

# Omar Lakkis

## List of Publications by Year in descending order

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18  
papers

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759233

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times ranked

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#	ARTICLE	IF	CITATIONS
1	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
2	A Saint-Venant Model for Overland Flows with Precipitation and Recharge. <i>Mathematical and Computational Applications</i> , 2021, 26, 1.	1.3	0
3	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
4	A comparison of duality and energy a posteriori estimates for $L^2(0, T; \mathbf{T})$ overlock 10 Tf 50 6	2.1	10
5	A Finite Element Method for Nonlinear Elliptic Problems. <i>SIAM Journal of Scientific Computing</i> , 2013, 35, A2025-A2045.	2.8	38
6	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
7	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
8	Gradient recovery in adaptive finite-element methods for parabolic problems. <i>IMA Journal of Numerical Analysis</i> , 2012, 32, 246-278.	2.9	15
9	Global existence for semilinear reaction-diffusion systems on evolving domains. <i>Journal of Mathematical Biology</i> , 2012, 64, 41-67.	1.9	23
10	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
11	A Finite Element Method for Second Order Nonvariational Elliptic Problems. <i>SIAM Journal of Scientific Computing</i> , 2011, 33, 786-801.	2.8	36
12	A Posteriori Error Bounds for Discontinuous Galerkin Methods for Quasilinear Parabolic Problems. , 2010, , 351-358.		1
13	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
14	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
15	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
16	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
17	Finite element method for epitaxial growth with attachment-detachment kinetics. <i>Journal of Computational Physics</i> , 2004, 194, 409-434.	3.8	47
18	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