

Particle shape effects on fabric of granular random pack

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effects of particle asphericity on the macro- and micro-mechanical behaviors of granular assemblies. Granular Matter, 2017, 19, 1.	2.2	98
2	Interfacial transition zone between lignocellulosic fiber and matrix in cement-based composites. , 2017, , 27-68.		8
3	Influence of particle shape on the microstructure evolution and the mechanical properties of granular materials. Comptes Rendus - Mecanique, 2018, 346, 460-476.	2.1	24
4	Effects of curvature-related DEM contact model on the macro- and micro-mechanical behaviours of granular soils. Geotechnique, 2018, 68, 1085-1098.	4.0	104
5	Stress profile in bulk of seeds in a shallow model silo as influenced by mobilisation of particle-particle and particle-wall friction: Experiments and DEM simulations. Powder Technology, 2018, 327, 320-334.	4.2	25
6	Discrete element modelling of ellipsoidal particles using super-ellipsoids and multi-spheres: A comparative study. Powder Technology, 2018, 331, 179-191.	4.2	84
7	Three-dimensional Voronoi analysis of monodisperse ellipsoids during triaxial shear. Powder Technology, 2018, 323, 323-336.	4.2	35
8	Three dimensional discrete element method simulations of interface shear. Soils and Foundations, 2018, 58, 941-956.	3.1	26
9	Effect of shape and friction on the packing and flow of granular materials. Physical Review E, 2018, 98, .	2.1	42
10	Effect of particle shape on micro- and mesostructure evolution of granular assemblies under biaxial loading conditions. Comptes Rendus - Mecanique, 2018, 346, 1233-1252.	2.1	16
11	Effect of particle morphologies on the percolation of particulate porous media: A study of superballs. Powder Technology, 2018, 335, 388-400.	4.2	35
12	Uniform and decoupled shape effects on the maximally dense random packings of hard superellipsoids. Powder Technology, 2018, 338, 67-78.	4.2	24
13	Shear-induced anisotropy of granular materials with rolling resistance and particle shape effects. International Journal of Solids and Structures, 2018, 150, 268-281.	2.7	126
14	Geometrical percolation threshold of congruent cuboidlike particles in overlapping particle systems. Physical Review E, 2018, 98, 012134.	2.1	33
15	Simulation of the granular flow of cylindrical particles in the rotating drum. AIChE Journal, 2018, 64, 3835-3848.	3.6	17
16	Interaction between super-quadric particles and triangular elements and its application to hopper discharge. Powder Technology, 2018, 339, 534-549.	4.2	45
17	Contact Models and DEM Simulation of Micrometer-Sized Particles and Agglomerates at Static Loading Based on Experimental Characterization. , 2019, , 115-163.		2
18	A polyâ€superellipsoidâ€based approach on particle morphology for DEM modeling of granular media. International Journal for Numerical and Analytical Methods in Geomechanics, 2019, 43, 2147-2169.	3.3	102

#	ARTICLE	IF	CITATIONS
19	Superellipsoid-based study on reproducing 3D particle geometry from 2D projections. Computers and Geotechnics, 2019, 114, 103131.	4.7	15
20	Influences of particle shape on evolutions of force-chain and micro-macro parameters at critical state for granular materials. Powder Technology, 2019, 354, 906-921.	4.2	27
21	Impact of three-dimensional sphericity and roundness on heat transfer in granular materials. Powder Technology, 2019, 355, 770-781.	4.2	25
22	The influence of particle elongations on direct shear behaviour of granular materials using DEM. Granular Matter, 2019, 21, 1.	2.2	26
23	Exploring the influence of sphericity on the mechanical behaviors of ballast particles subjected to direct shear. Granular Matter, 2019, 21, 1.	2.2	22
24	Effect of particle breakage conditions on child particle aspect ratio. Powder Technology, 2019, 355, 564-572.	4.2	6
25	Binder jetting: A review of process, materials, and methods. Additive Manufacturing, 2019, 28, 781-801.	3.0	292
26	Effect of particle shape of glass beads on the strength and deformation of cemented sands. Acta Geotechnica, 2019, 14, 2123-2131.	5.7	27
27	Numerical and experimental studies of the effect of iron ore particle shape on repose angle and porosity of a heap. Powder Technology, 2019, 353, 526-534.	4.2	34
28	Random-packing properties of spheropolyhedra. Powder Technology, 2019, 351, 186-194.	4.2	16
29	Determining random packing density and equivalent packing size of superballs via binary mixtures with spheres. Chemical Engineering Science, 2019, 202, 270-281.	3.8	15
30	Micromechanical Particle Interactions in Railway Ballast through DEM Simulations of Direct Shear Tests. International Journal of Geomechanics, 2019, 19, .	2.7	48
31	Measurement of continuum percolation properties of two-dimensional particulate systems comprising congruent and binary superellipses. Powder Technology, 2019, 347, 17-26.	4.2	28
32	The contact detection for heart-shaped particles. Powder Technology, 2019, 346, 85-96.	4.2	14
33	Enhancing the mechanical strength and air permeability of corundum porous materials using shape-modified coarse aggregates. Ceramics International, 2019, 45, 11027-11031.	4.8	6
34	Micromechanical behaviors and fabric within the immediate influence zone of granular-continuum interfaces. European Journal of Environmental and Civil Engineering, 2022, 26, 1158-1181.	2.1	4
35	Jammed packings of 3D superellipsoids with tunable packing fraction, coordination number, and ordering. Soft Matter, 2019, 15, 9751-9761.	2.7	15
36	Discrete numerical simulations of torpedo anchor installation in granular soils. Computers and Geotechnics, 2019, 108, 40-52.	4.7	24

