Xuanmei Fan

List of Publications by Year
in descending order

71 papers	**4,859** citations

117571

34 h-index

102432

66 g-index

73 all docs

73 docs citations

73 times ranked

2382 citing authors

#	Article	IF	Citations
1	Earthquake‑Induced Chains of Geologic Hazards: Patterns, Mechanisms, and Impacts. Reviews of Geophysics, 2019, 57, 421-503.	9.0	505
2	Distribution pattern of earthquake-induced landslides triggered by the 12 May 2008 Wenchuan earthquake. Geomorphology, 2011, 133, 152-167.	1.1	502
3	The landslide story. Nature Geoscience, 2013, 6, 325-326.	5.4	290
4	Failure mechanism and kinematics of the deadly June 24th 2017 Xinmo landslide, Maoxian, Sichuan, China. Landslides, 2017, 14, 2129-2146.	2.7	231
5	The characteristics and failure mechanism of the largest landslide triggered by the Wenchuan earthquake, May 12, 2008, China. Landslides, 2012, 9, 131-142.	2.7	203
6	Coseismic landslides triggered by the 8th August 2017 Ms 7.0 Jiuzhaigou earthquake (Sichuan, China): factors controlling their spatial distribution and implications for the seismogenic blind fault identification. Landslides, 2018, 15, 967-983.	2.7	178
7	What we have learned from the 2008 Wenchuan Earthquake and its aftermath: A decade of research and challenges. Engineering Geology, 2018, 241, 25-32.	2.9	173
8	Some considerations on the use of numerical methods to simulate past landslides and possible new failures: the case of the recent Xinmo landslide (Sichuan, China). Landslides, 2018, 15, 1359-1375.	2.7	153
9	Successive landsliding and damming of the Jinsha River in eastern Tibet, China: prime investigation, early warning, and emergency response. Landslides, 2019, 16, 1003-1020.	2.7	145
10	The formation and impact of landslide dams – State of the art. Earth-Science Reviews, 2020, 203, 103116.	4.0	133
11	Analysis of landslide dams induced by the 2008 Wenchuan earthquake. Journal of Asian Earth Sciences, 2012, 57, 25-37.	1.0	122
12	A chemo-mechanical insight into the failure mechanism of frequently occurred landslides in the Loess Plateau, Gansu Province, China. Engineering Geology, 2017, 228, 337-345.	2.9	110
13	Spatio-temporal evolution of mass wasting after the 2008 Mw 7.9 Wenchuan earthquake revealed by a detailed multi-temporal inventory. Landslides, 2018, 15, 2325-2341.	2.7	102
14	Prediction of a multi-hazard chain by an integrated numerical simulation approach: the Baige landslide, Jinsha River, China. Landslides, 2020, 17, 147-164.	2.7	97
15	Liquefaction within a bedding fault: Understanding the initiation and movement of the Daguangbao landslide triggered by the 2008 Wenchuan Earthquake (Ms = 8.0). Engineering Geology, 2021, 295, 106455.	2.9	95
16	Complex rupture mechanism and topography control symmetry of mass-wasting pattern, 2010 Haiti earthquake. Geomorphology, 2013, 184, 127-138.	1.1	93
17	Entering the Era of Earth Observation-Based Landslide Warning Systems: A Novel and Exciting Framework. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 136-153.	4.9	90
18	Two multi-temporal datasets that track the enhanced landsliding after the 2008 Wenchuan earthquake. Earth System Science Data, 2019, 11, 35-55.	3.7	87

