

Runqiu Huang

List of Publications by Year in descending order

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115
papers

5,577
citations

76294

40
h-index

88593

70
g-index

120
all docs

120
docs citations

120
times ranked

3290
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation mechanism and evolution process of the Chada rock avalanche in Southeast Tibet, China. <i>Landslides</i> , 2022, 19, 331-349.	2.7	9
2	Deep-seated toppling deformations of rock slopes in western China. <i>Landslides</i> , 2022, 19, 809-827.	2.7	13
3	The intrinsic mobility of very dense grain flows. <i>Earth and Planetary Science Letters</i> , 2022, 580, 117389.	1.8	4
4	Multi-Temporal Landslide Inventory-Based Statistical Susceptibility Modeling Associated With the 2017 Mw 6.5 Jiuzhaigou Earthquake, Sichuan, China. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	4
5	The Fate of Sediment After a Large Earthquake. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .	1.0	14
6	Geology amplification of the seismic response of a large deep-seated rock slope revealed by field monitoring and geophysical methods. <i>Environmental Earth Sciences</i> , 2022, 81, 1.	1.3	5
7	Deep-seated toppling deformations at the dam site of the Miaowei Hydropower Station, Southwest China. <i>Engineering Geology</i> , 2022, 303, 106654.	2.9	7
8	Characterizing the spatial distribution, frequency, geomorphological and geological controls on landslides triggered by the 1933 Mw 7.3 Diexi Earthquake, Sichuan, China. <i>Geomorphology</i> , 2022, 403, 108177.	1.1	22
9	Earthquake-induced landslide erosion coupled to tectonics and river incision, and effects of ground motion on coupled patterns. <i>Catena</i> , 2022, 216, 106334.	2.2	3
10	Critical tension crack depth in rockslides that conform to the three-section mechanism. <i>Landslides</i> , 2021, 18, 79-88.	2.7	37
11	Probabilistic rainfall thresholds for debris flows occurred after the Wenchuan earthquake using a Bayesian technique. <i>Engineering Geology</i> , 2021, 280, 105965.	2.9	23
12	The debris avalanche in Donghekou area triggered by the 2008 Wenchuan (M8.0) earthquake: Features and possible transportation mechanisms. <i>Engineering Geology</i> , 2021, 280, 105922.	2.9	7
13	Coseismic Debris Remains in the Orogen Despite a Decade of Enhanced Landsliding. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095850.	1.5	22
14	Liquefaction within a bedding fault: Understanding the initiation and movement of the Daguangbao landslide triggered by the 2008 Wenchuan Earthquake (Ms=8.0). <i>Engineering Geology</i> , 2021, 295, 106455.	2.9	95
15	Decadal vegetation succession from MODIS reveals the spatio-temporal evolution of post-seismic landsliding after the 2008 Wenchuan earthquake. <i>Remote Sensing of Environment</i> , 2020, 236, 111476.	4.6	83
16	Prediction of a multi-hazard chain by an integrated numerical simulation approach: the Baige landslide, Jinsha River, China. <i>Landslides</i> , 2020, 17, 147-164.	2.7	97
17	Anomalous co-seismic surface effects produced by the 2014 Mw 6.2 Ludian earthquake, Yunnan, China: An example of complex faulting related to Riedel shear structures. <i>Engineering Geology</i> , 2020, 266, 105476.	2.9	5
18	Geological and morphological study of the Daguangbao landslide triggered by the Ms. 8.0 Wenchuan earthquake, China. <i>Geomorphology</i> , 2020, 370, 107394.	1.1	21

