of Remote Sensing, 2018, 39, 9269-9293.	1.3	10
289	Response of the Downstream Braided Channel to Zhikong Reservoir on Lhasa River. Water (Switzerland), 2018, 10, 1144.	1.2	15
290	Monitoring topographic changes through 4D-structure-from-motion photogrammetry: application to a debris-flow channel. Environmental Earth Sciences, 2018, 77, 1.	1.3	64
291	Ten conceptual models of large-scale legacy sedimentation – A review. Geomorphology, 2018, 317, 199-217.	1.1	45
292	Addressing uncertainties in interpreting soil surface changes by multitemporal highâ€resolution topography data across scales. Land Degradation and Development, 2018, 29, 2264-2277.	1.8	25
293	River response to largeâ€dam removal in a Mediterranean hydroclimatic setting: Carmel River, California, USA. Earth Surface Processes and Landforms, 2018, 43, 3009-3021.	1.2	18
294	Considerations for Achieving Cross-Platform Point Cloud Data Fusion across Different Dryland Ecosystem Structural States. Frontiers in Plant Science, 2017, 8, 2144.	1.7	22
295	Let's get connected: A new graph theoryâ€based approach and toolbox for understanding braided river morphodynamics. Wiley Interdisciplinary Reviews: Water, 2018, 5, e1296.	2.8	19
296	Model Selection for Parametric Surfaces Approximating 3D Point Clouds for Deformation Analysis. Remote Sensing, 2018, 10, 634.	1.8	20
297	Recent evolution of an iceâ€cored moraine at the <scp>G</scp> entianes <scp>P</scp> ass, <scp>V</scp> alais <scp>A</scp> lps, <scp>S</scp> witzerland. Land Degradation and Development, 2018, 29, 3693-3708.	1.8	18
298	Morpho-textural implications to bedload flux and texture in the sand-gravel ephemeral Poveda Gully. Geomorphology, 2018, 322, 53-65.	1.1	7
299	Impacts of gravel mining and renaturation measures on the sediment flux and budget in an alpine catchment (Johnsbach Valley, Austria). Geomorphology, 2018, 318, 404-420.	1.1	16
300	Debrisâ€flow release processes investigated through the analysis of multiâ€ŧemporal LiDAR datasets in northâ€western Iceland. Earth Surface Processes and Landforms, 2019, 44, 144-159.	1.2	17
301	How many measurements are required to construct an accurate sand budget in a large river? Insights from analyses of signal and noise. Earth Surface Processes and Landforms, 2019, 44, 160-178.	1.2	15
302	The sediment budget and dynamics of a deltaâ€canyonâ€lobe system over the Anthropocene timescale: The Rhone River delta, Lake Geneva (Switzerland/France). Sedimentology, 2019, 66, 838-858.	1.6	19
303	Airborne lidar change detection: An overview of Earth sciences applications. Earth-Science Reviews, 2019, 198, 102929.	4.0	77
304	Multi-temporal analysis of the role of check dams in a debris-flow channel: Linking structural and functional connectivity. Geomorphology, 2019, 345, 106844.	1.1	44
305	Comparable short-term morphodynamics of three estuarine–coastal systems in the southwest coastal region of England, UK. Regional Studies in Marine Science, 2019, 31, 100749.	0.4	1

#	Article	IF	CITATIONS
306	Model-based approach for design and performance evaluation of works controlling stony debris flows with an application to a case study at Rovina di Cancia (Venetian Dolomites, Northeast Italy). Science of the Total Environment, 2019, 688, 1373-1388.	3.9	35
307	Multi-annual embayment sediment dynamics involving headland bypassing and sediment exchange across the depth of closure. Geomorphology, 2019, 343, 48-64.	1.1	29
308	Ensemble Neural Networks for Modeling DEM Error. ISPRS International Journal of Geo-Information, 2019, 8, 444.	1.4	3
309	Digital Image Processing and Analysis. , 2019, , 191-221.		5
311	Interacting geomorphic and ecological response of step-pool streams after wildfire. Bulletin of the Geological Society of America, 2019, 131, 1480-1500.	1.6	12
312	Application for Terrestrial LiDAR on Mudstone Erosion Caused by Typhoons. Remote Sensing, 2019, 11, 2425.	1.8	5
