

# Rui Gao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8207234/publications.pdf>

Version: 2024-02-01

11  
papers

124  
citations

1307594

7  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

109  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new method to simulate irregular particles by discrete element method. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2012, 4, 276-281.	8.1	28
2	Exploring the influence of sphericity on the mechanical behaviors of ballast particles subjected to direct shear. <i>Granular Matter</i> , 2019, 21, 1.	2.2	22
3	Numerical Study of Particle Morphology Effect on the Angle of Repose for Coarse Assemblies Using DEM. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-15.	1.8	14
4	Numerical exploration of the behavior of coal-fouled ballast subjected to direct shear test. <i>Construction and Building Materials</i> , 2021, 273, 121927.	7.2	10
5	A new DEM model to simulate the abrasion behavior of irregularly-shaped coarse granular aggregates. <i>Granular Matter</i> , 2021, 23, 1.	2.2	10
6	Measuring seismic resilience of building portfolios based on innovative damage ratio assessment model. <i>Structures</i> , 2021, 30, 1109-1126.	3.6	9
7	Stress-dilatancy behaviour of fouled ballast: experiments and DEM modelling. <i>Granular Matter</i> , 2021, 23, 1.	2.2	9
8	Centrifuge model testing on super-long rock-socketed bored piles under vertical loading. <i>Geomechanics and Geoengineering</i> , 2011, 6, 21-29.	1.8	7
9	A discrete element study on the deformation and degradation of coal-fouled ballast. <i>Acta Geotechnica</i> , 2022, 17, 3977-3993.	5.7	7
10	Probabilistic Seismic Resilience-Based Cost-Benefit Analysis for Bridge Retrofit Assessment. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 8457-8474.	3.0	5
11	Stiffness optimisation of coupled shear wall structure by modified genetic algorithm. <i>European Journal of Environmental and Civil Engineering</i> , 2016, 20, 861-876.	2.1	3