

Choi, Clarence

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7042944/choi-clarence-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

1,306
citations

23
h-index

34
g-index

59
ext. papers

1,699
ext. citations

4.3
avg, IF

5.15
L-index

#	Paper	IF	Citations
54	The cost of rapid and haphazard urbanization: lessons learned from the Freetown landslide disaster. <i>Landslides</i> , 2019 , 16, 1167-1176	6.6	68
53	Physical modeling of baffles influence on landslide debris mobility. <i>Landslides</i> , 2015 , 12, 1-18	6.6	68
52	Impact mechanisms of granular and viscous flows on rigid and flexible barriers. <i>Canadian Geotechnical Journal</i> , 2017 , 54, 188-206	3.2	66
51	Flume investigation of landslide granular debris and water runup mechanisms. <i>Geotechnique Letters</i> , 2015 , 5, 28-32	1.7	66
50	Influence of debris flow solid fraction on rigid barrier impact. <i>Canadian Geotechnical Journal</i> , 2017 , 54, 1421-1434	3.2	61
49	Effects of particle size of mono-disperse granular flows impacting a rigid barrier. <i>Natural Hazards</i> , 2018 , 91, 1179-1201	3	57
48	Flume investigation of landslide debris-resisting baffles. <i>Canadian Geotechnical Journal</i> , 2014 , 51, 540-553	3.2	57
47	Computational investigation of baffle configuration on impedance of channelized debris flow. <i>Canadian Geotechnical Journal</i> , 2015 , 52, 182-197	3.2	51
46	Dry granular flow interaction with dual-barrier systems. <i>Geotechnique</i> , 2018 , 68, 386-399	3.4	46
45	Geophysical flows impacting a flexible barrier: effects of solid-fluid interaction. <i>Landslides</i> , 2018 , 15, 99-110	6.6	42
44	Froude characteristics of both dense granular and water flows in flume modelling. <i>Landslides</i> , 2015 , 12, 1197-1206	6.6	39
43	The characteristics of the Mocoa compound disaster event, Colombia. <i>Landslides</i> , 2018 , 15, 1223-1232	6.6	39
42	Velocity attenuation of debris flows and a new momentum-based load model for rigid barriers. <i>Landslides</i> , 2017 , 14, 617-629	6.6	37
41	Experimental investigation on the longitudinal evolution of landslide dam breaching and outburst floods. <i>Geomorphology</i> , 2019 , 334, 29-43	4.3	37
40	Quantitative analysis of debris-flow flexible barrier capacity from momentum and energy perspectives. <i>Engineering Geology</i> , 2019 , 251, 81-92	6	33
39	Large-scale successive boulder impacts on a rigid barrier shielded by gabions. <i>Canadian Geotechnical Journal</i> , 2016 , 53, 1688-1699	3.2	33
38	A novel flexible barrier for landslide impact in centrifuge. <i>Geotechnique Letters</i> , 2016 , 6, 221-225	1.7	30

37	Discrete-element investigation of influence of granular debris flow baffles on rigid barrier impact. <i>Canadian Geotechnical Journal</i> , 2016 , 53, 179-185	3.2	29
36	Influence of particle size on the mechanism of dry granular run-up on a rigid barrier. <i>Geotechnique Letters</i> , 2017 , 7, 79-89	1.7	29
35	Longitudinal spreading of granular flow in trapezoidal channels. <i>Geomorphology</i> , 2013 , 194, 84-93	4.3	25
34	Back-analysis of geophysical flows using three-dimensional runout model. <i>Canadian Geotechnical Journal</i> , 2018 , 55, 1081-1094	3.2	25
33	Coarse granular flow interaction with slit structures. <i>Geotechnique Letters</i> , 2016 , 6, 267-274	1.7	23
32	Numerical study of granular debris flow run-up against slit dams by discrete element method. <i>Landslides</i> , 2020 , 17, 585-595	6.6	23
31	Depositional mechanisms and morphology of debris flow: physical modelling. <i>Landslides</i> , 2019 , 16, 315-338	3.3	23
30	Impulse load characteristics of bouldery debris flow impact. <i>Geotechnique Letters</i> , 2018 , 8, 111-117	1.7	19
29	Case Study: Effects of a Partial-Debris Dam on Riverbank Erosion in the Parlung Tsangpo River, China. <i>Water (Switzerland)</i> , 2018 , 10, 250	3	19
28	Direct simulation of two-dimensional isotropic or anisotropic random field from sparse measurement using Bayesian compressive sampling. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019 , 33, 1477-1496	3.5	18
27	Froude characterization for unsteady single-surge dry granular flows: impact pressure and runup height. <i>Canadian Geotechnical Journal</i> , 2019 , 56, 1968-1978	3.2	18
26	Surge impact behavior of granular flows: effects of water content. <i>Landslides</i> , 2018 , 15, 695-709	6.6	18
25	Effects of particle size and cushioning thickness on the performance of rock-filled gabions used in protection against boulder impact. <i>Canadian Geotechnical Journal</i> , 2019 , 56, 198-207	3.2	17
24	Load-attenuation mechanisms of flexible barrier subjected to bouldery debris flow impact. <i>Landslides</i> , 2019 , 16, 2321-2334	6.6	17
23	Effects of barrier deformability on load reduction and energy dissipation of granular flow impact. <i>Computers and Geotechnics</i> , 2020 , 121, 103445	4.4	16
22	Comparison of Cushioning Mechanisms between Cellular Glass and Gabions Subjected to Successive Boulder Impacts. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018 , 144, 04018058	3.4	16
21	Interaction between dry granular flow and deflectors. <i>Landslides</i> , 2017 , 14, 1375-1387	6.6	14
20	3D Analysis of gravel surface texture. <i>Powder Technology</i> , 2019 , 346, 414-424	5.2	14