313	Quantifying Uncertainties in Snow Depth Mapping From Structure From Motion Photogrammetry in an Alpine Area. Water Resources Research, 2019, 55, 7772-7783.	1.7	22
314	Estimating soil degradation in montane grasslands of North-eastern Italian Alps (Italy). Heliyon, 2019, 5, e01825.	1.4	16
315	A framework for using small Unmanned Aircraft Systems (sUASs) and SfM photogrammetry to detect salmonid redds. Ecological Informatics, 2019, 53, 100976.	2.3	13
316	Downstream geomorphic impact of the Three Gorges Dam: With special reference to the channel bars in the Middle Yangtze River. Earth Surface Processes and Landforms, 2019, 44, 2660-2670.	1.2	48
317	Deformations and Morphology Changes Associated with the 2016–2017 Eruption Sequence at Bezymianny Volcano, Kamchatka. Remote Sensing, 2019, 11, 1278.	1.8	20
318	Modelling braided river morphodynamics using a particle travel length framework. Earth Surface Dynamics, 2019, 7, 247-274.	1.0	9
319	Morphological Response of an Alpine Braided Reach to Sediment‣aden Flow Events. Journal of Geophysical Research F: Earth Surface, 2019, 124, 1310-1328.	1.0	27
320	Revisiting the morphological method in twoâ€dimensions to quantify bedâ€material transport in braided rivers. Earth Surface Processes and Landforms, 2019, 44, 2251-2267.	1.2	23
321	From features to fingerprints: A general diagnostic framework for anthropogenic geomorphology. Progress in Physical Geography, 2019, 43, 95-128.	1.4	74
322	A Workflow to Estimate Topographic and Volumetric Changes and Errors in Channel Sedimentation after Disturbance. Remote Sensing, 2019, 11, 586.	1.8	25
323	Quantifying Below-Water Fluvial Geomorphic Change: The Implications of Refraction Correction, Water Surface Elevations, and Spatially Variable Error. Remote Sensing, 2019, 11, 2415.	1.8	19
324	LiDAR and UAV System Data to Analyse Recent Morphological Changes of a Small Drainage Basin. ISPRS International Journal of Geo-Information, 2019, 8, 536.	1.4	16

#	Article	IF	CITATIONS
325	A GIS-Based Tool for Automatic Bankfull Detection from Airborne High Resolution Dem. ISPRS International Journal of Geo-Information, 2019, 8, 480.	1.4	3
326	Improving distribution models of riparian vegetation with mobile laser scanning and hydraulic modelling. PLoS ONE, 2019, 14, e0225936.	1.1	2
327	Automated coâ€registration and calibration in SfM photogrammetry for landslide change detection. Earth Surface Processes and Landforms, 2019, 44, 287-303.	1.2	32
328	Forecasting river sediment deposition through satellite image driven unsupervised machine learning techniques. Remote Sensing Applications: Society and Environment, 2019, 13, 435-444.	0.8	6
329	Geomorphic effectiveness of check dams in a debris-flow catchment using multi-temporal topographic surveys. Catena, 2019, 174, 73-83.	2.2	66
330	Coastal embayment rotation: Response to extreme events and climate control, using full embayment surveys. Geomorphology, 2019, 327, 385-403.	1.1	47
331	Deciphering controls for debrisâ€flow erosion derived from a LiDARâ€recorded extreme event and a calibrated numerical model (Roßbichelbach, Germany). Earth Surface Processes and Landforms, 2019, 44, 1346-1361.	1.2	29
332	Rates of planimetric change in a proglacial gravelâ€bed braided river: Field measurement and physical modelling. Earth Surface Processes and Landforms, 2019, 44, 752-765.	1.2	12
333	Subglacial sediment production and snout marginal ice uplift during the late ablation season of a temperate valley glacier. Earth Surface Processes and Landforms, 2019, 44, 1117-1136.	1.2	19
334	Distribution of landslides caused by heavy rainfall events and an earthquake in northern Aso Volcano, Japan from 1955 to 2016. Geomorphology, 2019, 327, 533-541.	1.1	25
335	Uncertainty in quantitative analyses of topographic change: error propagation and the role of thresholding. Earth Surface Processes and Landforms, 2019, 44, 1015-1033.	1.2	64
