

Mariano Mateos

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8665196/mariano-mateos-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

458
citations

11
h-index

21
g-index

38
ext. papers

527
ext. citations

1.3
avg, IF

3.96
L-index

#	Paper	IF	Citations
33	Error Estimates for the Numerical Approximation of Boundary Semilinear Elliptic Control Problems. <i>Computational Optimization and Applications</i> , 2005 , 31, 193-219	1.4	81
32	Second Order Optimality Conditions for Semilinear Elliptic Control Problems with Finitely Many State Constraints. <i>SIAM Journal on Control and Optimization</i> , 2002 , 40, 1431-1454	1.9	60
31	Error Estimates for the Numerical Approximation of a Distributed Control Problem for the Steady-State Navier-Stokes Equations. <i>SIAM Journal on Control and Optimization</i> , 2007 , 46, 952-982	1.9	41
30	Error estimates for the numerical approximation of Neumann control problems. <i>Computational Optimization and Applications</i> , 2008 , 39, 265-295	1.4	34
29	Penalization of Dirichlet optimal control problems. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2009 , 15, 782-809	1	30
28	New regularity results and improved error estimates for optimal control problems with state constraints. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2014 , 20, 803-822	1	27
27	On the Regularity of the Solutions of Dirichlet Optimal Control Problems in Polygonal Domains. <i>SIAM Journal on Control and Optimization</i> , 2015 , 53, 3620-3641	1.9	25
26	On saturation effects in the Neumann boundary control of elliptic optimal control problems. <i>Computational Optimization and Applications</i> , 2011 , 49, 359-378	1.4	20
25	A New HDG Method for Dirichlet Boundary Control of Convection Diffusion PDEs II: Low Regularity. <i>SIAM Journal on Numerical Analysis</i> , 2018 , 56, 2262-2287	2.4	17
24	Error estimates for Dirichlet control problems in polygonal domains: Quasi-uniform meshes. <i>Mathematical Control and Related Fields</i> , 2018 , 8, 217-245	1.5	17
23	Pontryagin's principle for the control of parabolic equations with gradient state constraints. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2001 , 46, 933-956	1.3	15
22	Dirichlet control of elliptic state constrained problems. <i>Computational Optimization and Applications</i> , 2016 , 63, 825-853	1.4	10
21	Finite element approximation of sparse parabolic control problems. <i>Mathematical Control and Related Fields</i> , 2017 , 7, 393-417	1.5	10
20	Error Estimates for Semilinear Parabolic Control Problems in the Absence of Tikhonov Term. <i>SIAM Journal on Control and Optimization</i> , 2019 , 57, 2515-2540	1.9	8
19	Critical Cones for Sufficient Second Order Conditions in PDE Constrained Optimization. <i>SIAM Journal on Optimization</i> , 2020 , 30, 585-603	2	8
18	Improved approximation rates for a parabolic control problem with an objective promoting directional sparsity. <i>Computational Optimization and Applications</i> , 2018 , 70, 239-266	1.4	7
17	Numerical approximation of elliptic control problems with finitely many pointwise constraints. <i>Computational Optimization and Applications</i> , 2012 , 51, 1319-1343	1.4	7

16	A Paradox in the Approximation of Dirichlet Control Problems in Curved Domains.. <i>SIAM Journal on Control and Optimization</i> , 2011 , 49, 1998-2007	1.9	7
15	Necessary and Sufficient Optimality Conditions for Optimization Problems in Function Spaces and Applications to Control Theory. <i>ESAIM: Proceedings and Surveys</i> , 2003 , 13, 18-30		7
14	Optimal Control of Partial Differential Equations. <i>SEMA SIMAI Springer Series</i> , 2017 , 3-59	0.2	6
13	Optimization methods for Dirichlet control problems. <i>Optimization</i> , 2018 , 67, 585-617	1.2	6
12	State Error Estimates for the Numerical Approximation of Sparse Distributed Control Problems in the Absence of Tikhonov Regularization. <i>Vietnam Journal of Mathematics</i> , 2021 , 49, 713-738	0.5	4
11	Analysis of control problems of nonmontone semilinear elliptic equations. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2020 , 26, 80	1	3
10	Analysis of a hybridizable discontinuous Galerkin scheme for the tangential control of the Stokes system. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2020 , 54, 2229-2264	1.8	2
9	Exponential Stability for the Schlägl System by Pyragas Feedback. <i>Vietnam Journal of Mathematics</i> , 2020 , 48, 769-790	0.5	1
8	Optimal time delays in a class of reaction-diffusion equations. <i>Optimization</i> , 2019 , 68, 255-278	1.2	1
7	Sparse Dirichlet optimal control problems. <i>Computational Optimization and Applications</i> , 2021 , 80, 271-300		1
6	Error Estimates for the Numerical Approximation of Boundary Semilinear Elliptic Control Problems. Continuous Piecewise Linear Approximations 2005 , 91-101		1
5	Analysis and Approximations of Dirichlet Boundary Control of Stokes Flows in the Energy Space. <i>SIAM Journal on Numerical Analysis</i> , 2022 , 60, 450-474	2.4	0
4	On saturation effects in the Neumann boundary control of elliptic optimal control problems. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007 , 7, 1060505-1060506	0.2	
3	Superconvergent Graded Meshes for an Elliptic Dirichlet Control Problem. <i>Lecture Notes in Computational Science and Engineering</i> , 2019 , 1-16	0.3	
2	Measure Control of a Semilinear Parabolic Equation with a Nonlocal Time Delay. <i>SIAM Journal on Control and Optimization</i> , 2018 , 56, 4434-4460	1.9	
1	Numerical approximation of control problems of non-monotone and non-coercive semilinear elliptic equations. <i>Numerische Mathematik</i> , 1	2.2	