

Omar Lakkis

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

469
citations

759233

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940533

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g-index

20
all docs

20
docs citations

20
times ranked

232
citing authors

#	ARTICLE	IF	CITATIONS
1	Elliptic reconstruction and a posteriori error estimates for fully discrete linear parabolic problems. <i>Mathematics of Computation</i> , 2006, 75, 1627-1658.	2.1	103
2	Finite element method for epitaxial growth with attachment–detachment kinetics. <i>Journal of Computational Physics</i> , 2004, 194, 409-434.	3.8	47
3	A Posteriori Error Control for Discontinuous Galerkin Methods for Parabolic Problems. <i>SIAM Journal on Numerical Analysis</i> , 2011, 49, 427-458.	2.3	43
4	A Finite Element Method for Nonlinear Elliptic Problems. <i>SIAM Journal of Scientific Computing</i> , 2013, 35, A2025-A2045.	2.8	38
5	A Finite Element Method for Second Order Nonvariational Elliptic Problems. <i>SIAM Journal of Scientific Computing</i> , 2011, 33, 786-801.	2.8	36
6	A Posteriori Error Estimates in the Maximum Norm for Parabolic Problems. <i>SIAM Journal on Numerical Analysis</i> , 2009, 47, 2157-2176.	2.3	34
7	Implicit–Explicit Timestepping with Finite Element Approximation of Reaction–Diffusion Systems on Evolving Domains. <i>SIAM Journal on Numerical Analysis</i> , 2013, 51, 2309-2330.	2.3	29
8	Noise regularization and computations for the 1-dimensional stochastic Allen–Cahn problem. <i>Interfaces and Free Boundaries</i> , 2007, 9, 1-30.	0.8	26
9	A posteriori L^2 -error bounds for finite element approximations to the wave equation. <i>IMA Journal of Numerical Analysis</i> , 2013, 33, 1245-1264.	2.9	24
10	Global existence for semilinear reaction–diffusion systems on evolving domains. <i>Journal of Mathematical Biology</i> , 2012, 64, 41-67.	1.9	23
11	A Posteriori Error Analysis for the Mean Curvature Flow of Graphs. <i>SIAM Journal on Numerical Analysis</i> , 2005, 42, 1875-1898.	2.3	17
12	Gradient recovery in adaptive finite-element methods for parabolic problems. <i>IMA Journal of Numerical Analysis</i> , 2012, 32, 246-278.	2.9	15
13	A Posteriori Error Estimates for Leap-Frog and Cosine Methods for Second Order Evolution Problems. <i>SIAM Journal on Numerical Analysis</i> , 2016, 54, 120-136.	2.3	13
14	A comparison of duality and energy a posteriori estimates for $\mathcal{L}_{\infty}(0,T;\mathcal{H})$ Tj ETQq0 0 0 rgBT./Overlock 10 Tf 50 2	2.1	10
15	A posteriori error bounds for fully-discrete hp-discontinuous Galerkin timestepping methods for parabolic problems. <i>Numerische Mathematik</i> , 2021, 148, 363-386.	1.9	4
16	A Posteriori Error Bounds for Discontinuous Galerkin Methods for Quasilinear Parabolic Problems. , 2010, , 351-358.		1
17	A least-squares Galerkin approach to gradient and Hessian recovery for nondivergence-form elliptic equations. <i>IMA Journal of Numerical Analysis</i> , 0, , .	2.9	1
18	A Saint-Venant Model for Overland Flows with Precipitation and Recharge. <i>Mathematical and Computational Applications</i> , 2021, 26, 1.	1.3	0