336	Quantification of bedform dynamics and bedload sediment flux in sandy braided rivers from airborne and satellite imagery. Earth Surface Processes and Landforms, 2019, 44, 953-972.	1.2	24
337	Slope Wash, Gully Erosion and Debris Flows on Lateral Moraines in the Upper Kaunertal, Austria. Geography of the Physical Environment, 2019, , 177-196.	0.2	6
338	A Sediment Budget of the Upper Kaunertal. Geography of the Physical Environment, 2019, , 289-312.	0.2	6
339	Periglacial Morphodynamics in the Upper Kaunertal. Geography of the Physical Environment, 2019, , 99-116.	0.2	2
340	Channel response to sediment replenishment in a large gravelâ€bed river: The case of the <scp>Saint auveur</scp> dam in the <scp>Buëch River</scp> (<scp>Southern Alps</scp> ,) Tj ETQq1 1 0.78	4 31.4 rgB ⁻	「∥Ø⊽erlock 1
341	Spatial and Temporal Variations of Erosion and Accretion: A Case of a Large Tropical River. Earth Systems and Environment, 2020, 4, 167-181.	3.0	28
342	Remotely sensed rivers in the Anthropocene: state of the art and prospects. Earth Surface Processes and Landforms, 2020, 45, 157-188.	1.2	128

ARTICLE IF CITATIONS # The use of small-Unmanned Aerial Systems for high resolution analysis for intertidal wetland 343 9 1.6 restoration schemes. Ecological Engineering, 2020, 143, 105695. Changes in sediment connectivity following glacial debuttressing in an Alpine valley system. 344 1.1 Geomorphology, 2020, 352, 106987. Large wood (LW) 3D accumulation mapping and assessment using structure from Motion 345 2.318 photogrammetry in the laboratory. Journal of Hydrology, 2020, 581, 124430. Combining multi-physical measurements to quantify bedload transport and morphodynamics 346 1.1 interactions in an Alpine braiding river reach. Geomorphology, 2020, 351, 106877. The Evolution of Sediment Sources Over a Sequence of Postfire Sedimentâ Eladen Flows Revealed 347 Through Repeat Highâ€Resolution Change Detection. Journal of Geophysical Research F: Earth Surface, 19 1.0 2020, 125, e2020JF005527. Geomorphological mapping and anthropogenic landform change in an urbanizing watershed using structure-from-motion photogrammetry and geospatial modeling techniques. Journal of Maps, 2021, 1.0 17, 241-252. Long-Term Changes of Morphodynamics on Little Ice Age Lateral Moraines and the Resulting Sediment 349 Transfer into Mountain Streams in the Upper Kauner Valley, Austria. Water (Switzerland), 2020, 12, 1.2 9 3375. UAV and LiDAR Data in the Service of Bank Gully Erosion Measurement in Rambla de Algeciras 1.2 Lakeshore. Water (Switzerland), 2020, 12, 2748. Estimating River Sediment Discharge in the Upper Mississippi River Using Landsat Imagery. Remote 351 1.8 5 Sensing, 2020, 12, 2370. Geomorphological response to systemâ€scale river rehabilitation I: Sediment supply from a reconnected tributary. River Research and Applications, 2020, 36, 1488-1503. The rebirth and evolution of Bezymianny volcano, Kamchatka after the 1956 sector collapse. 353 17 2.6 Communications Earth & Environment, 2020, 1, . Runoffâ€generated debris flows: Observation of initiation conditions and erosion–deposition dynamics along the channel at Cancia (eastern Italian Alps). Earth Surface Processes and Landforms, 2020, 45, 1.2 354 3556-3571 Bathymetric Detection of Fluvial Environments through UASs and Machine Learning Systems. Remote 355 1.8 10 Sensing, 2020, 12, 4148. Combining UAV-Based SfM-MVS Photogrammetry with Conventional Monitoring to Set Environmental Flows: Modifying Dam Flushing Flows to Improve Alpine Stream Habitat. Remote Sensing, 2020, 12, 3868. 1.8 The Use of Unmanned Aerial Vehicles to Determine Differences in Vegetation Cover: A Tool for 357 1.8 13 Monitoring Coastal Wetland Restoration Schemes. Remote Sensing, 2020, 12, 4022. The Dynamics of Drainage Basins and Stream Networks., 2020, , 15-46. Sediment Dynamics at Global and Drainage-Basin Scales., 2020, , 47-71. 360 0 Flow Dynamics in Rivers., 2020, , 72-96.