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19	Coseismic landslides triggered by the 2018 Hokkaido, Japan (Mw 6.6), earthquake: spatial distribution, controlling factors, and possible failure mechanism. Landslides, 2019, 16, 1551-1566.	2.7	85
20	Transient water and sediment storage of the decaying landslide dams induced by the 2008 Wenchuan earthquake, China. Geomorphology, 2012, 171-172, 58-68.	1.1	83
21	Decadal vegetation succession from MODIS reveals the spatio-temporal evolution of post-seismic landsliding after the 2008 Wenchuan earthquake. Remote Sensing of Environment, 2020, 236, 111476.	4.6	83
22	Modelling the role of material depletion, grain coarsening and revegetation in debris flow occurrences after the 2008 Wenchuan earthquake. Engineering Geology, 2019, 250, 34-44.	2.9	81
23	Simulating dam-breach flood scenarios of the Tangjiashan landslide dam induced by the Wenchuan Earthquake. Natural Hazards and Earth System Sciences, 2012, 12, 3031-3044.	1.5	77
24	The "long"-runout rock avalanche in Pusa, China, on August 28, 2017: a preliminary report. Landslides, 2019, 16, 139-154.	2.7	74
25	Topographic and near-surface stratigraphic amplification of the seismic response of a mountain slope revealed by field monitoring and numerical simulations. Engineering Geology, 2020, 271, 105607.	2.9	69
26	Rapidly Evolving Controls of Landslides After a Strong Earthquake and Implications for Hazard Assessments. Geophysical Research Letters, 2021, 48, .	1.5	61
27	Modeling and predicting reservoir landslide displacement with deep belief network and EWMA control charts: a case study in Three Gorges Reservoir. Landslides, 2020, 17, 693-707.	2.7	54
28	Empirical prediction of coseismic landslide dam formation. Earth Surface Processes and Landforms, 2014, 39, 1913-1926.	1.2	53
29	Response of High-Strength Rock Slope to Seismic Waves in a Shaking Table Test. Bulletin of the Seismological Society of America, 2013, 103, 3012-3025.	1.1	52
30	Characteristics and classification of landslide dams associated with the 2008 Wenchuan earthquake. Geoenvironmental Disasters, 2017, 4, .	1.8	47
31	Analyzing successive landslide dam formation by different triggering mechanisms: The case of the Tangjiawan landslide, Sichuan, China. Engineering Geology, 2018, 243, 128-144.	2.9	45
32	Analysing post-earthquake mass movement volume dynamics with multi-source DEMs. Engineering Geology, 2019, 248, 89-101.	2.9	43
33	Recent technological and methodological advances for the investigation of landslide dams. Earth-Science Reviews, 2021, 218, 103646.	4.0	42
34	Post-disaster assessment of 2017 catastrophic Xinmo landslide (China) by spaceborne SAR interferometry. Landslides, 2019, 16, 1189-1199.	2.7	36
35	Empirical prediction for travel distance of channelized rock avalanches in the Wenchuan earthquake area. Natural Hazards and Earth System Sciences, 2017, 17, 833-844.	1.5	35
36	Landslide early warning, case studies from Southwest China. Engineering Geology, 2020, 279, 105917.	2.9	35

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37	Change detection-based co-seismic landslide mapping through extended morphological profiles and ensemble strategy. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 187, 225-239.	4.9	32
38	Identifying post-earthquake debris flow hazard using Massflow. Engineering Geology, 2019, 258, 105134.	2.9	31
39	Brief communication: Post-seismic landslides, the tough lesson of a catastrophe. Natural Hazards and Earth System Sciences, 2018, 18, 397-403.	1.5	29
40	Unraveling the drivers of intensified landslide regimes in Western Ghats, India. Science of the Total Environment, 2021, 770, 145357.	3.9	28
41	Hydro-sediment-morphodynamic processes of the baige landslide-induced barrier Lake, Jinsha River, China. Journal of Hydrology, 2021, 596, 126134.	2.3	24
42	Surface temperature controls the pattern of post-earthquake landslide activity. Scientific Reports, 2022, 12, 988.	1.6	24
43	Probabilistic rainfall thresholds for debris flows occurred after the Wenchuan earthquake using a Bayesian technique. Engineering Geology, 2021, 280, 105965.	2.9	23
44	Catastrophic debris flows triggered by the 20 August 2019 rainfall, a decade since the Wenchuan earthquake, China. Landslides, 2021, 18, 3197-3212.	2.7	23
45	Coseismic Debris Remains in the Orogen Despite a Decade of Enhanced Landsliding. Geophysical Research Letters, 2021, 48, e2021GL095850.	1.5	22
46	Erosion Mechanisms of Debris Flow on the Sediment Bed. Water Resources Research, 2021, 57, .	1.7	22
47	Quantitative spatial distribution model of site-specific loess landslides on the Heifangtai terrace, China. Landslides, 2021, 18, 1163-1176.	2.7	20
48	MFFENet and ADANet: a robust deep transfer learning method and its application in high precision and fast cross-scene recognition of earthquake-induced landslides. Landslides, 2022, 19, 1617-1647.	2.7	19
49	Distinctive controls on the distribution of river-damming and non-damming landslides induced by the 2008 Wenchuan earthquake. Bulletin of Engineering Geology and the Environment, 2019, 78, 4075-4093.	1.6	16
50	Imminent threat of rock-ice avalanches in High Mountain Asia. Science of the Total Environment, 2022, 836, 155380.	3.9	16
51	A Sequentially Coupled Catchment‐Scale Numerical Model for Snowmelt‐Induced Soil Slope Instabilities. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005468.	1.0	14
52	Co-seismic landslide mapping using Sentinel-2 10-m fused NIR narrow, red-edge, and SWIR bands. Landslides, 2021, 18, 2017.	2.7	14
53	The Fate of Sediment After a Large Earthquake. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	1.0	14
54	Particle comminution defines megaflood and superflood energetics. Earth-Science Reviews, 2020, 204, 103087.	4.0	13

