

Juan Luis Prieto

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Viscoelastic Effects on Drop Deformation Using a Machine Learning-Enhanced, Finite Element method. <i>Polymers</i> , 2020, 12, 1652.	4.5	3
2	An anisotropic adaptive, Lagrange-Galerkin numerical method for spray combustion. <i>Journal of Computational Physics</i> , 2019, 381, 246-274.	3.8	4
3	A-SLEIPNNIR: A multiscale, anisotropic adaptive, particle level set framework for moving interfaces. Transport equation applications. <i>Journal of Computational Physics</i> , 2019, 377, 89-116.	3.8	7
4	SLEIPNNIR: A multiscale, particle level set method for Newtonian and non-Newtonian interface flows. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 307, 164-192.	6.6	5
5	Multi-scale Simulation of Newtonian and Non-Newtonian Multi-phase Flows. <i>Computational Methods in Applied Sciences (Springer)</i> , 2016, , 379-398.	0.3	0
6	An RBF-reconstructed, polymer stress tensor for stochastic, particle-based simulations of non-Newtonian, multiphase flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 227, 90-99.	2.4	5
7	A local anisotropic adaptive algorithm for the solution of low-Mach transient combustion problems. <i>Journal of Computational Physics</i> , 2016, 306, 19-42.	3.8	21
8	Stochastic particle level set simulations of buoyancy-driven droplets in non-Newtonian fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 226, 16-31.	2.4	12
9	An anisotropic, fully adaptive algorithm for the solution of convection-dominated equations with semi-Lagrangian schemes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2014, 273, 77-99.	6.6	20
10	A Semi-Lagrangian Particle Level Set Finite Element Method for Interface Problems. <i>SIAM Journal of Scientific Computing</i> , 2013, 35, A1815-A1846.	2.8	8
11	Anisotropic Goal-Oriented Mesh Adaptivity for Elliptic Problems. <i>SIAM Journal of Scientific Computing</i> , 2013, 35, A861-A885.	2.8	23
12	A semi-Lagrangian micro-macro method for viscoelastic flow calculations. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 120-135.	2.4	9
13	Stochastic semi-Lagrangian micro-macro calculations of liquid crystalline solutions in complex flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 185-195.	2.4	4
14	A Stochastic Semi-Lagrangian Micro-Macro Model for Liquid Crystalline Solutions. , 2009, , .		1