#	Article	IF	CITATIONS
362	Sediment Transport Dynamics in Rivers. , 2020, , 97-133.		1
363	Magnitude-Frequency Concepts and the Dynamics of Channel-Forming Events. , 2020, , 134-163.		0
364	The Shaping of Channel Geometry. , 2020, , 164-185.		0
365	Channel Planform – Controls on Development and Change. , 2020, , 186-196.		3
366	The Dynamics of Meandering Rivers. , 2020, , 197-233.		0
367	The Dynamics of Braided Rivers. , 2020, , 234-251.		1
368	The Dynamics of Anabranching Rivers. , 2020, , 252-268.		0
369	The Dynamics of River Confluences. , 2020, , 269-293.		5
370	The Vertical Dimension of Rivers: Longitudinal Profiles, Profile Adjustments, and Step-Pool Morphology. , 2020, , 294-318.		2
371	The Dynamics of Floodplains. , 2020, , 319-342.		1
372	Human Impacts on River Dynamics. , 2020, , 343-368.		0
373	River Dynamics and Management. , 2020, , 369-403.		0
380	Measuring and Modeling Gravel Transport at Caspar Creek, CA, to Detect Changes in Sediment Supply, Storage, and Transport Efficiency. Water Resources Research, 2020, 56, e2019WR026389.	1.7	9
381	Multitemporal Analysis of Gully Erosion in Olive Groves by Means of Digital Elevation Models Obtained with Aerial Photogrammetric and LiDAR Data. ISPRS International Journal of Geo-Information, 2020, 9, 260.	1.4	18
382	High-resolution monitoring of diffuse (sheet or interrill) erosion using structure-from-motion. Geoderma, 2020, 375, 114477.	2.3	30
383	Restoring a glacierâ€ f ed river: Past and present morphodynamics of a degraded channel in the Italian Alps. Earth Surface Processes and Landforms, 2020, 45, 2804-2823.	1.2	15
384	Multiplatform-SfM and TLS Data Fusion for Monitoring Agricultural Terraces in Complex Topographic and Landcover Conditions. Remote Sensing, 2020, 12, 1946.	1.8	42
385	Evaluating Elevation Change Thresholds between Structure-from-Motion DEMs Derived from Historical Aerial Photos and 3DEP LiDAR Data. Remote Sensing, 2020, 12, 1625.	1.8	3

#	Article	IF	CITATIONS
386	Intertidal topography mapping using the waterline method from Sentinel-1 & -2 images: The examples of Arcachon and Veys Bays in France. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 163, 98-120.	4.9	31
387	Terrestrial LiDAR monitoring of coastal foredune evolution in managed and unmanaged systems. Earth Surface Processes and Landforms, 2020, 45, 877-892.	1.2	11
388	Geomorphic response of a mountain gravel-bed river to an extreme flood in Aberdeenshire, Scotland. Scottish Journal of Geology, 2020, 56, 101-116.	0.1	5
389	Integrated analysis of sediment source areas in an Alpine basin. Catena, 2020, 188, 104416.	2.2	7
390	Geomorphic process signatures reshaping subâ€humid Mediterranean badlands: 2. Application to 5â€year dataset. Earth Surface Processes and Landforms, 2020, 45, 1292-1310.	1.2	13
391	Geomorphic process signatures reshaping subâ€humid Mediterranean badlands: 1. Methodological development based on highâ€resolution topography. Earth Surface Processes and Landforms, 2020, 45, 1335-1346.	1.2	12
392	Combining geomorphometry, feature extraction techniques and Earth-surface processes research: The way forward. Geomorphology, 2020, 355, 107055.	1.1	64
393	Mapping erosion and deposition in an agricultural landscape: Optimization of UAV image acquisition schemes for SfM-MVS. Remote Sensing of Environment, 2020, 239, 111666.	4.6	96
394	Inferring sediment transfers and functional connectivity of rivers from repeat topographic surveys. Earth Surface Processes and Landforms, 2020, 45, 681-693.	1.2	21
395	Dynamics of Sediments in Reservoir Inflows: A Case Study of the Skalka and Nechranice Reservoirs, Czech Republic. ISPRS International Journal of Geo-Information, 2020, 9, 258.	1.4	12
396	Mitigating systematic error in topographic models for geomorphic change detection: accuracy, precision and considerations beyond offâ€nadir imagery. Earth Surface Processes and Landforms, 2020, 45, 2251-2271.	1.2	67