#	ARTICLE	IF	CITATIONS
37	Numerical investigations on random close packings of cylindrical particles with different aspect ratios. Powder Technology, 2019, 343, 79-86.	4.2	21
38	Three-Dimensional Simulations of Plate Anchor Pullout in Granular Materials. International Journal of Geomechanics, 2019, 19, .	2.7	27
39	Discrete element method simulations of offshore plate anchor keying behavior in granular soils. Marine Georesources and Geotechnology, 2020, 38, 716-729.	2.1	9
40	Impact of polydispersity of particle shape and size on percolation threshold of 3D particulate media composed of penetrable superellipsoids. Powder Technology, 2020, 360, 944-955.	4.2	14
41	DEM investigation of angle of repose for super-ellipsoidal particles. Particuology, 2020, 50, 53-66.	3.6	35
42	Comparison of different effective diameter calculating methods for spherocylinders by geometrically exact DEM simulations. Powder Technology, 2020, 360, 1092-1101.	4.2	8
43	X-ray imaging of a high-temperature furnace applied to glass melting. Journal of the American Ceramic Society, 2020, 103, 979-992.	3.8	5
44	Impact of Three-Dimensional Sphericity and Roundness on Coordination Number. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	21
45	3D shape quantification and random packing simulation of rock aggregates using photogrammetry-based reconstruction and discrete element method. Construction and Building Materials, 2020, 262, 119986.	7.2	39
46	A new approach to particle shape quantification using the curvature plot. Powder Technology, 2020, 374, 377-388.	4.2	4
47	Microstructural Evolution of Battery Electrodes During Calendering. Joule, 2020, 4, 2746-2768.	24.0	95
48	A Novel Multi-Scale Particle Morphology Descriptor with the Application of SPHERICAL Harmonics. Materials, 2020, 13, 3286.	2.9	12
49	Inter-particle friction and particle sphericity effects on isotropic compression behavior in real-shaped sand assemblies. Computers and Geotechnics, 2020, 126, 103741.	4.7	13
50	Discrete element simulations of heart-shaped particle systems. Powder Technology, 2020, 375, 369-383.	4.2	3
51	Application of Vacuum Techniques in Shell Moulds Produced by Additive Manufacturing. Metals, 2020, 10, 1090.	2.3	3
52	VOROPACK-D: Real-time disk packing algorithm using Voronoi diagram. Applied Mathematics and Computation, 2020, 375, 125076.	2.2	9
53	A digitalized 2D particle database for statistical shape analysis and discrete modeling of rock aggregate. Construction and Building Materials, 2020, 247, 117906.	7.2	30
54	A Numerical Based Approach to Calculate Ore Dilution Rates Using Rolling Resistance Model and Upside-Down Drop Shape Theory. Rock Mechanics and Rock Engineering, 2020, 53, 4639-4652.	5.4	4

