

# Zhangjun Dai

## List of Publications by Year in descending order

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15  
papers

107  
citations

1478458

6  
h-index

1372553

10  
g-index

16  
all docs

16  
docs citations

16  
times ranked

38  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term uplift of high-speed railway subgrade caused by swelling effect of red-bed mudstone: case study in Southwest China. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 4855-4869.	3.5	27
2	Strength Characteristics and Slope Stability Analysis of Expansive Soil with Filled Fissures. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4616.	2.5	22
3	Physical model test of seepage and deformation characteristics of shallow expansive soil slope. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 4063-4078.	3.5	18
4	Remote monitoring for a high-speed railway subgrade structure state in a mountainous area and its response analysis. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 409-427.	3.5	7
5	Crack Evolution Characteristics and Cracking Mechanism of Red Beds in Central Sichuan during Seepage and Swelling. <i>Geofluids</i> , 2021, 2021, 1-19.	0.7	7
6	Effects of the Layer Charge Location and Interlayer Cation on Rectorite Swelling Properties: Comparison between Molecular Dynamics Simulations and Experiments. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9597-9609.	3.1	7
7	Stability Control of Staged Filling Construction on Soft Subsoil Using Hyperbolic Settlement Prediction Method: A Case Study of a Tidal Flat in China. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-11.	0.7	4
8	Laboratory Model Tests on Flow Erosion Failure Mechanism of a Slope Consisting of Anqing Group Clay Gravel Layer. <i>Geofluids</i> , 2021, 2021, 1-14.	0.7	4
9	System Reliability Analysis of Soil Nail Walls against Facing Failures. <i>International Journal of Geomechanics</i> , 2021, 21, 04021171.	2.7	3
10	Evolution of capillary force of nano-scale liquid bridge between kaolinite particles considering stratification. <i>Materials Today Communications</i> , 2021, 28, 102675.	1.9	3
11	Macro- and Microresearch on Swelling Characteristics and Deformation Mechanism of Red-Bed Mudstone in Central Sichuan, China. <i>Geofluids</i> , 2022, 2022, 1-18.	0.7	3
12	Study on Creep Characteristics of Expansive Soil in High-Fill Channel of South-to-North Water Transfer Project. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-19.	0.7	1
13	A Simulation Study on the Swelling and Shrinking Behaviors of Nanosized Montmorillonite Based on Monte Carlo and Molecular Dynamics. <i>Geofluids</i> , 2021, 2021, 1-13.	0.7	1
14	A Hypoelastic Dynamic Constitutive Model to Account for the Hysteretic Behaviour of Soil Subjected to Cyclic Loads. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-10.	0.7	0
15	Stability analysis considering the distribution and strength of the fissures for expansive soil slope. , 0, , .		0