397	Structure from motion photogrammetric technique. Developments in Earth Surface Processes, 2020, , 1-24.	2.8	61
398	Landslide analysis using laser scanners. Developments in Earth Surface Processes, 2020, 23, 207-230.	2.8	16
399	Terrestrial laser scanner applied to fluvial geomorphology. Developments in Earth Surface Processes, 2020, 23, 231-254.	2.8	7
400	Morphodynamic research challenges for braided river environments: Lessons from the iconic case of New Zealand. Earth Surface Processes and Landforms, 2021, 46, 188-204.	1.2	12
401	Do badlands (always) control sediment yield? Evidence from a small intermittent catchment. Catena, 2021, 198, 105015.	2.2	11
402	Coarse sediment transfer and geomorphic changes in an alpine headwater stream. Geomorphology, 2021, 376, 107569.	1.1	9
403	Remote Data in Fluvial Geomorphology: Characteristics and Applications. , 2021, , .		2

#	Article	IF	CITATIONS
404	Assessing Geomorphic Change in Restored Coastal Dune Ecosystems Using a Multi-Platform Aerial Approach. Remote Sensing, 2021, 13, 354.	1.8	16
405	Sediment Management in River Basins: An Essential Element of the River Basin Management Plans. Springer Water, 2021, , 263-295.	0.2	2
406	Morphometric analysis of the channel heads based on different LiDAR resolutions. Geomorphology, 2021, 375, 107546.	1.1	2
407	Citizen science for monitoring seasonal-scale beach erosion and behaviour with aerial drones. Scientific Reports, 2021, 11, 3935.	1.6	49
408	Tracking the Evolution of Riverbed Morphology on the Basis of UAV Photogrammetry. Remote Sensing, 2021, 13, 829.	1.8	10
409	Formation of undulating topography and gravel beds at the bases of incised valleys: Last Glacial Maximum examples beneath the lowlands facing Tokyo Bay. Progress in Earth and Planetary Science, 2021, 8, .	1.1	7
410	Quantifying the spatial distribution of sediment transport in an experimental gully system using the morphological method. Earth Surface Processes and Landforms, 2021, 46, 1188-1208.	1.2	11
411	SfMâ€MVS Photogrammetry for Splash Erosion Monitoring under Natural Rainfall. Earth Surface Processes and Landforms, 2021, 46, 1067-1082.	1.2	11
412	Increasing Spatio-Temporal Resolution for Monitoring Alpine Solifluction Using Terrestrial Laser Scanners and 3D Vector Fields. Remote Sensing, 2021, 13, 1192.	1.8	13
413	Blue Electroluminescence in SRO-HFCVD Films. Nanomaterials, 2021, 11, 943.	1.9	3
414	Spatiotemporal Patterns of Hillslope Erosion Investigated Based on Field Scouring Experiments and Terrestrial Laser Scanning. Remote Sensing, 2021, 13, 1674.	1.8	9
415	Efficiency and sustainability of gravel augmentation to restore large regulated rivers: Insights from three experiments on the Rhine River (France/Germany). Geomorphology, 2021, 380, 107639.	1.1	16
416	Uncertainty of Drone-Derived DEMs and Significance of Detected Morphodynamics in Artificially Scraped Dunes. Remote Sensing, 2021, 13, 1823.	1.8	9
417	Effects of sediment grain size and channel slope on the stability of river bifurcations. Earth Surface Processes and Landforms, 2021, 46, 2004-2018.	1.2	8
418	Evaluating Short-Term Tidal Flat Evolution Through UAV Surveys: A Case Study in the Po Delta (Italy).	1.0	14
410	Remote Sensing, 2021, 13, 2322.	1.8	11
419	Remote Sensing, 2021, 13, 2322. From consumer to enterprise grade: How the choice of four UAS impacts point cloud quality. Earth Surface Processes and Landforms, 2021, 46, 2019-2043.	1.2	5
419 420	Remote Sensing, 2021, 13, 2322. From consumer to enterprise grade: How the choice of four UAS impacts point cloud quality. Earth Surface Processes and Landforms, 2021, 46, 2019-2043. Morphological Response of Channelized, Sinuous Gravelâ€Bed Rivers to Sediment Replenishment. Water Resources Research, 2021, 57, e2020WR029178.	1.8	5

	CI	CITATION REPORT	