#	ARTICLE	IF	CITATIONS
55	Shape effects on packing properties of bi-axial superellipsoids. Powder Technology, 2020, 364, 49-59.	4.2	5
56	Universality of internal structure characteristics in granular media under shear. Physical Review E, 2020, 101, 012906.	2.1	31
57	Numerical Modeling for Simulation of Compaction of Refractory Materials for Secondary Steelmaking. Materials, 2020, 13, 224.	2.9	4
58	Packings of micron-sized spherical particles “ Insights from bulk density determination, X-ray microtomography and discrete element simulations. Advanced Powder Technology, 2020, 31, 2293-2304.	4.1	34
59	Effect of particle shape on the progressive failure of shield tunnel face in granular soils by coupled FDM-DEM method. Tunnelling and Underground Space Technology, 2020, 100, 103394.	6.2	130
60	A discrete element study of the effect of particle shape on packing density of fine and cohesive powders. Computational Particle Mechanics, 2021, 8, 183-200.	3.0	11
61	Statistical analysis and comparative study of multi-scale 2D and 3D shape features for unbound granular geomaterials. Transportation Geotechnics, 2021, 26, 100377.	4.5	15
62	CPU-based Parallel Algorithm for Super-Quadric Discrete Element Method and Its Applications for Non-Spherical Granular Flows. Advances in Engineering Software, 2021, 151, 102931.	3.8	17
63	A threadâ€‘blockâ€‘wise computational framework for largeâ€‘scale hierarchical continuumâ€‘discrete modeling of granular media. International Journal for Numerical Methods in Engineering, 2021, 122, 579-608.	2.8	16
64	SudoDEM: Unleashing the predictive power of the discrete element method on simulation for non-spherical granular particles. Computer Physics Communications, 2021, 259, 107670.	7.5	37
65	Interplays between particle shape and particle breakage in confined continuous crushing of granular media. Powder Technology, 2021, 378, 455-467.	4.2	37
66	Review on the structure of random packedâ€‘beds. Canadian Journal of Chemical Engineering, 2021, 99, .	1.7	27
67	Random generation of convex aggregates for DEM study of particle shape effect. Construction and Building Materials, 2021, 268, 121468.	7.2	33
68	Three-dimensional Voronoi analysis of realistic grain packing: An XCT assisted set Voronoi tessellation framework. Powder Technology, 2021, 379, 251-264.	4.2	17
69	The microscopic origin of KO on granular soils: the role of particle shape. Acta Geotechnica, 2021, 16, 2089-2109.	5.7	5
70	Fourier series-based discrete element method for two-dimensional concave irregular particles. Computers and Geotechnics, 2021, 132, 103991.	4.7	8
71	Discrete element simulation of super-ellipse systems. Granular Matter, 2021, 23, 1.	2.2	3
72	Predicting segregation of nonspherical particles. Physical Review Fluids, 2021, 6, .	2.5	6

#	ARTICLE	IF	CITATIONS
73	A novel approach of random packing generation of complex-shaped 3D particles with controllable sizes and shapes. <i>Acta Geotechnica</i> , 2022, 17, 355-376.	5.7	26
74	Shape effects on mechanical properties of maximally random jammed packings of intersecting spherocylinders. <i>Powder Technology</i> , 2021, 383, 443-453.	4.2	6
75	Quantifying the effects of elongation and flatness on the shear behavior of realistic 3D rock aggregates based on DEM modeling. <i>Advanced Powder Technology</i> , 2021, 32, 1318-1332.	4.1	15
76	Machine learning reveals the influences of grain morphology on grain crushing strength. <i>Acta Geotechnica</i> , 2021, 16, 3617-3630.	5.7	16
77	A spherical-harmonic-based approach to discrete element modeling of <scp>3D</scp> irregular particles. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 5626-5655.	2.8	45
78	Gene mutation of particle morphology through spherical harmonic-based principal component analysis. <i>Powder Technology</i> , 2021, 386, 176-192.	4.2	15
79	Modeling and improvement of a packed bed latent heat storage filled with non-spherical encapsulated PCM-Elements. <i>Renewable Energy</i> , 2021, 173, 1087-1097.	8.9	37
80	Hydride breathing and its consequence on stresses applied to containers: A review. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 35594-35640.	7.1	12
81	Bearing capacity and failure of footing on anisotropic soil: A multiscale perspective. <i>Computers and Geotechnics</i> , 2021, 137, 104279.	4.7	21
82	Impact of particle shape on networks in sands. <i>Computers and Geotechnics</i> , 2021, 137, 104258.	4.7	6
83	DEM study of the angle of repose and porosity distribution of cylindrical particles with different lengths. <i>International Journal of Chemical Reactor Engineering</i> , 2021, .	1.1	2
84	Discrete element modeling of the compression molding of polymer-crystal composite particles. <i>Powder Technology</i> , 2021, 390, 112-125.	4.2	13
85	Packing and void structures of octahedral, dodecahedral and icosahedral granular particles. <i>Granular Matter</i> , 2021, 23, 1.	2.2	4
86	Isotropic compression behavior of granular assembly with non-spherical particles by X-ray micro-computed tomography and discrete element modeling. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, 13, 972-984.	8.1	7
87	Over-stiff and over-damped problem of multi-sphere approach for ellipse-wall collision using discrete element method. <i>Powder Technology</i> , 2021, 394, 735-747.	4.2	4
88	Contact between rigid convex NURBS particles based on computer graphics concepts. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 386, 114097.	6.6	12
89	A novel Arcs-based discrete element modeling of arbitrary convex and concave 2D particles. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 386, 114071.	6.6	14
90	Using IR Thermography to Analyze the Mechanical Response of a Granular Material. <i>International Journal of Mechanical Engineering and Robotics Research</i> , 2021, , 189-195.	1.0	0

