

Jean-Michel Ghidaglia

List of Publications by Year in descending order

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18
papers

499
citations

1040056

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940533

16
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all docs

18
docs citations

18
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Weakly damped forced Korteweg-de Vries equations behave as a finite dimensional dynamical system in the long time. <i>Journal of Differential Equations</i> , 1988, 74, 369-390.	2.2	131
2	Slamming: Recent Progress in the Evaluation of Impact Pressures. <i>Annual Review of Fluid Mechanics</i> , 2018, 50, 243-273.	25.0	89
3	On the numerical solution to two fluid models via a cell centered finite volume method. <i>European Journal of Mechanics, B/Fluids</i> , 2001, 20, 841-867.	2.5	71
4	Some backward uniqueness results. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1986, 10, 777-790.	1.1	61
5	The normal flux method at the boundary for multidimensional finite volume approximations in CFD. <i>European Journal of Mechanics, B/Fluids</i> , 2005, 24, 1-17.	2.5	29
6	Error Estimate and the Geometric Corrector for the Upwind Finite Volume Method Applied to the Linear Advection Equation. <i>SIAM Journal on Numerical Analysis</i> , 2005, 43, 578-603.	2.3	29
7	A two-fluid model for violent aerated flows. <i>Computers and Fluids</i> , 2010, 39, 283-293.	2.5	26
8	A totally Eulerian finite volume solver for multi-material fluid flows: Enhanced Natural Interface Positioning (ENIP). <i>European Journal of Mechanics, B/Fluids</i> , 2012, 31, 1-11.	2.5	16
9	Long time behaviour of solutions of abstract inequalities: Applications to thermo-hydraulic and magnetohydrodynamic equations. <i>Journal of Differential Equations</i> , 1986, 61, 268-294.	2.2	15
10	Error estimate for the upwind finite volume method for the nonlinear scalar conservation law. <i>Journal of Computational and Applied Mathematics</i> , 2011, 235, 5394-5410.	2.0	7
11	An Eulerian finite volume solver for multi-material fluid flows with cylindrical symmetry. <i>Computers and Fluids</i> , 2013, 83, 170-176.	2.5	6
12	Theoretical analysis of the upwind finite volume scheme on the counter-example of Peterson. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2010, 44, 1279-1293.	1.9	5
13	Numerical simulation of wave impacts with interfacial phase change: An isothermal averaged model. <i>European Journal of Mechanics, B/Fluids</i> , 2018, 72, 631-644.	2.5	5
14	An optimal error estimate for upwind Finite Volume methods for nonlinear hyperbolic conservation laws. <i>Applied Numerical Mathematics</i> , 2011, 61, 1114-1131.	2.1	4
15	Numerical simulation of wave impacts with interfacial phase change: An interface reconstruction scheme. <i>European Journal of Mechanics, B/Fluids</i> , 2019, 76, 352-364.	2.5	3
16	Violent flows in aqueous foam II: Simulation platform and results. <i>European Journal of Mechanics, B/Fluids</i> , 2015, 54, 105-124.	2.5	2
17	Upper bounds on the Lyapunov exponents for dissipative perturbations of infinite dimensional Hamiltonian systems. , 1989, , 113-126.		0
18	A REGULARIZED STIFFENED-GAS EQUATION OF STATE. <i>Journal of Applied Analysis and Computation</i> , 2018, 8, 675-689.	0.5	0