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19	Landslide early warning, case studies from Southwest China. <i>Engineering Geology</i> , 2020, 279, 105917.	2.9	35
20	An Energy-Based Fatigue Damage Model for Sandstone Subjected to Cyclic Loading. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 5069-5079.	2.6	28
21	Topographic and near-surface stratigraphic amplification of the seismic response of a mountain slope revealed by field monitoring and numerical simulations. <i>Engineering Geology</i> , 2020, 271, 105607.	2.9	69
22	A hybrid machine-learning model to estimate potential debris-flow volumes. <i>Geomorphology</i> , 2020, 367, 107333.	1.1	13
23	Centrifuge Model Testing of Loess Landslides Induced by Excavation in Northwest China. <i>International Journal of Geomechanics</i> , 2020, 20, .	1.3	17
24	Physical Simulation of Rainfall Infiltration into Unsaturated Slopes. , 2020, , 139-186.		0
25	Slope Stability Analysis Based on Coupled Approach. , 2020, , 187-235.		0
26	The impact of earthquakes on orogen-scale exhumation. <i>Earth Surface Dynamics</i> , 2020, 8, 579-593.	1.0	7
27	Sediment Records Indicate Outburst Events of Gega Dammed Lake at Yarlung Tsangpo River in the Tibetan Plateau. <i>Acta Geologica Sinica</i> , 2019, 93, 87-90.	0.8	0
28	Superheated steam, hot CO ₂ and dynamic recrystallization from frictional heat jointly lubricated a giant landslide: Field and experimental evidence. <i>Earth and Planetary Science Letters</i> , 2019, 510, 85-93.	1.8	78
29	Centrifuge model testing of a loess landslide induced by rising groundwater in Northwest China. <i>Engineering Geology</i> , 2019, 259, 105170.	2.9	35
30	Coseismic landslides triggered by the 2018 Hokkaido, Japan (Mw 6.6), earthquake: spatial distribution, controlling factors, and possible failure mechanism. <i>Landslides</i> , 2019, 16, 1551-1566.	2.7	85
31	Earthquake-induced Chains of Geologic Hazards: Patterns, Mechanisms, and Impacts. <i>Reviews of Geophysics</i> , 2019, 57, 421-503.	9.0	505
32	Model test study on the hydrological mechanisms and early warning thresholds for loess fill slope failure induced by rainfall. <i>Engineering Geology</i> , 2019, 258, 105135.	2.9	57
33	Successive landsliding and damming of the Jinsha River in eastern Tibet, China: prime investigation, early warning, and emergency response. <i>Landslides</i> , 2019, 16, 1003-1020.	2.7	145
34	Failure mechanisms of wind-induced post-seismic rockfall hazard. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 5707-5725.	1.6	8
35	Nonlinear behavior and damage model for fractured rock under cyclic loading based on energy dissipation principle. <i>Engineering Fracture Mechanics</i> , 2019, 206, 330-341.	2.0	118
36	The "œlong" runout rock avalanche in Pusa, China, on August 28, 2017: a preliminary report. <i>Landslides</i> , 2019, 16, 139-154.	2.7	74