#	Article	IF	Citations
422	Badland landscape response to individual geomorphic events. Nature Communications, 2021, 12, 46	31. 5.8	7
423	Evaluating the geomorphic channel response to beaver dam analog installation using unoccupied aerial vehicles. Earth Surface Processes and Landforms, 2021, 46, 2349-2364.	1.2	5
424	Removing tributary low-head dams can compensate for fish habitat losses in dammed rivers. Journal of Hydrology, 2021, 598, 126204.	2.3	15
425	M3C2-EP: Pushing the limits of 3D topographic point cloud change detection by error propagation. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 178, 240-258.	4.9	31
426	The estimation of bedload in poorly-gauged mountain rivers. Catena, 2021, 204, 105425.	2.2	5
427	Dense 3D displacement vector fields for point cloud-based landslide monitoring. Landslides, 2021, 18 3821-3832.	, 2.7	21
428	Suitability assessment of global, continental and national digital elevation models for geomorphological analyses in Italy. Transactions in CIS, 0, , .	1.0	7
429	Alteration of gravel-bed river morphodynamics in response to multiple anthropogenic disturbances: Insights from the sediment-starved Parma River (northern Italy). Geomorphology, 2021, 389, 107845	. 1.1	10
430	The extreme 2013/14 winter storms: Regional patterns in multi-annual beach recovery. Geomorpholog 2021, 389, 107828.	gy, 1.1	7
431	Morphological evolution of a non-engineered managed realignment site following tidal inundation. Estuarine, Coastal and Shelf Science, 2021, 260, 107510.	0.9	4
432	Meander chute cutoff at an alluvial river facilitated by gypsum sinkholes. Geomorphology, 2021, 393, 107944.	1.1	2
433	Hydrological, geomorphic and sedimentological responses of an alpine basin to a severe weather event (Vaia storm). Catena, 2021, 207, 105600.	2.2	13
434	Volume estimation of soil stored in agricultural terrace systems: A geomorphometric approach. Catena, 2021, 207, 105687.	2.2	11
435	Biocrust and the soil surface: Influence of climate, disturbance, and biocrust recovery on soil surface roughness. Geoderma, 2021, 403, 115369.	2.3	8
436	Modeling of coastal vulnerability to sea-level rise and shoreline erosion using modified CVI model. , 2021, , 315-340.		0
438	Twenty-five years of progress in physical geography: a personal view of its antecedents and trajectory Geography, 2018, 103, 122-136.	. 0.2	3
439	Evaluating sediment dynamics in tributary trenches in an alpine catchment (Johnsbachtal, Austria) using multi-temporal terrestrial laser scanning. Zeitschrift FA¼r Geomorphologie, 2017, 61, 27-52.	0.3	5
440	Soil erosion prediction using the Revised Universal Soil Loss Equation (RUSLE) in Google Earth Engine (GEE) cloud-based platform. Dokuchaev Soil Bulletin, 2020, , 36-52.	0.1	8

#	Article	IF	CITATIONS
441	Morphological Changes Detection of a Large Earthflow Using Archived Images, LiDAR-Derived DTM, and UAV-Based Remote Sensing. Remote Sensing, 2021, 13, 120.	1.8	28
443	Evolution géomorphologique de la vallée de la Gendol à la suite de l'éruption d'octobre 2010 du volcan Merapi (Java, Indonésie). Geomorphologie Relief, Processus, Environnement, 2015, 21, 235-250.	0.7	6

The Grain-size Patchiness of Braided Gravel-Bed Streams $\hat{a} \in \hat{a}$ example of the Urumqi River (northeast Tian) Tj ETQq0 0 0 rgBT [Overlock 1]

445	ANALYSIS OF THE EVOLUTION OF GULLY EROSION IN OLIVE GROVES USING PHOTOGRAMMETRY TECHNIQUES. RELATIONSHIPS WITH RAINFALL REGIME. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, VI-3/W1-2020, 19-26.	0.0	2
448	Monitoring and modeling slope dynamics in an Alpine watershed – a combined approach of soil science, remote sensing and geomorphology. Proceedings of the International Association of Hydrological Sciences, 0, 371, 181-187.	1.0	2
449	Floodplain forms along the lowland Maros River, Hungary. Geographia Polonica, 2020, 93, 51-68.	0.3	3
