

Runqiu Huang

List of Publications by Year in descending order

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115
papers

5,577
citations

76326

40
h-index

88630

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.	5.4	9
2	Deep-seated toppling deformations of rock slopes in western China. <i>Landslides</i> , 2022, 19, 809-827.	5.4	13
3	The intrinsic mobility of very dense grain flows. <i>Earth and Planetary Science Letters</i> , 2022, 580, 117389.	4.4	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, .	3.3	4
5	The Fate of Sediment After a Large Earthquake. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .	2.8	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.	2.7	5
7	Deep-seated toppling deformations at the dam site of the Miaowei Hydropower Station, Southwest China. <i>Engineering Geology</i> , 2022, 303, 106654.	6.3	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.	2.6	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.	5.0	3
10	Critical tension crack depth in rockslides that conform to the three-section mechanism. <i>Landslides</i> , 2021, 18, 79-88.	5.4	37
11	Probabilistic rainfall thresholds for debris flows occurred after the Wenchuan earthquake using a Bayesian technique. <i>Engineering Geology</i> , 2021, 280, 105965.	6.3	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.	6.3	7
13	Coseismic Debris Remains in the Orogen Despite a Decade of Enhanced Landsliding. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095850.	4.0	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.	6.3	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.	11.0	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.	5.4	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.	6.3	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.	2.6	21

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19	Landslide early warning, case studies from Southwest China. Engineering Geology, 2020, 279, 105917.	6.3	35
20	An Energy-Based Fatigue Damage Model for Sandstone Subjected to Cyclic Loading. Rock Mechanics and Rock Engineering, 2020, 53, 5069-5079.	5.4	28
21	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.	6.3	69
22	A hybrid machine-learning model to estimate potential debris-flow volumes. Geomorphology, 2020, 367, 107333.	2.6	13
23	Centrifuge Model Testing of Loess Landslides Induced by Excavation in Northwest China. International Journal of Geomechanics, 2020, 20, .	2.7	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. Earth Surface Dynamics, 2020, 8, 579-593.	2.4	7
27	Sediment Records Indicate Outburst Events of Gega Dammed Lake at Yarlung Tsangpo River in the Tibetan Plateau. Acta Geologica Sinica, 2019, 93, 87-90.	1.4	0
28	Superheated steam, hot CO2 and dynamic recrystallization from frictional heat jointly lubricated a giant landslide: Field and experimental evidence. Earth and Planetary Science Letters, 2019, 510, 85-93.	4.4	78
29	Centrifuge model testing of a loess landslide induced by rising groundwater in Northwest China. Engineering Geology, 2019, 259, 105170.	6.3	35
30	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.	5.4	85
31	Earthquake-Induced Chains of Geologic Hazards: Patterns, Mechanisms, and Impacts. Reviews of Geophysics, 2019, 57, 421-503.	23.0	505
32	Model test study on the hydrological mechanisms and early warning thresholds for loess fill slope failure induced by rainfall. Engineering Geology, 2019, 258, 105135.	6.3	57
33	Successive landsliding and damming of the Jinsha River in eastern Tibet, China: prime investigation, early warning, and emergency response. Landslides, 2019, 16, 1003-1020.	5.4	145
34	Failure mechanisms of wind-induced post-seismic rockfall hazard. Bulletin of Engineering Geology and the Environment, 2019, 78, 5707-5725.	3.5	8
35	Nonlinear behavior and damage model for fractured rock under cyclic loading based on energy dissipation principle. Engineering Fracture Mechanics, 2019, 206, 330-341.	4.3	118
36	The "long" runout rock avalanche in Pusa, China, on August 28, 2017: a preliminary report. Landslides, 2019, 16, 139-154.	5.4	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.	6.3	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.	6.3	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.	3.5	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.	9.9	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.	5.4	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.	6.3	32
43	Shearâ€Rateâ€Dependent Behavior of Clayey Bimaterial Interfaces at Landslide Stress Levels. <i>Geophysical Research Letters</i> , 2018, 45, 766-777.	4.0	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.	6.3	173
45	Effects of geological and tectonic characteristics on the earthquake-triggered Daguangbao landslide, China. <i>Landslides</i> , 2018, 15, 649-667.	5.4	46
46	Mineral changes quantify frictional heating during a large low-friction landslide. <i>Geology</i> , 2018, 46, 223-226.	4.4	49
47	Acoustic Emissions and Microseismicity in Granular Slopes Prior to Failure and Flowâ€Like Motion: The Potential for Early Warning. <i>Geophysical Research Letters</i> , 2018, 45, 10,406.	4.0	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.	5.4	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.	6.3	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.	6.3	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.	5.4	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.	2.0	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.	4.0	53

