

Peng Yang

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

119
citations

1163117

8
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

44
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient 3D DEM-FEM contact detection algorithm for tire-sand interaction. Powder Technology, 2020, 360, 1102-1116.	4.2	18
2	Calibration and validation of DEM-FEM model parameters using upscaled particles based on physical experiments and simulations. Advanced Powder Technology, 2020, 31, 3947-3959.	4.1	18
3	Calibration of DEM-FEM model parameters for traction performance analysis of an off-road tire on gravel terrain. Powder Technology, 2020, 362, 350-361.	4.2	17
4	The interactions between an off-road tire and granular terrain: GPU-based DEM-FEM simulation and experimental validation. International Journal of Mechanical Sciences, 2020, 179, 105634.	6.7	17
5	DEM-FEM simulation of tire-sand interaction based on improved contact model. Computational Particle Mechanics, 2020, 7, 629-643.	3.0	15
6	Numerical analysis on tractive performance of off-road tire on gravel road using a calibrated finite element method-discrete element method model and experimental validation. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 3440-3457.	1.9	13
7	Experimental and Numerical Investigations of Tractive Performance of Off-Road Tires on Gravel Terrain. International Journal of Computational Methods, 2020, 17, 1950055.	1.3	10
8	Dynamic modeling and analysis of bundled linear ultrasonic motors with non-ideal driving. Ultrasonics, 2022, 124, 106717.	3.9	8
9	Development of an Anthropomorphic and Dexterous Dual-Arm System for Aerial Cooperative Bimanual Manipulation. Machines, 2022, 10, 273.	2.2	2
10	Evaluating behavioral process similarity of mechanical products in redesign for functional adaptability. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 2211-2222.	2.1	1