450	Preâ€dam valley reconstruction based on archival spatial data sources: Methods, accuracy, and 3D printing possibilities. Transactions in GIS, 2022, 26, 385-420.	1.0	3
451	Comparison of UAS-Based Structure-from-Motion and LiDAR for Structural Characterization of Short Broadacre Crops. Remote Sensing, 2021, 13, 3975.	1.8	16
453	Give Me the Dirt: Detection of Gully Extent and Volume Using High-Resolution Lidar. Lecture Notes in Geoinformation and Cartography, 2009, , 255-269.	0.5	5
455	Braiding. , 2019, , .		0
456	Short-term to Decadal-scale Sand Flat Morphodynamics and Sediment Balance of a Megatidal Bay: Insight from Multiple LiDAR Datasets. Journal of Coastal Research, 2019, 88, 61.	0.1	5
457	ANALYSIS OF GULLY EROSION IN A CATCHMENT AREA IN OLIVE GROVES USING UAS PHOTOGRAMMETRY TECHNIQUES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B2-2020, 1057-1064.	0.2	1
458	3D POINT ERRORS AND CHANGE DETECTION ACCURACY OF UNMANNED AERIAL VEHICLE LASER SCANNING DATA. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-2-2020, 765-772.	0.0	3
459	Subglacial Channels, Climate Warming, and Increasing Frequency of Alpine Glacier Snout Collapse. Geophysical Research Letters, 2021, 48, e2021GL096031.	1.5	13
460	Improving the Accuracy of Global DEM of Differences (DoD) in Google Earth Engine for 3-D Change Detection Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12332-12347.	2.3	5
461	Sentinel-1 Satellite Radar Images: A New Source of Information for Study of River Channel Dynamics on the Lower Vistula River, Poland. Remote Sensing, 2022, 14, 1056.	1.8	4
462	Does the topographic data source truly influence the routing modelling of debris flows in a torrent catchment?. Earth Surface Processes and Landforms, 2022, 47, 2107-2129.	1.2	5
463	Sediment Transport on a Sand Bed With Dunes: Deformation and Translation Fluxes. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	1.0	1

#	Article	IF	CITATIONS
464	Bank reâ \in erosion action to promote sediment supply and channel diversification: Feedback from a restoration test on the Rhine. River Research and Applications, 0, , .	0.7	2
465	Las2DoD: Change Detection Based on Digital Elevation Models Derived from Dense Point Clouds with Spatially Varied Uncertainty. Remote Sensing, 2022, 14, 1537.	1.8	9
466	Planform changes and alterations of longitudinal connectivity caused by the 2019 flood event on the braided Brahmaputra River in Assam, India. Geomorphology, 2022, 403, 108174.	1.1	6
467	Storm characteristics dictate sediment dynamics and geomorphic changes in mountain channels: A case study in the Italian Alps. Geomorphology, 2022, 403, 108173.	1.1	23
469	Monitoring and modeling sediment transport in space in small loess catchments using UAV-SfM photogrammetry. Catena, 2022, 214, 106244.	2.2	17
470	Surface Elevation Changes Estimation Underneath Mangrove Canopy Using SNERL Filtering Algorithm and DoD Technique on UAV-Derived DSM Data. ISPRS International Journal of Geo-Information, 2022, 11, 32.	1.4	11
471	Mapping biological soil crusts in a Hawaiian dryland. International Journal of Remote Sensing, 2022, 43, 484-509.	1.3	3
474	A Field Investigation on Gully Erosion and Implications for Changes in Sediment Delivery Processes in Some Tributaries of the Upper Yellow River in China. ISPRS International Journal of Geo-Information, 2022, 11, 288.	1.4	3
475	Methods in Geomorphology: Investigating River Channel Form. , 2013, , 1032-1050.		0
476	River Processes and Implications for Fluvial Ecogeomorphology: A European Perspective. , 2013, , 367-381.		0
477	Multi-Temporal Analysis of Morphological Changes in an Alpine Proglacial Area and Their Effect on Sediment Transfer. SSRN Electronic Journal, 0, , .	0.4	0
478	Assessing DEM quality and minimizing registration error in repeated geomorphic surveys with multiâ€ŧemporal ground truths of invariant features: Application to a longâ€ŧerm dataset of beach topography and nearshore bathymetry. Earth Surface Processes and Landforms, 2022, 47, 2950-2971.	1.2	3
