

# Chao Kang

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

351  
citations

840119

11  
h-index

839053

18  
g-index

25  
all docs

25  
docs citations

25  
times ranked

275  
citing authors

#	ARTICLE	IF	CITATIONS
1	A rapid loess mudflow triggered by the check dam failure in a bulldoze mountain area, Lanzhou, China. <i>Landslides</i> , 2019, 16, 1981-1992.	2.7	44
2	A study of a flowslide with significant entrainment in loess areas in China. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 2295-2305.	1.2	37
3	Runout and entrainment analysis of an extremely large rock avalanche—a case study of Yigong, Tibet, China. <i>Landslides</i> , 2017, 14, 123-139.	2.7	35
4	Relationships between landslide types and topographic attributes in a loess catchment, China. <i>Journal of Mountain Science</i> , 2012, 9, 742-751.	0.8	32
5	Characteristics and dynamic runout analyses of 1983 Saleshan landslide. <i>Engineering Geology</i> , 2018, 243, 181-195.	2.9	32
6	Numerical simulation of 2D granular flow entrainment using DEM. <i>Granular Matter</i> , 2018, 20, 1.	1.1	31
7	Assessment of the variation of heavy metal pollutants in soil and crop plants through field and laboratory tests. <i>Science of the Total Environment</i> , 2022, 811, 152343.	3.9	27
8	Clogging potential of tunnel boring machine (TBM): a review. <i>International Journal of Geotechnical Engineering</i> , 2018, 12, 316-323.	1.1	19
9	Modeling of Entrainment in Debris Flow Analysis for Dry Granular Material. <i>International Journal of Geomechanics</i> , 2017, 17, .	1.3	16
10	Performance evaluation of TBM clogging potential for plain and conditioning soil using a newly developed laboratory apparatus. <i>International Journal of Geotechnical Engineering</i> , 2020, 14, 463-472.	1.1	12
11	A progressive entrainment runout model for debris flow analysis and its application. <i>Geomorphology</i> , 2018, 323, 25-40.	1.1	11
12	Assessment of the clogging potential of two clays. <i>Applied Clay Science</i> , 2019, 178, 105134.	2.6	11
13	A catastrophic flowslide that overrides a liquefied substrate: the 1983 Saleshan landslide in China. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 2060-2078.	1.2	11
14	Mechanical properties of clayey soil relevant for clogging potential. <i>International Journal of Geotechnical Engineering</i> , 2017, , 1-8.	1.1	7
15	Study of kinematic characteristics of a rock avalanche and subsequent erosion process due to a debris flow in Wenjia gully, Sichuan, China. <i>Natural Hazards</i> , 2021, 106, 937-964.	1.6	6
16	Numerical modeling of large-scale dam breach experiment. <i>Landslides</i> , 2020, 17, 2737-2754.	2.7	5
17	Characteristics of a Large-Scale Deep Foundation Pit Excavated by the Central-Island Technique in Chengdu Soft Clay. <i>KSCE Journal of Civil Engineering</i> , 2022, 26, 2610-2623.	0.9	5
18	Predicting one-dimensional compression of tire derived aggregate using a simple method. <i>Soils and Foundations</i> , 2019, 59, 1292-1301.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Improved index to quantitatively assess clogging potential based on mixing test results. Tunnelling and Underground Space Technology, 2022, 120, 104251.	3.0	3
20	Compressibility characteristics of TDA from OTR (off-the-road) tires: A numerical approach. Transportation Geotechnics, 2021, 29, 100561.	2.0	2
21	Numerical Modeling of the Annular Failure Pressure during HDD in Noncohesive Soils. Journal of Pipeline Systems Engineering and Practice, 2020, 11, 04020004.	0.9	1
22	Assessing Friction Coefficient in HDD Using Analytical Models. Journal of Pipeline Systems Engineering and Practice, 2021, 12, .	0.9	1
23	Impact of Beater Shape in Mixing Test to Determine Clogging Potential. Journal of Testing and Evaluation, 2022, 50, 727-742.	0.4	0