

# Stefano Luigi Gariano

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3164285/publications.pdf>

Version: 2024-02-01

45  
papers

2,907  
citations

361413  
20  
h-index

345221  
36  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Landslides in a changing climate. <i>Earth-Science Reviews</i> , 2016, 162, 227-252.	9.1	790
2	A review of the recent literature on rainfall thresholds for landslide occurrence. <i>Landslides</i> , 2018, 15, 1483-1501.	5.4	358
3	Rainfall thresholds for possible landslide occurrence in Italy. <i>Geomorphology</i> , 2017, 290, 39-57.	2.6	236
4	Geographical landslide early warning systems. <i>Earth-Science Reviews</i> , 2020, 200, 102973.	9.1	224
5	Calibration and validation of rainfall thresholds for shallow landslide forecasting in Sicily, southern Italy. <i>Geomorphology</i> , 2015, 228, 653-665.	2.6	189
6	Definition and performance of a threshold-based regional early warning model for rainfall-induced landslides. <i>Landslides</i> , 2017, 14, 995-1008.	5.4	113
7	An algorithm for the objective reconstruction of rainfall events responsible for landslides. <i>Landslides</i> , 2015, 12, 311-320.	5.4	105
8	A tool for the automatic calculation of rainfall thresholds for landslide occurrence. <i>Environmental Modelling and Software</i> , 2018, 105, 230-243.	4.5	102
9	Rainfall thresholds for shallow landslide occurrence in Calabria, southern Italy. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 317-330.	3.6	96
10	How much does the rainfall temporal resolution affect rainfall thresholds for landslide triggering?. <i>Natural Hazards</i> , 2020, 100, 655-670.	3.4	77
11	Assessing future changes in the occurrence of rainfall-induced landslides at a regional scale. <i>Science of the Total Environment</i> , 2017, 596-597, 417-426.	8.0	75
12	Rainfall thresholds for the possible landslide occurrence in Sicily (Southern Italy) based on the automatic reconstruction of rainfall events. <i>Landslides</i> , 2016, 13, 165-172.	5.4	58
13	Automatic calculation of rainfall thresholds for landslide occurrence in Chukha Dzongkhag, Bhutan. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 4325-4332.	3.5	51
14	Impacts of past and future land changes on landslides in southern Italy. <i>Regional Environmental Change</i> , 2018, 18, 437-449.	2.9	43
15	Shallow-landslide susceptibility in the Costa Viola mountain ridge (southern Calabria, Italy) with considerations on the role of causal factors. <i>Natural Hazards</i> , 2014, 73, 111-136.	3.4	35
16	Changes in the occurrence of rainfall-induced landslides in Calabria, southern Italy, in the 20th century. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 2313-2330.	3.6	32
17	Rainstorms able to induce flash floods in a Mediterranean-climate region (Calabria, southern Italy). <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 2423-2434.	3.6	30
18	Preface: Landslide early warning systems: monitoring systems, rainfall thresholds, warning models, performance evaluation and risk perception. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 3179-3186.	3.6	30

#	ARTICLE	IF	CITATIONS
19	Changes in climate patterns and their association to natural hazard distribution in South Tyrol (Eastern Italian Alps). Scientific Reports, 2020, 10, 5022.	3.3	29
20	Determination of Empirical Rainfall Thresholds for Shallow Landslides in Slovenia Using an Automatic Tool. Water (Switzerland), 2020, 12, 1449.	2.7	28
21	Coupling limit equilibrium analyses and real-time monitoring to refine a landslide surveillance system in Calabria (southern Italy). Natural Hazards and Earth System Sciences, 2010, 10, 2341-2354.	3.6	19
22	Satellite rainfall products outperform ground observations for landslide prediction in India. Hydrology and Earth System Sciences, 2021, 25, 3267-3279.	4.9	19
23	A global landslide non-susceptibility map. Geomorphology, 2021, 389, 107804.	2.6	17
24	LandAware: a new international network on Landslide Early Warning Systems. Landslides, 2020, 17, 2699-2702.	5.4	16
25	&lt;sup>&gt;CA&lt;/sup>&lt;/sup>&lt;/sup>&lt;/sup>SAKe&lt;/i>&lt;/sup>: forecasting landslide activations by a genetic-algorithms-based hydrological model. Geoscientific Model Development, 2015, 8, 1955-1978.	3.6	15
26	Catalogue of Rainfall Events with Shallow Landslides and New Rainfall Thresholds in Italy. , 2015, , 1575-1579.		15
27	Rainfall and rockfalls in the Canary Islands: assessing a seasonal link. Natural Hazards and Earth System Sciences, 2020, 20, 2307-2317.	3.6	15
28	Using satellite rainfall products to assess the triggering conditions for hydro-morphological processes in different geomorphological settings in China. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102350.	2.8	12
29	Regional investigation on seasonality of erosivity in the Mediterranean environment. Environmental Earth Sciences, 2015, 73, 311-324.	2.7	9
30	The “Piano dell’Acqua” sinkholes (San Basile, Northern Calabria, Italy). Bulletin of Engineering Geology and the Environment, 2016, 75, 37-52.	3.5	9
31	Long-term analysis of rainfall-induced landslides in Umbria, central Italy. Natural Hazards, 2021, 106, 2207-2225.	3.4	9
32	Mass-Movements and Climate Change. , 2022, , 546-558.		8
33	Rainfall and landslide initiation. , 2022, , 427-450.		7
34	Landslide-risk scenario of the Costa Viola mountain ridge (Calabria, Southern Italy). Journal of Maps, 2016, 12, 261-270.	2.0	6
35	Examples of Application of GAsake for Predicting the Occurrence of Rainfall-Induced Landslides in Southern Italy. Geosciences (Switzerland), 2018, 8, 78.	2.2	6
36	Preface to the Special Issue “Rainfall Thresholds and Other Approaches for Landslide Prediction and Early Warning”. Water (Switzerland), 2021, 13, 323.	2.7	3

#	ARTICLE	IF	CITATIONS
37	TXT-tool 2.039-1.5: An Algorithm for the Objective Reconstruction of Rainfall Events Responsible for Landslides. , 2018, , 433-447.		2
38	Activities of the Research Institute for Geo-Hydrological Protection, of the Italian National Research Council, World Centre of Excellence on landslide risk. Landslides, 2019, 16, 1415-1418.	5.4	2
39	How Many Rainfall-Induced Landslides Are Detectable by a Regional Seismic Monitoring Network?. , 2017, , 161-168.		2
40	Potential Effects of Climate Changes on Landslide Activity in Different Geomorphological Contexts. , 2017, , 243-249.		2
41	A Heuristic Method to Evaluate the Effect of Soil Tillage on Slope Stability: A Pilot Case in Central Italy. Land, 2022, 11, 912.	2.9	2
42	The Role of Rainfall and Land Use/Cover Changes in Landslide Occurrence in Calabria, Southern Italy, in the 20th Century. , 2017, , 339-345.		1
43	Advances in Rainfall Thresholds for Landslide Triggering in Italy. , 2020, , 247-263.		0
44	Regional Approaches in Forecasting Rainfall-Induced Landslides. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 251-256.	0.3	0
45	Broadening and Deepening the Rainfall-Induced Landslide Detection. , 2022, , 267-288.		0