

Abderrahim Ouazzi

List of Publications by Year in descending order

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papers

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all docs

26
docs citations

26
times ranked

232
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolithic Newtonâ€multigrid FEM for the simulation of thixotropic flow problems. Proceedings in Applied Mathematics and Mechanics, 2021, 21, .	0.2	2
2	The Tensor Diffusion approach for simulating viscoelastic fluids. Journal of Non-Newtonian Fluid Mechanics, 2020, 286, 104431.	2.4	3
3	Natural Convection and Separation Points of a Non-Newtonian Fluid Along a Rotating Round-Nosed Body. Journal of Thermophysics and Heat Transfer, 2018, 32, 946-952.	1.6	4
4	A curvatureâ€free multiphase flow solver via surface stressâ€based formulation. International Journal for Numerical Methods in Fluids, 2018, 88, 18-31.	1.6	1
5	Numerical benchmarking of granular flow with shear dependent incompressible flow models. Journal of Non-Newtonian Fluid Mechanics, 2018, 262, 92-106.	2.4	1
6	A comparative study of mixed least-squares FEMs for the incompressible Navier-Stokes equations. International Journal of Computational Science and Engineering, 2018, 17, 80.	0.5	1
7	Heat transfer analysis of Casson dusty fluid flow along a vertical wavy cone with radiating surface. International Journal of Heat and Mass Transfer, 2018, 127, 589-596.	4.8	13
8	Modified Newton Solver for Yield Stress Fluids. Lecture Notes in Computational Science and Engineering, 2016, , 481-490.	0.3	5
9	Numerical Simulation of Polymer Film Stretching. Lecture Notes in Computational Science and Engineering, 2015, , 709-716.	0.3	1
10	Newton multigrid least-squares FEM for the V-V-P formulation of the Navierâ€Stokes equations. Journal of Computational Physics, 2014, 256, 416-427.	3.8	18
11	Least-squares finite element methods for the Navier-Stokes equations for generalized Newtonian fluids. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 623-624.	0.2	1
12	Extended One-Step Methods for Solving Delay- Differential Equations. Applied Mathematics and Information Sciences, 2014, 8, 941-948.	0.5	0
13	Monolithic Newtonâ€multigrid solution techniques for incompressible nonlinear flow models. International Journal for Numerical Methods in Fluids, 2013, 71, 208-222.	1.6	11
14	Influence of higher interpolation orders in mixed LSFEM for the incompressible Navier-Stokes equations. Proceedings in Applied Mathematics and Mechanics, 2013, 13, 301-302.	0.2	2
15	Performance aspects of a mixed s-v LSFEM for the incompressible Navier-Stokes equations with improved mass conservation. Proceedings in Applied Mathematics and Mechanics, 2013, 13, 513-514.	0.2	6
16	Numerical Simulation of a Rising Bubble in Viscoelastic Fluids. , 2013, , 489-497.		2
17	FEM multigrid techniques for fluidâ€structure interaction with application to hemodynamics. Applied Numerical Mathematics, 2012, 62, 1156-1170.	2.1	24
18	New robust nonconforming finite elements of higher order. Applied Numerical Mathematics, 2012, 62, 166-184.	2.1	9

#	ARTICLE	IF	CITATIONS
19	An investigation of frictional and collisional powder flows using a unified constitutive equation. Powder Technology, 2010, 197, 91-101.	4.2	30
20	A monolithic FEM approach for the log-conformation reformulation (LCR) of viscoelastic flow problems. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 1105-1113.	2.4	44
21	On pressure separation algorithms (PSepA) for improving the accuracy of incompressible flow simulations. International Journal for Numerical Methods in Fluids, 2009, 59, 387-403.	1.6	6
22	A monolithic FEM-multigrid solver for non-isothermal incompressible flow on general meshes. Journal of Computational Physics, 2009, 228, 3869-3881.	3.8	29
23	Finite element methods for the simulation of incompressible powder flow. Communications in Numerical Methods in Engineering, 2005, 21, 581-596.	1.3	6
24	Multigrid methods for stabilized nonconforming finite elements for incompressible flow involving the deformation tensor formulation. Journal of Numerical Mathematics, 2002, 10, .	3.5	12
25	A mixed formulation of the Stokes equation in terms of (\tilde{v}, p, u) . Numerical Algorithms, 1999, 21, 343-352.	1.9	2
26	Monolithic Finite Element Method for the simulation of thixo-viscoplastic flows. , 0, , .		1