Darius Markauskas

List of Publications by Year in descending order

36 papers	738 citations	687363 13 h-index	526287 27 g-index
37 all docs	37 docs citations	37 times ranked	559 citing authors

#	Article	IF	Citations
1	Investigation of adequacy of multi-sphere approximation of elliptical particles for DEM simulations. Granular Matter, 2010, 12, 107-123.	2.2	185
2	Investigation of rice grain flow by multi-sphere particle model with rolling resistance. Granular Matter, 2011, 13, 143-148.	2.2	91
3	Maize grain shape approaches for DEM modelling. Computers and Electronics in Agriculture, 2015, 118, 247-258.	7.7	86
4	Parallel discrete element simulation of poly-dispersed granular material. Advances in Engineering Software, 2010, 41, 52-63.	3.8	61
5	Comparative study on mesh-based and mesh-less coupled CFD-DEM methods to model particle-laden flow. Powder Technology, 2017, 305, 78-88.	4.2	40
6	Numerical particle-based analysis of the effects responsible for acoustic particle agglomeration. Advanced Powder Technology, 2015, 26, 698-704.	4.1	37
7	COMPACTING OF PARTICLES FOR BIAXIAL COMPRESSION TEST BY THE DISCRETE ELEMENT METHOD. Journal of Civil Engineering and Management, 2006, 12, 153-161.	3.5	29
8	Numerical analysis of wet plastic particle separation using a coupled DEM-SPH method. Powder Technology, 2018, 325, 218-227.	4.2	28
9	Coupled DEM-SPH simulations of wet continuous screening. Advanced Powder Technology, 2019, 30, 2997-3009.	4.1	24
10	Discrete element simulating the hydrodynamic effects in acoustic agglomeration of micron-sized particles. Particulate Science and Technology, 2016, 34, 453-460.	2.1	23
11	The comparison of two domain repartitioning methods used for parallel discrete element computations of the hopper discharge. Advances in Engineering Software, 2015, 84, 68-76.	3.8	20
12	Computation and visualization of discrete particle systems on gLite-based grid. Advances in Engineering Software, 2011, 42, 237-246.	3.8	17
13	SENSITIVITY OF DYNAMIC BEHAVIOUR OF THE FE MODEL: CASE STUDY FOR THE IGNALINA NPP REACTOR BUILDING. Journal of Civil Engineering and Management, 2008, 14, 121-129.	3.5	13
14	Simulation of Acoustic Particle Agglomeration in Poly-dispersed Aerosols. Procedia Engineering, 2015, 102, 1218-1225.	1.2	13
15	Comparative evaluation of normal viscoelastic contact force models in low velocity impact situations. Advanced Powder Technology, 2016, 27, 1367-1379.	4.1	13
16	Comparative numerical study of pneumatic conveying of flexible elongated particles through a pipe bend by DEM-CFD. Powder Technology, 2022, 399, 117170.	4.2	9
17	Critical Assessment of Visco-elastic Damping Models Used in DEM Simulations. Procedia Engineering, 2015, 102, 1415-1425.	1.2	7
18	Visualization of cracks by using the local Voronoi decompositions and distributed software. Advances in Engineering Software, 2015, 84, 85-94.	3.8	7

#	Article	IF	Citations
19	Testing and numerical simulation of Holocene marine sand uniaxial compression along the Lithuanian coast. Baltica, 2014, 27, 33-44.	0.3	6
20	An investigation of nonlinear tangential contact behaviour of a spherical particle under varying loading. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2012, 60, 265-278.	0.8	5
21	Adapting the discrete element method to simulation of acoustic agglomeration of aerosol particles. AIP Conference Proceedings, 2015, , .	0.4	4
22	Reanalysis of the floor response spectra of the Ignalina Nuclear Power Plant Reactor Building. Nuclear Engineering and Design, 2017, 324, 260-268.	1.7	4
23	DYNAMIC DOMAIN DECOMPOSITION APPLIED TO HOPPER DISCHARGE SIMULATION BY DISCRETE ELEMENT METHOD. Information Technology and Control, 2011, 40, .	2.1	4
24	Numerical Investigation of Thirdâ€Body Behavior in Dry and Wet Environments under Plane Shearing. Chemical Engineering and Technology, 2016, 39, 1497-1508.	1.5	3
25	Packing of Polydispersed Discs into Containers of Regular Shape. Particulate Science and Technology, 2011, 29, 28-39.	2.1	2
26	Advances in Modeling of the Kerf Formation considering the Primary and Deflection Jets for the Abrasive Water Jet Technology. Procedia CIRP, 2021, 102, 156-161.	1.9	2
27	NUMERIC ANALYSIS OF LARGE PENETRATION OF THE CONE IN UNDRAINED SOIL USING FEM. Journal of Civil Engineering and Management, 2003, 9, 122-131.	3.5	1
28	Parallel Computations of Hopper Discharge employing Dynamic Domain Decomposition. , 0, , .		1
29	Numerical analysis of wet separation of particles by density differences. AIP Conference Proceedings, 2017, , .	0.4	0
30	Seismic risk assessment of the Ignalina NPP refuelling machine. WIT Transactions on the Built Environment, 2007, , .	0.0	0
31	CELL ATTRIBUTE-BASED ALGORITHM FOR CRACK VISUALIZATION. Information Technology and Control, 2013, 42, .	2.1	0
32	Development of a Dynamic-Physical Process Model for Sieving. , 2020, , 141-198.		0
33	Computation and Visualization of Poly-Dispersed Particle Systems on gLite Grid. , 0, , .		0
34	Analysis of Crack Geometry using Distributed Visualization Software. , 0, , .		0
35	VisPartDEM: Grid Visualization Tool for Particle Systems. , 0, , .		0
36	Parallel Discrete Element Simulation of a Heterogeneous Particle System. , 0, , .		0