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91	Effects of particle gradation and geometry on the pore characteristics and water retention curves of granular soils: a combined DEM and PNM investigation. Granular Matter, 2021, 23, 1.	2.2	13
92	Fourier series-based discrete element method for computational mechanics of irregular-shaped particles. Computer Methods in Applied Mechanics and Engineering, 2020, 362, 112873.	6.6	49
93	Multiscale modeling of thermo-mechanical responses of granular materials: A hierarchical continuum–discrete coupling approach. Computer Methods in Applied Mechanics and Engineering, 2020, 367, 113100.	6.6	41
94	Remarkable simplicity in the prediction of nonspherical particle segregation. Physical Review Research, 2020, 2, .	3.6	11
95	Discrete Element Modeling and Simulation of Soybean Seed Using Multi-Spheres and Super-Ellipsoids. IEEE Access, 2020, 8, 222672-222683.	4.2	7
96	Theoretical and Experimental Determination of Proppant Crushing Rate and Fracture Conductivity. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, .	2.3	6
97	3D DEM method for compaction and breakage characteristics simulation of broken rock mass in goaf. Acta Geotechnica, 2022, 17, 2765-2781.	5.7	31
98	Discrete element analysis of buffering capacity of non-spherical granular materials based on super-quadric method. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 094501.	0.5	2
99	Constructions of Irregular Shaped Particles in the DEM. Springer Tracts in Mechanical Engineering, 2020, , 23-49.	0.3	0
100	Link between packing morphology and the distribution of contact forces and stresses in packings of highly nonconvex particles. Physical Review E, 2020, 102, 062902.	2.1	9
101	Machine-learning-enabled discrete element method: Contact detection and resolution of irregular-shaped particles. International Journal for Numerical and Analytical Methods in Geomechanics, 2022, 46, 113-140.	3.3	5
102	Micro-mechanical analysis of soil–structure interface behavior under constant normal stiffness condition with DEM. Acta Geotechnica, 2022, 17, 2711-2733.	5.7	29
103	Uniform shape elongation effects on the random packings of uniaxially variable superellipsoids. Powder Technology, 2020, 376, 60-71.	4.2	4
104	Effect of artificial aggregate shapes on the porosity, tortuosity and permeability of their packings. Powder Technology, 2022, 397, 117019.	4.2	9
105	Shape quantification of volcanic cinders and the influence of particle shape indexes on accumulation characteristics. International Journal of Pavement Engineering, 2023, 24, 1-12.	4.4	3
107	Cyclic settlement of ballast layer due to train passages at high speed and its reduction by asphalt trackbed. Construction and Building Materials, 2022, 318, 125956.	7.2	2
108	Effect of packing conditions and materials properties on loose packing fraction of rigid particles: a theoretical and experimental review. Journal of Sustainable Cement-Based Materials, 2023, 12, 158-169.	3.1	2
109	Construction and Excavation by Collaborative Double-Tailed SAW Robots. IEEE Robotics and Automation Letters, 2022, 7, 3742-3748.	5.1	3

