

# Nadir Arada

## List of Publications by Year in Descending Order

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

26  
papers

318  
citations

8  
h-index

17  
g-index

26  
ext. papers

351  
ext. citations

1.6  
avg, IF

3.19  
L-index

#	Paper	IF	Citations
26	On the convergence of the two-dimensional second grade fluid model to the Navier-Stokes equation. <i>Journal of Differential Equations</i> , <b>2016</b> , 260, 2557-2586	2.1	5
25	On Generalized Newtonian Fluids in Curved Pipes. <i>SIAM Journal on Mathematical Analysis</i> , <b>2016</b> , 48, 1210-1249	1.7	249
24	Optimal Control of Evolutionary Quasi-Newtonian Fluids. <i>SIAM Journal on Control and Optimization</i> , <b>2014</b> , 52, 3401-3436	1.9	0
23	Regularity of flows and optimal control of shear-thinning fluids. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>2013</b> , 89, 81-94	1.3	2
22	Distributed control for multistate modified Navier-Stokes equations. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , <b>2013</b> , 19, 219-238	1	4
21	Optimal Control of Shear-Thickening Flows. <i>SIAM Journal on Control and Optimization</i> , <b>2013</b> , 51, 1940-1961	1.9	4
20	Optimal Control of Shear-Thinning Fluids. <i>SIAM Journal on Control and Optimization</i> , <b>2012</b> , 50, 2515-2542	1.9	11
19	A note on the regularity of flows with shear-dependent viscosity. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>2012</b> , 75, 5401-5415	1.3	3
18	Analysis and finite element simulations of a second-order fluid model in a bounded domain. <i>Numerical Methods for Partial Differential Equations</i> , <b>2007</b> , 23, 1468-1500	2.5	3
17	Viscosity effects on flows of generalized Newtonian fluids through curved pipes. <i>Computers and Mathematics With Applications</i> , <b>2007</b> , 53, 625-646	2.7	8
16	Steady Flows of Shear-Dependent Oldroyd-B Fluids around an Obstacle. <i>Journal of Mathematical Fluid Mechanics</i> , <b>2005</b> , 7, 451-483	1.4	8
15	Existence Results for Steady Flows of Quasi-Newtonian Fluids Using Weak Monotonicity. <i>Journal of Mathematical Fluid Mechanics</i> , <b>2005</b> , 7, S273-S288	1.4	1
14	Strong Steady Solutions for a Generalized Oldroyd-B Model with Shear-Dependent Viscosity in a Bounded Domain. <i>Mathematical Models and Methods in Applied Sciences</i> , <b>2003</b> , 13, 1303-1323	3.5	15
13	Dirichlet Boundary Control of Semilinear Parabolic Equations Part 1: Problems with No State Constraints. <i>Applied Mathematics and Optimization</i> , <b>2002</b> , 45, 125-143	1.5	13
12	Dirichlet Boundary Control of Semilinear Parabolic Equations Part 2: Problems with Pointwise State Constraints. <i>Applied Mathematics and Optimization</i> , <b>2002</b> , 45, 145-167	1.5	9
11	On an Augmented Lagrangian SQP Method for a Class of Optimal Control Problems in Banach Spaces. <i>Computational Optimization and Applications</i> , <b>2002</b> , 22, 369-398	1.4	7
10	Error Estimates for the Numerical Approximation of a Semilinear Elliptic Control Problem. <i>Computational Optimization and Applications</i> , <b>2002</b> , 23, 201-229	1.4	164

9	Relaxation of optimal control problems in $L_p$ -SPACES. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , <b>2001</b> , 6, 73-95	1	
8	Minimax Dirichlet boundary control problem with state constraints. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>2001</b> , 46, 653-673	1.3	1
7	Minimax Controls for Uncertain Parabolic Systems. <i>SIAM Journal on Control and Optimization</i> , <b>2000</b> , 38, 1481-1500	1.9	1
6	Optimal Control Problems with Mixed Control-State Constraints. <i>SIAM Journal on Control and Optimization</i> , <b>2000</b> , 39, 1391-1407	1.9	27
5	Approximation of optimal control problems with state constraints. <i>Numerical Functional Analysis and Optimization</i> , <b>2000</b> , 21, 601-621	1	
4	Optimality Conditions for State-Constrained Dirichlet Boundary Control Problems. <i>Journal of Optimization Theory and Applications</i> , <b>1999</b> , 102, 51-68	1.6	6
3	Minimax Control of Parabolic Systems with State Constraints. <i>SIAM Journal on Control and Optimization</i> , <b>1999</b> , 38, 254-271	1.9	12
2	Necessary Optimality Conditions for Control Problems and the Stone--Cech Compactification. <i>SIAM Journal on Control and Optimization</i> , <b>1999</b> , 37, 1011-1032	1.9	6
1	State-Constrained Relaxed Problems for Semilinear Elliptic Equations. <i>Journal of Mathematical Analysis and Applications</i> , <b>1998</b> , 223, 248-271	1.1	8