Abderrahim Ouazzi

List of Publications by Year
in descending order

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26	234	1040056	996975
papers	citations	9	15
		h-index	g-index

26	26	26	232
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	An investigation of frictional and collisional powder flows using a unified constitutive equation. Powder Technology, 2010, 197, 91-101.	4.2	30
3	A monolithic FEM-multigrid solver for non-isothermal incompressible flow on general meshes. Journal of Computational Physics, 2009, 228, 3869-3881.	3.8	29
4	FEM multigrid techniques for fluidâ€“structure interaction with application to hemodynamics. Applied Numerical Mathematics, 2012, 62, 1156-1170.	2.1	24
5	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
6	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
7	Multigrid methods for stabilized nonconforming finite elements for incompressible flow involving the deformation tensor formulation. Journal of Numerical Mathematics, 2002, 10, .	3.5	12
8	Monolithic Newtonâ€multigrid solution techniques for incompressible nonlinear flow models. International Journal for Numerical Methods in Fluids, 2013, 71, 208-222.	1.6	11
9	New robust nonconforming finite elements of higher order. Applied Numerical Mathematics, 2012, 62, 166-184.	2.1	9
10	Finite element methods for the simulation of incompressible powder flow. Communications in Numerical Methods in Engineering, 2005, 21, 581-596.	1.3	6
11	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
12	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
13	Modified Newton Solver for Yield Stress Fluids. Lecture Notes in Computational Science and Engineering, 2016, , 481-490.	0.3	5
14	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
15	The Tensor Diffusion approach for simulating viscoelastic fluids. Journal of Non-Newtonian Fluid Mechanics, 2020, 286, 104431.	2.4	3
16	A mixed formulation of the Stokes equation in terms of (ï‰,p,u). Numerical Algorithms, 1999, 21, 343-352.	1.9	2
17	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
18	Numerical Simulation of a Rising Bubble in Viscoelastic Fluids. , 2013, , 489-497.		2

#	Article	IF	Citations
19	Monolithic Newtonâ€multigrid FEM for the simulation of thixotropic flow problems. Proceedings in Applied Mathematics and Mechanics, 2021, 21, .	0.2	2
20	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
21	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
22	Numerical benchmarking of granular flow with shear dependent incompressible flow models. Journal of Non-Newtonian Fluid Mechanics, 2018, 262, 92-106.	2.4	1
23	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
24	Numerical Simulation of Polymer Film Stretching. Lecture Notes in Computational Science and Engineering, 2015, , 709-716.	0.3	1
25	Monolithic Finite Element Method for the simulation of thixo-viscoplastic flows. , 0, , .		1
26	Extended One-Step Methods for Solving Delay- Differential Equations. Applied Mathematics and Information Sciences, 2014, 8, 941-948.	0.5	0