#	ARTICLE	IF	CITATIONS
110	Morphology Characteristics of the Fragments Produced by Rock Grain Crushing. International Journal of Geomechanics, 2022, 22, .	2.7	4
111	Contact orientation distributions for visualisation of granular fabric. Granular Matter, 2022, 24, 1.	2.2	1
112	Micromechanical investigation of the particle size effect on the shear strength of uncrushable granular materials. Acta Geotechnica, 0, , 1.	5.7	11
113	Pore tortuosity and diffusivity of porous composite RVEs composed of random sequential additions of polydisperse superellipsoidal particles. Powder Technology, 2022, , 117324.	4.2	3
114	A random algorithm for 3D modeling of solid particles considering elongation, flatness, sphericity, and convexity. Computational Particle Mechanics, 2023, 10, 19-44.	3.0	4
115	Determination of physical and interaction parameters of green pepper (<i>Zanthoxylum armatum</i>): Investigation of the mechanism of significant factors against the repose angle. LWT - Food Science and Technology, 2022, 162, 113409.	5.2	8
116	Sub-surface granular dynamics in the context of oblique, low-velocity impacts into angular granular media. Icarus, 2022, 385, 115089.	2.5	0
117	Micro- and macroscopic aspects of the intermittent behaviors of granular materials related by graph neural network. International Journal of Solids and Structures, 2022, 251, 111763.	2.7	5
118	Determination of mechanical properties of <i>Zanthoxylum armatum</i> using the discrete element method. Food Quality and Safety, 2022, 6, .	1.8	1
119	A voxel-based clump generation method used for DEM simulations. Granular Matter, 2022, 24, .	2.2	3
120	3D Mechanical Characters and Their Fabric Evolutions of Granular Materials by DEM Simulation. Mathematical Problems in Engineering, 2022, 2022, 1-15.	1.1	0
122	Signed distance field framework for unified DEM modeling of granular media with arbitrary particle shapes. Computational Mechanics, 2022, 70, 763-783.	4.0	15
123	Effect of aggregate morphology characteristics on the voidage of aggregate loose packing based on 3D discrete element method. Construction and Building Materials, 2022, 348, 128598.	7.2	6
124	Development of a benchmark for drag correlations of nonspherical particles based on settling experiments of super-ellipsoidal particles. Powder Technology, 2022, 409, 117811.	4.2	6
125	Dense packings of geodesic hard ellipses on a sphere. Soft Matter, 2022, 18, 7670-7678.	2.7	4
126	Effect of sediment form and form distribution on porosity: a simulation study based on the discrete element method. Granular Matter, 2022, 24, .	2.2	4
127	Effects of morphological gene decay and mutation on the micro–macro mechanical behaviours of granular soils. Geotechnique, 0, , 1-19.	4.0	4
128	Mesoscale Mechanism of Asphalt Track Bed in Reducing Cyclic Settlement of Ballast Layer under High-Speed Train Traffic Loads. Journal of Transportation Engineering Part B: Pavements, 2023, 149, .	1.5	2

#	ARTICLE	IF	CITATIONS
129	A terminal-velocity model for super-ellipsoidal particles. Advanced Powder Technology, 2022, 33, 103882.	4.1	1
130	Mixed-mode fracture of compacted tailing soils. I: Fracture toughness. Theoretical and Applied Fracture Mechanics, 2023, 124, 103670.	4.7	1
131	Effects of particle shape on triaxial compression behaviours of realistic ballast particles based on M-A-V-L particle shape evaluation system. Granular Matter, 2023, 25, .	2.2	2
132	Capability of discrete element method to investigate the macro-micro mechanical behaviours of granular soils considering different stress conditions and morphological gene mutation. Journal of Rock Mechanics and Geotechnical Engineering, 2023, 15, 2731-2745.	8.1	2
133	A Review of Particle Shape Effects on Material Properties for Various Engineering Applications: From Macro to Nanoscale. Minerals (Basel, Switzerland), 2023, 13, 91.	2.0	29
134	Particle shape transforms the driving of shear stress in granular materials. Powder Technology, 2023, 416, 118235.	4.2	2
135	An ellipsoid modelling method for discrete element simulation of wheat seeds. Biosystems Engineering, 2023, 226, 1-15.	4.3	5
136	Characterization of green peppers based on dynamic repose angle. LWT - Food Science and Technology, 2023, 180, 114703.	5.2	0
137	Modeling shear-induced solid-liquid transition of granular materials using persistent homology. Journal of the Mechanics and Physics of Solids, 2023, 176, 105307.	4.8	1
138	Physical, mechanical, cracking, and damage properties of mine tailings-based geopolymers: Experimental and numerical investigations. Journal of Building Engineering, 2023, 75, 107075.	3.4	0
139	A review on the simulation of aggregate morphologies in mixture performances based on discrete element method. Construction and Building Materials, 2023, 385, 131522.	7.2	5
140	Investigation on instability modes of sand under biaxial shearing accounting various specimen generation techniques in DEM. Advanced Powder Technology, 2023, 34, 104081.	4.1	1
141	Particle shape effects on submarine landslides via CFD-DEM. Ocean Engineering, 2023, 284, 115140.	4.3	5
142	On the influence of the natural shape of particles in multiphase fluid systems: Granular collapses. Computers and Geotechnics, 2023, 162, 105654.	4.7	4
143	Force transmission during repose of flexible granular chains. Soft Matter, 0, , .	2.7	0
144	The role of particle shape in computational modelling of granular matter. Nature Reviews Physics, 2023, 5, 505-525.	26.6	16
145	Review of Mesoscale Geometric Models of Concrete Materials. Buildings, 2023, 13, 2428.	3.1	2
147	Impact of particle elongation on the behavior of round and angular granular media: Consequences of particle rotation and force chain development. Computers and Geotechnics, 2024, 165, 105858.	4.7	1