479	Dynamic restoration and the impact of native versus invasive vegetation on coastal foredune morphodynamics, Lanphere Dunes, California, USA. Earth Surface Processes and Landforms, 2022, 47, 3083-3099.	1.2	6
480	Best practices in post-flood surveys: The study case of Pioverna torrent. Journal of Agricultural Engineering, 2022, 53, .	0.7	3
481	SEDIMENT SUPPLY CONTROL ON MORPHODYNAMIC PROCESSES IN GRAVELâ€BED RIVER WIDENINGS. Earth Surface Processes and Landforms, 0, , .	1.2	3
482	Sandy beach evolution in the low-energy microtidal Baltic Sea: Attribution of changes to hydrometeorological forcing. Geomorphology, 2022, 414, 108383.	1.1	3
483	Geomorphometry and terrain analysis: data, methods, platforms and applications. Earth-Science Reviews, 2022, 233, 104191.	4.0	45
484	Pointcloud Generation in Geomorphology. Springer Textbooks in Earth Sciences, Geography and Environment, 2022, , 7-30.	0.1	0

#	Article	IF	CITATIONS
485	Point-Cloud Technology for Coastal and Floodplain Geomorphology. Springer Textbooks in Earth Sciences, Geography and Environment, 2022, , 53-81.	0.1	1
486	Geomorphic effects of natural flood management woody dams in upland streams. River Research and Applications, 0, , .	0.7	1
488	Structuralization of Complicated Lotic Habitats Using Sentinel-2 Imagery and Weighted Focal Statistic Convolution. Hydrology, 2022, 9, 195.	1.3	0
489	Understanding the entropy-based morphological variability and energy expenditure mechanism of a large braided river system. Journal of Hydrology, 2022, 615, 128662.	2.3	7
490	Millennial-scale coseismic landslide history inferred from topographic and stratigraphic features of a post-caldera cone of Aso Volcano in southwestern Japan. Geomorphology, 2023, 422, 108553.	1.1	0
491	Combination of historical and modern data to decipher the geomorphic evolution of the Innere Ölgruben rock glacier, Kaunertal, Austria, over almost a century (1922–2021). Permafrost and Periglacial Processes, 2023, 34, 3-21.	1.5	5
492	Sound‣ide Inundation and Seaward Erosion of a Barrier Island During Hurricane Landfall. Journal of Geophysical Research F: Earth Surface, 2023, 128, .	1.0	3
493	Decrypting the stream periphyton physical habitat of recently deglaciated floodplains. Science of the Total Environment, 2023, 867, 161374.	3.9	7
494	Comparability of Multiâ€Temporal DTMs derived from different LiDAR Platforms: Error Sources and Uncertainties in the Application of Geomorphic Impact Studies. Earth Surface Processes and Landforms, 0, , .	1.2	1
495	A Novel Approach to Quantify Sediment Transfer and Storage in Rivers—Testing Feldspar Singleâ€Grain pIRIR Analysis and Numerical Simulations. Journal of Geophysical Research F: Earth Surface, 2023, 128, .	1.0	4
496	Spatio-temporal analysis of slope-type debris flow activity in Horlachtal, Austria, based on orthophotos and lidar data since 1947. Natural Hazards and Earth System Sciences, 2023, 23, 601-622.	1.5	4
497	Measuring ground surface elevation changes in a slow-moving colluvial landslide using combinations of regional airborne lidar, UAV lidar and UAV photogrammetric surveys. Quarterly Journal of Engineering Geology and Hydrogeology, 2023, 56, .	0.8	1
498	Annual and decadal net morphological displacement of a small gravelâ€bed channel. Earth Surface Processes and Landforms, 2023, 48, 1630-1645.	1.2	2
499	Achieving change through gully erosion research. Earth Surface Processes and Landforms, 2024, 49, 49-57.	1.2	1
500	Understanding the Planform Complexity and Morphodynamic Properties of Brahmaputra River in Bangladesh: Protection and Exploitation of Riparian Areas. Water (Switzerland), 2023, 15, 1384.	1.2	11
511	Using Archival Aerial Imagery to Study Landscape Properties and Dynamics. , 2023, , 87-96.		0