

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