

# Deheng Wei

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3251376/publications.pdf>

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12  
papers

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citations

1170033

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1336881

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#	ARTICLE	IF	CITATIONS
1	Surface reconstruction with spherical harmonics and its application for single particle crushing simulations. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022, 14, 232-239.	3.7	4
2	A Numerical Investigation on Effective Diffusion in Cement-Based Composites: The Role of Aggregate Shape. <i>Transport in Porous Media</i> , 2022, 143, 681-702.	1.2	1
3	Permeability of Uniformly Graded 3D Printed Granular Media. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	17
4	An enhanced tool for probing the microscopic behavior of granular materials based on X-ray micro-CT and FDEM. <i>Computers and Geotechnics</i> , 2021, 132, 103974.	2.3	33
5	An experimental investigation on cemented sand particles using different loading paths: Failure modes and fabric quantifications. <i>Construction and Building Materials</i> , 2020, 258, 119487.	3.2	4
6	Study on the effect of particle morphology on single particle breakage using a combined finite-discrete element method. <i>Computers and Geotechnics</i> , 2020, 122, 103532.	2.3	48
7	Three-dimensional particle shape characterizations from half particle geometries. <i>Powder Technology</i> , 2020, 367, 122-132.	2.1	21
8	Contact behaviour of simulated rough spheres generated with spherical harmonics. <i>International Journal of Solids and Structures</i> , 2020, 193-194, 54-68.	1.3	13
9	The role of particle morphology on concrete fracture behaviour: A meso-scale modelling approach. <i>Cement and Concrete Research</i> , 2020, 134, 106096.	4.6	46
10	An FDEM study of particle breakage under rotational point loading. <i>Engineering Fracture Mechanics</i> , 2019, 212, 221-237.	2.0	38
11	A simple method for particle shape generation with spherical harmonics. <i>Powder Technology</i> , 2018, 330, 284-291.	2.1	54
12	Generation of realistic sand particles with fractal nature using an improved spherical harmonic analysis. <i>Computers and Geotechnics</i> , 2018, 104, 1-12.	2.3	89