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37	Mechanics of the earthquake-induced Hongshiyuan landslide in the 2014 Mw 6.2 Ludian earthquake, Yunnan, China. <i>Engineering Geology</i> , 2019, 251, 197-213.	2.9	37
38	Modelling the role of material depletion, grain coarsening and revegetation in debris flow occurrences after the 2008 Wenchuan earthquake. <i>Engineering Geology</i> , 2019, 250, 34-44.	2.9	81
39	Structural characteristics and hydraulic conductivity of an eluvial-colluvial gravelly soil. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 5011-5028.	1.6	27
40	Two multi-temporal datasets that track the enhanced landsliding after the 2008 Wenchuan earthquake. <i>Earth System Science Data</i> , 2019, 11, 35-55.	3.7	87
41	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. <i>Landslides</i> , 2018, 15, 967-983.	2.7	178
42	Suction and rate-dependent behaviour of a shear-zone soil from a landslide in a gently-inclined mudstone-sandstone sequence in the Sichuan basin, China. <i>Engineering Geology</i> , 2018, 237, 1-11.	2.9	32
43	Shear-Rate-Dependent Behavior of Clayey Bimaterial Interfaces at Landslide Stress Levels. <i>Geophysical Research Letters</i> , 2018, 45, 766-777.	1.5	71
44	What we have learned from the 2008 Wenchuan Earthquake and its aftermath: A decade of research and challenges. <i>Engineering Geology</i> , 2018, 241, 25-32.	2.9	173
45	Effects of geological and tectonic characteristics on the earthquake-triggered Daguangbao landslide, China. <i>Landslides</i> , 2018, 15, 649-667.	2.7	46
46	Mineral changes quantify frictional heating during a large low-friction landslide. <i>Geology</i> , 2018, 46, 223-226.	2.0	49
47	Acoustic Emissions and Microseismicity in Granular Slopes Prior to Failure and Flow-Like Motion: The Potential for Early Warning. <i>Geophysical Research Letters</i> , 2018, 45, 10,406.	1.5	28
48	Spatio-temporal evolution of mass wasting after the 2008 Mw 7.9 Wenchuan earthquake revealed by a detailed multi-temporal inventory. <i>Landslides</i> , 2018, 15, 2325-2341.	2.7	102
49	A new method of predicting the prestress variations in anchored cables with excavation unloading destruction. <i>Engineering Geology</i> , 2018, 241, 109-120.	2.9	45
50	Influence of Particle Shape on the Mechanical Property of Granular Materials. , 2018, , 63-73.		0
51	Analyzing successive landslide dam formation by different triggering mechanisms: The case of the Tangjiawan landslide, Sichuan, China. <i>Engineering Geology</i> , 2018, 243, 128-144.	2.9	45
52	The iRALL Doctoral School 2018: advanced studies on large landslides on the 10th anniversary of the Wenchuan earthquake. <i>Landslides</i> , 2018, 15, 1901-1903.	2.7	2
53	Gradual late stage deepening of Gega ice-dammed lake, Tsangpo gorge, southeastern Tibet, indicated by preliminary sedimentary rock magnetic properties. <i>Acta Geophysica</i> , 2018, 66, 907-914.	1.0	4
54	Internal Erosion Controls Failure and Runout of Loose Granular Deposits: Evidence From Flume Tests and Implications for Postseismic Slope Healing. <i>Geophysical Research Letters</i> , 2018, 45, 5518-5527.	1.5	53

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55	Characteristics and classification of landslide dams associated with the 2008 Wenchuan earthquake. <i>Geoenvironmental Disasters</i> , 2017, 4, .	1.8	47
56	Research on Quantitative Analysis for Nanopore Structure Characteristics of Shale Based on NMR and NMR Cryoporometry. <i>Energy & Fuels</i> , 2017, 31, 5844-5853.	2.5	22
57	Rainfall infiltration performance and its relation to mesoscopic structural properties of a gravelly soil slope. <i>Engineering Geology</i> , 2017, 230, 1-10.	2.9	38
58	On the initiation and movement mechanisms of a catastrophic landslide triggered by the 2008 Wenchuan (Ms 8.0) earthquake in the epicenter area. <i>Landslides</i> , 2017, 14, 805-819.	2.7	32
59	Empirical prediction for travel distance of channelized rock avalanches in the Wenchuan earthquake area. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 833-844.	1.5	35
60	Partial reactivation of a huge deep-seated ancient rock slide: recognition, formation mechanism, and stability. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 1719-1735.	1.5	10
61	Simple process for synthesis of layered sodium silicates using rice husk ash as silica source. <i>Journal of Alloys and Compounds</i> , 2016, 683, 412-417.	2.8	17
62	The long-term geologic hazards and consequent risk after the Wenchuan earthquake. , 2016, , 233-258.		5
63	A facile procedure for the synthesis of $\text{Na}_2\text{Si}_2\text{O}_5$ using rice husk ash as silicon source. <i>Materials Letters</i> , 2016, 163, 36-38.	1.3	7
64	Study on pore structure characteristics of marine and continental shale in China. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 33, 143-152.	2.1	29
65	Synthesis and swelling behaviors of microcrystal muscovite composite superabsorbent by photopolymerization. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 151-156.	0.4	4
66	Experimental study on the brittle failure of the locking section in a large-scale rock slide. <i>Landslides</i> , 2016, 13, 583-588.	2.7	44
67	Addendum: Zhao, X.; et al. Properties of Foamed Mortar Prepared with Granulated Blast-furnace Slag. <i>Materials</i> 2015, 8(2), 462-473. <i>Materials</i> , 2015, 8, 3958-3959.	1.3	0
68	Properties of Foamed Mortar Prepared with Granulated Blast-Furnace Slag. <i>Materials</i> , 2015, 8, 462-473.	1.3	42
69	Synthesis and swelling properties of a pH- and temperature- dual responsive hydrogel by inverse microemulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	8
70	3D WebGIS-based platform for debris flow early warning: A case study. <i>Engineering Geology</i> , 2015, 197, 57-66.	2.9	42
71	Site monitoring of suction and temporary pore water pressure in an ancient landslide in the Three Gorges reservoir area, China. <i>Environmental Earth Sciences</i> , 2015, 73, 5601-5609.	1.3	25
72	Understanding the Mechanism of Large-Scale Landslides. , 2015, , 13-32.		18