19	Flume investigation of the influence of rigid barrier deflector angle on dry granular overflow mechanisms. <i>Canadian Geotechnical Journal</i> , 2016 , 53, 1751-1759	3.2	13
18	Slit structures: Fundamental mechanisms of mechanical trapping of granular flows. <i>Computers and Geotechnics</i> , 2020 , 119, 103376	4.4	13
17	Impact mechanisms of granular flow against curved barriers. <i>Geotechnique Letters</i> , 2017 , 7, 330-338	1.7	12
16	Interaction between dry granular flow and rigid barrier with basal clearance: analytical and physical modelling. <i>Canadian Geotechnical Journal</i> , 2020 , 57, 236-245	3.2	10
15	Debris flow impact on flexible barrier: effects of debris-barrier stiffness and flow aspect ratio. <i>Journal of Mountain Science</i> , 2019 , 16, 1629-1645	2.1	9
14	Effects of dynamic fragmentation on the impact force exerted on rigid barrier: centrifuge modelling. <i>Canadian Geotechnical Journal</i> , 2019 , 56, 1215-1224	3.2	9
13	Utilizing crowdsourcing to enhance the mitigation and management of landslides. <i>Landslides</i> , 2018 , 15, 1889-1899	6.6	7
12	Effects of particle shape on the cushioning mechanics of rock-filled gabions. <i>Acta Geotechnica</i> , 2021 , 16, 1043-1052	4.9	7
11	Performance of landslide debris-resisting baffles. <i>HKIE Transactions</i> , 2015 , 22, 235-246	2.9	5
10	Interaction between granular flows and flexible obstacles: A grain-scale investigation. <i>Computers and Geotechnics</i> , 2020 , 128, 103800	4.4	5
9	New impact equation using barrier Froude number for the design of dual rigid barriers against debris flows. <i>Landslides</i> , 2021 , 18, 2309	6.6	5
8	Eco-friendly recycled crushed glass for cushioning boulder impacts. <i>Canadian Geotechnical Journal</i> , 2019 , 56, 1251-1260	3.2	4
7	Translational Inertial Effects and Scaling Considerations for Coarse Granular Flows Impacting Landslide-Resisting Barriers. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021 , 147, 04021153	3.4	3
6	Revealing the Importance of Capillary and Collisional Stresses on Soil Bed Erosion Induced by Debris Flows. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021 , 126,	3.8	2
5	Improved Settling Velocity for Microplastic Fibers: A New Shape-Dependent Drag Model.. <i>Environmental Science & Technology</i> , 2021 ,	10.3	2
4	A depth-averaged SPH study on spreading mechanisms of geophysical flows in debris basins: Implications for terminal barrier design requirements. <i>Computers and Geotechnics</i> , 2022 , 141, 104503	4.4	1
3	Towards realistic predictions of microplastic fiber transport in aquatic environments: Secondary motions.. <i>Water Research</i> , 2022 , 218, 118476	12.5	1
2	Design Recommendations for Single and Dual Debris Flow Barriers with and Without Basal Clearance. <i>ICL Contribution To Landslide Disaster Risk Reduction</i> , 2021 , 33-53		0

- 1 Towards Depth-Averaged Modelling of the Decay of Granular Flows by Deposition. *Computers and Geotechnics*, **2022**, 148, 104792 4.4 ○