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55	Characteristics and classification of landslide dams associated with the 2008 Wenchuan earthquake. <i>Geoenvironmental Disasters</i> , 2017, 4, .	3.6	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.	5.1	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.	6.3	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.	5.4	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.	3.6	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.	3.6	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.	5.5	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.	2.6	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.	4.4	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.	1.0	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.	5.4	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.	2.9	0
68	Properties of Foamed Mortar Prepared with Granulated Blast-Furnace Slag. <i>Materials</i> , 2015, 8, 462-473.	2.9	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, .	2.6	8
70	3D WebGIS-based platform for debris flow early warning: A case study. <i>Engineering Geology</i> , 2015, 197, 57-66.	6.3	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.	2.7	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.	1.0	5
75	Post-earthquake landsliding and long-term impacts in the Wenchuan earthquake area, China. Engineering Geology, 2014, 182, 111-120.	6.3	129
76	Special Issue “The long-term geologic hazards in areas struck by large-magnitude earthquakes” Engineering Geology, 2014, 182, 109-110.	6.3	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.	3.4	3
78	Evidence of hillslope directional amplification from accelerometer recordings at Qiaozhuang (Sichuan “China). Engineering Geology, 2014, 183, 193-207.	6.3	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.	6.3	64
80	Swelling behaviors and gel strength studies of wheat straw-composite superabsorbent. Journal of Composite Materials, 2014, 48, 2341-2348.	2.4	21
81	Synthesis and swelling properties of microcrystal muscovite composite superabsorbent. Applied Clay Science, 2014, 101, 199-204.	5.2	21
82	Structure and properties of corn stalk-composite superabsorbent. Polymer Bulletin, 2014, 71, 371-383.	3.3	19
83	Numerical Simulation of Granular Flows in a Large Flume Using Discontinuous Deformation Analysis. Rock Mechanics and Rock Engineering, 2014, 47, 2299-2306.	5.4	5
84	Crustal deformation along the Longmen-Shan fault zone and its implications for seismogenesis. Tectonophysics, 2014, 610, 128-137.	2.2	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.	2.5	41
86	Effects of particle shape on shear strength of clay-gravel mixture. KSCE Journal of Civil Engineering, 2013, 17, 712-717.	1.9	45
87	WebGIS-based information management system for landslides triggered by Wenchuan earthquake. Natural Hazards, 2013, 65, 1507-1517.	3.4	23
88	The internal structure of a rockslide dam induced by the 2008 Wenchuan (Mw7.9) earthquake, China. Engineering Geology, 2013, 156, 28-36.	6.3	37
89	Analysis of an anti-dip landslide triggered by the 2008 Wenchuan earthquake in China. Natural Hazards, 2013, 68, 1021-1039.	3.4	75
90	The landslide story. Nature Geoscience, 2013, 6, 325-326.	12.9	290

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91	Synthesis and swelling properties of corn stalk composite superabsorbent. Journal of Applied Polymer Science, 2013, 130, 698-703.	2.6	37
92	Synthesis of wheat straw composite superabsorbent. Journal of Applied Polymer Science, 2013, 130, 3404-3410.	2.6	47
93	Structural Heterogeneities in Southeast Tibet: Implications for Regional Flow in the Lower Crust and Upper Mantle. International Journal of Geophysics, 2012, 122, 1-12.	1.1	5
94	Transient water and sediment storage of the decaying landslide dams induced by the 2008 Wenchuan earthquake, China. Geomorphology, 2012, 171-172, 58-68.	2.6	83
95	A simple lumped mass model to describe velocity of granular flows in a large flume. Journal of Mountain Science, 2012, 9, 221-231.	2.0	3
96	The characteristics and failure mechanism of the largest landslide triggered by the Wenchuan earthquake, May 12, 2008, China. Landslides, 2012, 9, 131-142.	5.4	203
97	Mechanisms of large-scale landslides in China. Bulletin of Engineering Geology and the Environment, 2012, 71, 161-170.	3.5	118
98	Fundamental study on mechanism of rock avalanche. Journal of the Japan Landslide Society, 2011, 48, 12-22.	0.1	4
99	Formation, distribution and risk control of landslides in China. Journal of Rock Mechanics and Geotechnical Engineering, 2011, 3, 97-116.	8.1	73
100	Mass wasting triggered by the 2008 Wenchuan earthquake is greater than orogenic growth. Nature Geoscience, 2011, 4, 449-452.	12.9	436
101	Some factors affecting mass-front velocity of rapid dry granular flows in a large flume. Engineering Geology, 2011, 122, 249-260.	6.3	38
102	Seismic imaging, crustal stress and GPS data analyses: Implications for the generation of the 2008 Wenchuan Earthquake (M7.9), China. Gondwana Research, 2011, 19, 202-212.	6.0	24
103	High geo-stress distribution and high geo-stress concentration area models for eastern margin of Qinghai-Tibet plateau. Science China Technological Sciences, 2011, 54, 154-166.	4.0	13
104	The genetic mechanism of Wenchuan Earthquake. Journal of Mountain Science, 2011, 8, 336-344.	2.0	16
105	Geo-engineering lessons learned from the 2008 Wenchuan earthquake in Sichuan and their significance to reconstruction. Journal of Mountain Science, 2011, 8, 176-189.	2.0	11
106	Mechanism and geo-mechanics models of landslides triggered by 5.12 Wenchuan Earthquake. Journal of Mountain Science, 2011, 8, 200-210.	2.0	50
107	Deformation mechanism and stability evaluation for the left abutment slope of Jinping I hydropower station. Bulletin of Engineering Geology and the Environment, 2010, 69, 365-372.	3.5	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. Geophysical Research Letters, 2010, 37, .	4.0	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.	0.5	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.	2.2	60
112	Role of fluids in the initiation of the 2008 Iwate earthquake (M7.2) in northeast Japan. Geophysical Research Letters, 2008, 35, .	4.0	26
113	Synthesis and Insecticidal Activities of NovelN-Sulphenyl-Nâ€²-tert-butyl-N,Nâ€²-diacylhydrazines. 1.N-Alkoxysulfenate Derivatives. Journal of Agricultural and Food Chemistry, 2007, 55, 9614-9619.	5.2	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.	4.0	8