

Juan Luis Prieto

List of Publications by Year in descending order

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14
papers

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1307594

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14
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14
docs citations

14
times ranked

82
citing authors

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