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73	The Classification of Damming Landslides and Landslide Dams Induced by the Wenchuan Earthquake. , 2015, , 1143-1147.		5
74	Properties and structure of microcrystal muscovite composite superabsorbent. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 1302-1306.	0.4	5
75	Post-earthquake landsliding and long-term impacts in the Wenchuan earthquake area, China. Engineering Geology, 2014, 182, 111-120.	2.9	129
76	Special Issue "The long-term geologic hazards in areas struck by large-magnitude earthquakes". Engineering Geology, 2014, 182, 109-110.	2.9	2
77	Assessment model for earthquake-triggered landslides based on quantification theory I: case study of Jushui River basin in Sichuan, China. Natural Hazards, 2014, 70, 821-838.	1.6	3
78	Evidence of hillslope directional amplification from accelerometer recordings at Qiaozhuang (Sichuan " China). Engineering Geology, 2014, 183, 193-207.	2.9	40
79	A large landslide triggered by the 2008 Wenchuan (M8.0) earthquake in Donghekou area: Phenomena and mechanisms. Engineering Geology, 2014, 182, 148-157.	2.9	64
80	Swelling behaviors and gel strength studies of wheat straw-composite superabsorbent. Journal of Composite Materials, 2014, 48, 2341-2348.	1.2	21
81	Synthesis and swelling properties of microcrystal muscovite composite superabsorbent. Applied Clay Science, 2014, 101, 199-204.	2.6	21
82	Structure and properties of corn stalk-composite superabsorbent. Polymer Bulletin, 2014, 71, 371-383.	1.7	19
83	Numerical Simulation of Granular Flows in a Large Flume Using Discontinuous Deformation Analysis. Rock Mechanics and Rock Engineering, 2014, 47, 2299-2306.	2.6	5
84	Crustal deformation along the Longmen-Shan fault zone and its implications for seismogenesis. Tectonophysics, 2014, 610, 128-137.	0.9	29
85	Landslide Amplification by Liquefaction of Runout"Path Material after the 2008 Wenchuan (M 8.0) Earthquake, China. Earth Surface Processes and Landforms, 2013, 38, 265-274.	1.2	41
86	Effects of particle shape on shear strength of clay-gravel mixture. KSCE Journal of Civil Engineering, 2013, 17, 712-717.	0.9	45
87	WebGIS-based information management system for landslides triggered by Wenchuan earthquake. Natural Hazards, 2013, 65, 1507-1517.	1.6	23
88	The internal structure of a rockslide dam induced by the 2008 Wenchuan (Mw7.9) earthquake, China. Engineering Geology, 2013, 156, 28-36.	2.9	37
89	Analysis of an anti-dip landslide triggered by the 2008 Wenchuan earthquake in China. Natural Hazards, 2013, 68, 1021-1039.	1.6	75
90	The landslide story. Nature Geoscience, 2013, 6, 325-326.	5.4	290

