

Arman Pazouki

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

229
citations

1478505

6
h-index

1588992

8
g-index

8
all docs

8
docs citations

8
times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	Chrono: An Open Source Multi-physics Dynamics Engine. Lecture Notes in Computer Science, 2016, , 19-49.	1.3	105
2	CHRONO: a parallel multi-physics library for rigid-body, flexible-body, and fluid dynamics. Mechanical Sciences, 2013, 4, 49-64.	1.0	55
3	Parallel collision detection of ellipsoids with applications in large scale multibody dynamics. Mathematics and Computers in Simulation, 2012, 82, 879-894.	4.4	21
4	A numerical study of the effect of particle properties on the radial distribution of suspensions in pipe flow. Computers and Fluids, 2015, 108, 1-12.	2.5	19
5	A High Performance Computing Approach to the Simulation of Fluid-Solid interaction Problems with Rigid and Flexible Components. Archive of Mechanical Engineering, 2014, 61, 227-251.	0.7	13
6	A differential variational approach for handling fluid-solids interaction problems via smoothed particle hydrodynamics. Journal of Computational Physics, 2018, 371, 92-110.	3.8	8
7	Numerical investigation of microfluidic sorting of microtissues. Computers and Mathematics With Applications, 2016, 72, 251-263.	2.7	6
8	Instability of smoothed particle hydrodynamics applied to Poiseuille flows. Computers and Mathematics With Applications, 2018, 76, 1447-1457.	2.7	2