#	ARTICLE	IF	CITATIONS
148	Revolutionizing granular matter simulations by high-performance ray tracing discrete element method for arbitrarily-shaped particles. Computer Methods in Applied Mechanics and Engineering, 2023, 416, 116370.	6.6	1
149	Exploring the undrained behaviour of granular clumps after isotropic and Ko-consolidation paths using DEM. Forces in Mechanics, 2023, 13, 100242.	2.8	1
150	Rheology of sheared polyhedral granular materials in inclined flows. Physics of Fluids, 2023, 35, .	4.0	1
151	On the use of packing models for the prediction of fluvial sediment porosity. Earth Surface Dynamics, 2023, 11, 1097-1115.	2.4	0
152	Optimization of freeze granulation and sintering behavior of MgO granules for thermal interface materials. Ceramics International, 2024, 50, 2128-2135.	4.8	0
153	DEM simulations using convex NURBS particles. Computational Particle Mechanics, 0, , .	3.0	0
154	Influence of particle shape on creep and stress relaxation behaviors of granular materials based on DEM. Computers and Geotechnics, 2024, 166, 105941.	4.7	2
155	Rheology of Granular Flow of Platonic Solid-Shaped Particles. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2024, , 164-177.	0.2	0
156	Calibration of Railway Ballast Modeling Using Level Set Discrete Element Method. Mechanisms and Machine Science, 2024, , 1-15.	0.5	0
157	Framework for incorporating multi-level morphology of particles in DEM simulations: independent control of polydisperse distributions of roundness and roughness while preserving form distributions in granular materials. Acta Geotechnica, 0, , .	5.7	0
158	Effect of particle morphology on stress and strain characteristics of granular materials during triaxial compression. Acta Geotechnica, 0, , .	5.7	0
159	Shape Effects on Shear Behavior of Superdisk Systems Studied by Level Set Discrete Element Method. Lecture Notes in Civil Engineering, 2024, , 359-371.	0.4	0
160	Exploring the role of particle-form polydispersity in the fabric of granular packing: Insights from DEM simulations with ellipsoidal particle assemblies. Powder Technology, 2024, 435, 119402.	4.2	0
161	Development of a GPU-based multisphere DE-â€FE coupling method for interaction simulations between an off-road tire and a gravel terrain. Powder Technology, 2024, 437, 119536.	4.2	0
162	Parameters affecting plug characteristics in dense phase pneumatic conveying of ellipsoidal particles. Powder Technology, 2024, 437, 119561.	4.2	0
163	Influence of gradation range on strong contact network in granular materials. Granular Matter, 2024, 26, .	2.2	0
164	Investigation of particle segregation in a vertically vibrated binary mixture: Segregation process and mechanism. Computers and Geotechnics, 2024, 169, 106236.	4.7	0
165	Shape-induced clusters of ellipsoids during triaxial compression: A multiscale analysis using LS-DEM. Computers and Geotechnics, 2024, 169, 106235.	4.7	0

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166	Elastic wave velocities during triaxial shearing influenced by particle morphology. Soils and Foundations, 2024, 64, 101443.	3.1	0