

# Kai Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

175  
citations

1163117  
8  
h-index

1281871  
11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

146  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Initial Density, Particle Shape, and Confining Stress on the Critical State Behavior of Weathered Gap-Graded Granular Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	3.0	36
2	Influence of matric suction on nonlinear time-dependent compression behavior of a granular fill material. <i>Acta Geotechnica</i> , 2020, 15, 615-633.	5.7	25
3	Crushing and Flooding Effects on One-Dimensional Time-Dependent Behaviors of a Granular Soil. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	25
4	The stress–strain behaviour and critical state parameters of an unsaturated granular fill material under different suctions. <i>Acta Geotechnica</i> , 2020, 15, 3383-3398.	5.7	18
5	An elasto-plastic model of unsaturated soil with an explicit degree of saturation-dependent CSL. <i>Engineering Geology</i> , 2019, 260, 105240.	6.3	17
6	Numerical modelling of effects of different multipropped excavation depths on adjacent single piles: comparison between floating and end-bearing pile responses. <i>European Journal of Environmental and Civil Engineering</i> , 2021, 25, 2592-2622.	2.1	14
7	Physical model study on the clay–sand interface without and with geotextile separator. <i>Acta Geotechnica</i> , 2019, 14, 2065-2081.	5.7	12
8	Analysis of mobilized stress ratio of gap-graded granular materials in direct shear state considering coarse fraction effect. <i>Acta Geotechnica</i> , 2021, 16, 1801-1814.	5.7	10
9	Nonlinear Model for the Stress–Strain–Strength Behavior of Unsaturated Granular Materials. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	8
10	Partially drained cyclic behaviour of granular fill material in triaxial condition. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 139, 106355.	3.8	5
11	Effects of twin excavations with different construction sequence on a brick masonry wall: 3D finite element approach. <i>Structures</i> , 2022, 41, 866-886.	3.6	5
12	A novel multifunctional apparatus for testing unsaturated soils. <i>Acta Geotechnica</i> , 2021, 16, 3761.	5.7	0