## Abner J Salgado

## List of Publications by Year

 in descending orderSource: https:||exaly.com/author-pdf/4164063/publications.pdf
Version: 2024-02-01

A PDE Approach to Fractional Diffusion in General Domains: A Priori Error Analysis. Foundations of
Computational Mathematics, 2015, 15, 733-791.

2 A splitting method for incompressible flows with variable density based on a pressure Poisson
11 A DIFFUSE INTERFACE MODEL FOR ELECTROWETTING WITH MOVING CONTACT LINES. Mathematical Models and Methods in Applied Sciences, 2014, 24, 67-111.
$3.3 \quad 36$
Tensor FEM for Spectral Fractional Diffusion. Foundations of Computational Mathematics, 2019, 19,
901-962.2.5342.133$13 \quad \begin{aligned} & \text { Multilevel methods for nonuniformly } \\ & \text { Computation, 2016, 85, 2583-2607. }\end{aligned}$2.1
$\square$

14 Optimization with Respect to Order in a Fractional Diffusion Model: Analysis, Approximation and Algorithmic Aspects. Journal of Scientific Computing, 2018, 77, 204-224.

15 Discrete Total Variation Flows without Regularization. SIAM Journal on Numerical Analysis, 2014, 52,
25 The Poisson and Stokes problems on weighted spaces in Lipschitz domains and under singular forcing. Journal of Mathematical Analysis and Applications, 2019, 471, 599-612.$1.0 \quad 12$
Finite Element Approximation of the Parabolic Fractional Obstacle Problem. SIAM Journal on Numerical Analysis, 2016, 54, 2619-2639.
27 Sparse Optimal Control for Fractional Diffusion. Computational Methods in Applied Mathematics,
29 Finite element approximation of the Isaacs equation. ESAIM: Mathematical Modelling and Numerical Analysis, 2019, 53, 351-374.

37 A note on the Stokes operator and its powers. Journal of Applied Mathematics and Computing, 2011, 36, 241-250.

A weighted setting for the stationary Navier Stokes equations under singular forcing. Applied

| 41 | Finite element approximation of an obstacle problem for a class of integroâ€"differential operators. ESAIM: Mathematical Modelling and Numerical Analysis, 2020, 54, 229-253. | 1.9 | 5 |
| :---: | :---: | :---: | :---: |
| 42 | On the analysis and approximation of some models of fluids over weighted spaces on convex polyhedra. Numerische Mathematik, 2022, 151, 185. | 1.9 | 4 |
| 43 | The Mongeâ€"AmpÃ"re equation. Handbook of Numerical Analysis, 2020, 21, 105-219. | 1.8 | 3 |
| 44 | The stationary Boussinesq problem under singular forcing. Mathematical Models and Methods in Applied Sciences, 2021, 31, 789-827. | 3.3 | 3 |
| 45 | Preconditioned Accelerated Gradient Descent Methods for Locally Lipschitz Smooth Objectives with Applications to the Solution of Nonlinear PDEs. Journal of Scientific Computing, 2021, 89, 1. | 2.3 | 3 |
| 46 | Maximumâ€"norm a posteriori error estimates for an optimal control problem. Computational Optimization and Applications, 2019, 73, 997-1017. | 1.6 | 2 |
| 47 | An a posteriori error analysis of an elliptic optimal control problem in measure space. Computers and Mathematics With Applications, 2019, 77, 2659-2675. | 2.7 | 2 |
| 48 | Estimation of the continuity constants for BogovskiÄ-and regularized PoincarÃ® integral operators. Journal of Mathematical Analysis and Applications, 2021, 502, 125246. | 1.0 | 2 |
| 49 | Approximation of elliptic equations with bmo coefficients. IMA Journal of Numerical Analysis, 0, , drv001. | 2.9 | 0 |

The Darcy problem with porosity depending exponentially on the pressure. Journal of Computational and Applied Mathematics, 2021, 398, 113642.

