

Chao-jun Ouyang

List of Publications by Citations

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53
papers

1,290
citations

17
h-index

34
g-index

58
ext. papers

1,711
ext. citations

5.2
avg, IF

5.02
L-index

#	Paper	IF	Citations
53	Entrainment of bed material by Earth-surface mass flows: Review and reformulation of depth-integrated theory. <i>Reviews of Geophysics</i> , 2015 , 53, 27-58	23.1	153
52	Strengthening mechanism in micro-polycrystals with penetrable grain boundaries by discrete dislocation dynamics simulation and Hall-Petch effect. <i>Computational Materials Science</i> , 2009 , 46, 1124-1134	3.2	104
51	Numerical analysis of dynamics of debris flow over erodible beds in Wenchuan earthquake-induced area. <i>Engineering Geology</i> , 2015 , 194, 62-72	6	102
50	Dynamic analysis and numerical modeling of the 2015 catastrophic landslide of the construction waste landfill at Guangming, Shenzhen, China. <i>Landslides</i> , 2017 , 14, 705-718	6.6	99
49	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). <i>Landslides</i> , 2018 , 15, 1359-1375	6.6	92
48	A MacCormack-TVD finite difference method to simulate the mass flow in mountainous terrain with variable computational domain. <i>Computers and Geosciences</i> , 2013 , 52, 1-10	4.5	78
47	Insights from the failure and dynamic characteristics of two sequential landslides at Baige village along the Jinsha River, China. <i>Landslides</i> , 2019 , 16, 1397-1414	6.6	74
46	Numerical modeling and dynamic analysis of the 2017 Xinmo landslide in Maoxian County, China. <i>Journal of Mountain Science</i> , 2017 , 14, 1701-1711	2.1	59
45	MacCormack-TVD Finite Difference Solution for Dam Break Hydraulics over Erodible Sediment Beds. <i>Journal of Hydraulic Engineering</i> , 2015 , 141, 06014026	1.8	38
44	Seismic stability analysis of soil nail reinforced slope using kinematic approach of limit analysis. <i>Environmental Earth Sciences</i> , 2012 , 66, 319-326	2.9	35
43	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	6.6	35
42	Water resources in inland regions of central Asia: Evidence from stable isotope tracing. <i>Journal of Hydrology</i> , 2019 , 570, 1-16	6	29
41	Behavior of post-installed large-diameter anchors in concrete foundations. <i>Construction and Building Materials</i> , 2015 , 95, 124-132	6.7	24
40	Failure mechanisms and characteristics of the 2016 catastrophic rockslide at Su village, Lishui, China. <i>Landslides</i> , 2018 , 15, 1391-1400	6.6	24
39	An example of a hazard and risk assessment for debris flows—a case study of Niwan Gully, Wudu, China. <i>Engineering Geology</i> , 2019 , 263, 105351	6	18
38	Identifying post-earthquake debris flow hazard using Massflow. <i>Engineering Geology</i> , 2019 , 258, 1051346		17
37	Discrete dislocation plasticity analysis of single crystalline thin beam under combined cyclic tension and bending. <i>Acta Materialia</i> , 2008 , 56, 1435-1446	8.4	17

36	Geo-engineered buffer capacity of two-layered absorbing system under the impact of rock avalanches based on Discrete Element Method. <i>Journal of Mountain Science</i> , 2016 , 13, 917-929	2.1	14
35	Dynamic Process Analysis and Hazard Prediction of Debris Flow in Eastern Qinghai-Tibet Plateau Area—A Case Study at Ridi Gully. <i>Arctic, Antarctic, and Alpine Research</i> , 2017 , 49, 373-390	1.8	14
34	Effects of segregation in binary granular mixture avalanches down inclined chutes impinging on defending structures. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	13
33	Dynamic process simulation of construction solid waste (CSW) landfill landslide based on SPH considering dilatancy effects. <i>Bulletin of Engineering Geology and the Environment</i> , 2019 , 78, 763-777	4	12
32	Early identification and dynamic processes of ridge-top rockslides: implications from the Su Village landslide in Suichang County, Zhejiang Province, China. <i>Landslides</i> , 2019 , 16, 799-813	6.6	11
31	Comprehensive molecular dynamics simulations of the stacking fault tetrahedron interacting with a mixed dislocation at elevated temperature. <i>Journal of Nuclear Materials</i> , 2015 , 465, 245-253	3.3	10
30	Comprehensive study of the Beijing Daanshan rockslide based on real-time videos, field investigations, and numerical modeling. <i>Landslides</i> , 2020 , 17, 1217-1231	6.6	10
29	Discrete dislocation analyses of circular nanoindentation and its size dependence in polycrystals. <i>Acta Materialia</i> , 2008 , 56, 2706-2717	8.4	10
28	Cyclic Hardening Behavior of Polycrystals with Penetrable Grain Boundaries: Two-Dimensional Discrete Dislocation Dynamics Simulation. <i>Acta Mechanica Solida Sinica</i> , 2009 , 22, 295-306	2	9
27	Combined influences of micro-pillar geometry and substrate constraint on microplastic behavior of compressed single-crystal micro-pillar: Two-dimensional discrete dislocation dynamics modeling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 506, 225-243	5.3	9
26	Cylindrical nano-indentation on metal film/elastic substrate system with discrete dislocation plasticity analysis: A simple model for nano-indentation size effect. <i>International Journal of Solids and Structures</i> , 2010 , 47, 3103-3114	3.1	9
25	Performance and design of post-installed large diameter anchors in concrete. <i>Construction and Building Materials</i> , 2016 , 114, 142-150	6.7	9
24	Simulation analysis of large-diameter post-installed anchors in concrete. <i>Construction and Building Materials</i> , 2017 , 143, 558-565	6.7	8
23	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 1-17	8.1	8
22	Dynamic Analysis of Rockfall Impacts on Geogrid Reinforced Soil and EPS Absorption Cushions. <i>KSCE Journal of Civil Engineering</i> , 2019 , 23, 37-45	1.9	8
21	Failure mechanisms and deformation processes of a high-locality landslide at Tonghua Town, Li County, China, 2017. <i>Landslides</i> , 2020 , 17, 165-177	6.6	8
20	Scientific challenges of research on natural hazards and disaster risk. <i>Geography and Sustainability</i> , 2021 , 2, 216-223	7.3	8
19	Circular nano-indentation in particle-reinforced metal matrix composites: Simply uniformly distributed particles lead to complex nano-indentation response. <i>Computational Materials Science</i> , 2010 , 47, 940-950	3.2	7

