

# Luc Girod

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8917636/publications.pdf>

Version: 2024-02-01

18  
papers

1,089  
citations

758635

12  
h-index

996533

15  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1112  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerated global glacier mass loss in the early twenty-first century. <i>Nature</i> , 2021, 592, 726-731.	13.7	585
2	Sensitivity of glacier volume change estimation to DEM void interpolation. <i>Cryosphere</i> , 2019, 13, 895-910.	1.5	97
3	MMASTER: Improved ASTER DEMs for Elevation Change Monitoring. <i>Remote Sensing</i> , 2017, 9, 704.	1.8	63
4	Sudden large-volume detachments of low-angle mountain glaciers “more frequent than thought?”. <i>Cryosphere</i> , 2021, 15, 1751-1785.	1.5	63
5	Application of open-source photogrammetric software MicMac for monitoring surface deformation in laboratory models. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2852-2872.	1.4	58
6	Surface kinematics of periglacial sorted circles using structure-from-motion technology. <i>Cryosphere</i> , 2014, 8, 1041-1056.	1.5	48
7	Spatial Variability in Patterns of Glacier Change across the Manaslu Range, Central Himalaya. <i>Frontiers in Earth Science</i> , 2018, 6, .	0.8	32
8	Dynamic vulnerability revealed in the collapse of an Arctic tidewater glacier. <i>Scientific Reports</i> , 2019, 9, 5541.	1.6	29
9	Terrain changes from images acquired on opportunistic flights by SfM photogrammetry. <i>Cryosphere</i> , 2017, 11, 827-840.	1.5	23
10	Precise DEM extraction from Svalbard using 1936 high oblique imagery. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2018, 7, 277-288.	0.6	21
11	Icelandic permafrost dynamics since the Last Glacial Maximum “model results and geomorphological implications. <i>Quaternary Science Reviews</i> , 2020, 233, 106236.	1.4	16
12	Time-lapse Photogrammetry of Distributed Snow Depth During Snowmelt. <i>Water Resources Research</i> , 2019, 55, 7916-7926.	1.7	13
13	Geodetic mass balance of Abramov Glacier from 1975 to 2015. <i>Journal of Glaciology</i> , 2021, 67, 331-342.	1.1	13
14	Structure-From-Motion Photogrammetry of Antarctic Historical Aerial Photographs in Conjunction with Ground Control Derived from Satellite Data. <i>Remote Sensing</i> , 2021, 13, 21.	1.8	8
15	Three different glacier surges at a spot: what satellites observe and what not. <i>Cryosphere</i> , 2022, 16, 2505-2526.	1.5	7
16	IMPROVEMENT OF DEM GENERATION FROM ASTER IMAGES USING SATELLITE JITTER ESTIMATION AND OPEN SOURCE IMPLEMENTATION. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-1/W5, 249-253.	0.2	4
17	GLACIER VOLUME CHANGE ESTIMATION USING TIME SERIES OF IMPROVED ASTER DEMS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B8, 489-494.	0.2	0
18	ABSOLUTE COREGISTRATION AND DOMING CORRECTION IN ADVERSE CONDITIONS, OR HOW TO RETRIEVE SNOW DEPTH FROM DRONE FLIGHTS. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, V-3-2020, 375-379.	0.0	0