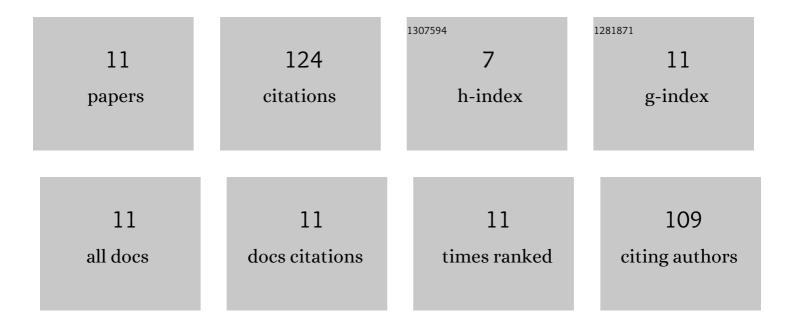
## Rui Gao

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8207234/publications.pdf Version: 2024-02-01



DUI CAO

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