18	Quantitative spatial distribution model of site-specific loess landslides on the Heifangtai terrace, China. <i>Landslides</i> , 2021 , 18, 1163-1176	6.6	7
17	Dynamic process analysis of the Baige landslide by the combination of DEM and long-period seismic waves. <i>Landslides</i> , 2021 , 18, 1625-1639	6.6	7
16	Attention-Based Pyramid Network for Segmentation and Classification of High-Resolution and Hyperspectral Remote Sensing Images. <i>Remote Sensing</i> , 2020 , 12, 3501	5	6
15	Landslide dynamic process and parameter sensitivity analysis by discrete element method: the case of Turnoff Creek rock avalanche. <i>Journal of Mountain Science</i> , 2020 , 17, 1581-1595	2.1	6
14	Dynamic process simulation with a Savage-Hutter type model for the intrusion of landslide into river. <i>Journal of Mountain Science</i> , 2016 , 13, 1265-1274	2.1	5
13	Two-dimensional Dynamics Simulation of Two-phase Debris Flow. <i>Acta Geologica Sinica</i> , 2017 , 91, 1873-1883	0.7	5
12	Coupled Model of Two-phase Debris Flow, Sediment Transport and Morphological Evolution. <i>Acta Geologica Sinica</i> , 2016 , 90, 2206-2215	0.7	5
11	Long runout mechanism of the Shenzhen 2015 landslide: insights from a two-phase flow viewpoint. <i>Journal of Mountain Science</i> , 2018 , 15, 2247-2265	2.1	5
10	A generalized limit equilibrium method for the solution of active earth pressure on a retaining wall. <i>Journal of Mountain Science</i> , 2013 , 10, 1018-1027	2.1	4
9	On three-dimensional SPH modelling of large-scale landslides. <i>Canadian Geotechnical Journal</i> , 2022 , 59, 24-39	3.2	3
8	Characteristics and dynamic process analysis of the 2018 Mabian consequent landslide in Sichuan Province, China. <i>Bulletin of Engineering Geology and the Environment</i> , 2020 , 79, 3337-3359	4	2
7	A new two-phase flow model based on coupling of the depth-integrated continuum method and discrete element method. <i>Computers and Geosciences</i> , 2021 , 146, 104640	4.5	2
6	Dam-break dynamics at Huohua Lake following the 2017 Mw 6.5 Jiuzhaigou earthquake in Sichuan, China. <i>Engineering Geology</i> , 2021 , 289, 106145	6	2
5	MFFENet and ADANet: a robust deep transfer learning method and its application in high precision and fast cross-scene recognition of earthquake-induced landslides. <i>Landslides</i> , 1	6.6	2
4	An InSAR and depth-integrated coupled model for potential landslide hazard assessment. <i>Acta Geotechnica</i> , 1	4.9	1
3	Comprehensive analysis and numerical simulation of a large debris flow in the Meilong catchment, China. <i>Engineering Geology</i> , 2022 , 298, 106546	6	1
2	Key Laboratory of Mountain Hazards and Earth Surface Processes, Chinese Academy of Sciences. <i>Mountain Research and Development</i> , 2016 , 36, 116-118	1.4	1
1	Threat from above! Assessing the risk from the Tonghua high-locality landslide in Sichuan, China. <i>Landslides</i> , 1	6.6	0