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91	Synthesis and swelling properties of corn stalk composite superabsorbent. <i>Journal of Applied Polymer Science</i> , 2013, 130, 698-703.	1.3	37
92	Synthesis of wheat straw composite superabsorbent. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3404-3410.	1.3	47
93	Structural Heterogeneities in Southeast Tibet: Implications for Regional Flow in the Lower Crust and Upper Mantle. <i>International Journal of Geophysics</i> , 2012, 2012, 1-12.	0.4	5
94	Transient water and sediment storage of the decaying landslide dams induced by the 2008 Wenchuan earthquake, China. <i>Geomorphology</i> , 2012, 171-172, 58-68.	1.1	83
95	A simple lumped mass model to describe velocity of granular flows in a large flume. <i>Journal of Mountain Science</i> , 2012, 9, 221-231.	0.8	3
96	The characteristics and failure mechanism of the largest landslide triggered by the Wenchuan earthquake, May 12, 2008, China. <i>Landslides</i> , 2012, 9, 131-142.	2.7	203
97	Mechanisms of large-scale landslides in China. <i>Bulletin of Engineering Geology and the Environment</i> , 2012, 71, 161-170.	1.6	118
98	Fundamental study on mechanism of rock avalanche. <i>Journal of the Japan Landslide Society</i> , 2011, 48, 12-22.	0.1	4
99	Formation, distribution and risk control of landslides in China. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2011, 3, 97-116.	3.7	73
100	Mass wasting triggered by the 2008 Wenchuan earthquake is greater than orogenic growth. <i>Nature Geoscience</i> , 2011, 4, 449-452.	5.4	436
101	Some factors affecting mass-front velocity of rapid dry granular flows in a large flume. <i>Engineering Geology</i> , 2011, 122, 249-260.	2.9	38
102	Seismic imaging, crustal stress and GPS data analyses: Implications for the generation of the 2008 Wenchuan Earthquake (M7.9), China. <i>Gondwana Research</i> , 2011, 19, 202-212.	3.0	24
103	High geo-stress distribution and high geo-stress concentration area models for eastern margin of Qinghai-Tibet plateau. <i>Science China Technological Sciences</i> , 2011, 54, 154-166.	2.0	13
104	The genetic mechanism of Wenchuan Earthquake. <i>Journal of Mountain Science</i> , 2011, 8, 336-344.	0.8	16
105	Geo-engineering lessons learned from the 2008 Wenchuan earthquake in Sichuan and their significance to reconstruction. <i>Journal of Mountain Science</i> , 2011, 8, 176-189.	0.8	11
106	Mechanism and geo-mechanics models of landslides triggered by 5.12 Wenchuan Earthquake. <i>Journal of Mountain Science</i> , 2011, 8, 200-210.	0.8	50
107	Deformation mechanism and stability evaluation for the left abutment slope of Jinping I hydropower station. <i>Bulletin of Engineering Geology and the Environment</i> , 2010, 69, 365-372.	1.6	25
108	Seismic structure of the Longmen Shan region from S-wave tomography and its relationship with the Wenchuan Ms 8.0 earthquake on 12 May 2008, southwestern China. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	29

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109	Design and Synthesis of Novel N-tert-butyl-N-substitutedbenzoyl-N-[dihydrobenzofuran(chroman)]carbohydrazide Derivatives as Potential Insect Growth Regulators. Letters in Organic Chemistry, 2009, 6, 29-36.	0.2	5
110	Development and distribution of geohazards triggered by the 5.12 Wenchuan Earthquake in China. Science in China Series D: Earth Sciences, 2009, 52, 810-819.	0.9	90
111	Crustal ductile flow and its contribution to tectonic stress in Southwest China. Tectonophysics, 2009, 473, 476-489.	0.9	60
112	Role of fluids in the initiation of the 2008 Iwate earthquake (M7.2) in northeast Japan. Geophysical Research Letters, 2008, 35, .	1.5	26
113	Synthesis and Insecticidal Activities of Novel N-Sulphenyl-N ² -tert-butyl-N,N ² -diacylhydrazines. 1.N-Alkoxysulfenate Derivatives. Journal of Agricultural and Food Chemistry, 2007, 55, 9614-9619.	2.4	31
114	Speciation and mobility of heavy metals in mud in coastal reclamation areas in Shenzhen, China. Environmental Geology, 2007, 53, 221-228.	1.2	53
115	From scenario-based seismic hazard to scenario-based landslide hazard: rewinding to the past via statistical simulations. Stochastic Environmental Research and Risk Assessment, 0, , 1.	1.9	8