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55	Landslides and fluvial response to landsliding induced by the 1933 Diexi earthquake, Minjiang River, eastern Tibetan Plateau. Landslides, 2021, 18, 3011-3025.	2.7	13
56	Probabilistic hazard assessment of landslide-induced river damming. Engineering Geology, 2022, 304, 106678.	2.9	13
57	Comment on â€˜Gigantic rockslides induced by fluvial incision in the Diexi area along the eastern margin of the Tibetan Plateauâ€™ by Zhao et al. (2019) Geomorphology 338, 27â€"42. Geomorphology, 2022, 402, 106963.	1.1	12
58	Temporal detection of sharp landslide deformation with ensemble-based LSTM-RNNs and Hurst exponent. Geomatics, Natural Hazards and Risk, 2021, 12, 3089-3113.	2.0	10
59	Automated Mapping of Ms 7.0 Jiuzhaigou Earthquake (China) Post-Disaster Landslides Based on High-Resolution UAV Imagery. Remote Sensing, 2021, 13, 1330.	1.8	9
60	Changes in debris-flow susceptibility after the Wenchuan earthquake revealed by meteorological and hydro-meteorological thresholds. Catena, 2022, 210, 105929.	2.2	9
61	Did the 2008 Wenchuan Earthquake Lead to a Net Volume Loss?. , 2014, , 191-196.		7
62	The impact of earthquakes on orogen-scale exhumation. Earth Surface Dynamics, 2020, 8, 579-593.	1.0	7
63	The long-term geologic hazards and consequent risk after the Wenchuan earthquake. , 2016, , 233-258.		5
64	The Classification of Damming Landslides and Landslide Dams Induced by the Wenchuan Earthquake. , 2015, , 1143-1147.		5
65	Hydraulic control on the development of megaflood runup deposits. Geomorphology, 2020, 361, 107203.	1.1	4
66	The role of earthquake-induced landslides in erosion and weathering from active mountain ranges: Progress and perspectives. Science China Earth Sciences, 2021, 64, 2069.	2.3	4
67	Multi-Temporal Landslide Inventory-Based Statistical Susceptibility Modeling Associated With the 2017 Mw 6.5 Jiuzhaigou Earthquake, Sichuan, China. Frontiers in Environmental Science, 2022, 10, .	1.5	4
68	Ecosystem carbon stock loss after a mega earthquake. Catena, 2022, 216, 106393.	2.2	4
69	The iRALL Doctoral School 2018: advanced studies on large landslides on the 10th anniversary of the Wenchuan earthquake. Landslides, 2018, 15, 1901-1903.	2.7	2
70	A Conceptual Event-Tree Model for Coseismic Landslide Dam Hazard Assessment. , 2014, , 605-608.		1
71	Prediction of a Multi-hazard Chain by an Integrated Numerical Simulation Approach: The Baige Landslide Along the Jinsha River, China. Springer Series in Geomechanics and Geoengineering, 2020, , 384-392.	0.0	0