

# Irma ChacÃ³n

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

152  
citations

1307594

7  
h-index

1199594

12  
g-index

25  
all docs

25  
docs citations

25  
times ranked

33  
citing authors

#	ARTICLE	IF	CITATIONS
1	A convergent scheme for a non-local coupled system modelling dislocations densities dynamics. Mathematics of Computation, 2007, 77, 789-813.	2.1	23
2	Well-Posedness Theory for a Nonconservative Burgers-Type System Arising in Dislocation Dynamics. SIAM Journal on Mathematical Analysis, 2007, 39, 965-986.	1.9	18
3	Direct algorithm for multipolar sources reconstruction. Journal of Mathematical Analysis and Applications, 2015, 428, 306-336.	1.0	17
4	Global Existence for a System of Non-Linear and Non-Local Transport Equations Describing the Dynamics of Dislocation Densities. Archive for Rational Mechanics and Analysis, 2010, 196, 71-96.	2.4	14
5	GLOBAL CONTINUOUS SOLUTIONS FOR DIAGONAL HYPERBOLIC SYSTEMS WITH LARGE AND MONOTONE DATA. Journal of Hyperbolic Differential Equations, 2010, 07, 139-164.	0.5	11
6	Stability estimates for an inverse source problem of Helmholtz's equation from single Cauchy data at a fixed frequency. Inverse Problems, 2013, 29, 125008.	2.0	10
7	UNIQUENESS RESULTS FOR DIAGONAL HYPERBOLIC SYSTEMS WITH LARGE AND MONOTONE DATA. Journal of Hyperbolic Differential Equations, 2013, 10, 461-494.	0.5	8
8	Global existence results for eikonal equation with BV initial data. Nonlinear Differential Equations and Applications, 2015, 22, 947-978.	0.8	7
9	Global BV solution for a non-local coupled system modeling the dynamics of dislocation densities. Journal of Differential Equations, 2018, 264, 1750-1785.	2.2	7
10	Hölder stability estimates for some inverse pointwise source problems. Comptes Rendus Mathematique, 2012, 350, 1031-1035.	0.3	6
11	Lipschitz stability estimates for an inverse source problem in an elliptic equation from interior measurements. Applicable Analysis, 2016, 95, 1873-1890.	1.3	6
12	Short time existence and uniqueness in Hölder spaces for the 2D dynamics of dislocation densities. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2010, 27, 21-35.	1.4	5
13	Logarithmic stability estimates for an inverse source problem from interior measurements. Applicable Analysis, 2018, 97, 274-294.	1.3	5
14	Existence result for a one-dimensional eikonal equation. Comptes Rendus Mathematique, 2015, 353, 133-137.	0.3	3
15	Global existence to a diagonal hyperbolic system for any BV initial data. Nonlinearity, 2021, 34, 5485-5519.	1.4	3
16	\$BV\$ solution for a non-linear Hamilton-Jacobi system. Discrete and Continuous Dynamical Systems, 2021, 41, 3273.	0.9	2
17	Existence and Uniqueness of Continuous Solution for a Non-local Coupled System Modeling the Dynamics of Dislocation Densities. Journal of Nonlinear Science, 2021, 31, 1.	2.1	2
18	Global solution for a non-local eikonal equation modelling dislocation dynamics. Nonlinear Analysis: Theory, Methods & Applications, 2018, 168, 154-175.	1.1	1

#	ARTICLE	IF	CITATIONS
19	The Dirichlet problem for semilinear elliptic equations in an infinite sector. <i>Annali Di Matematica Pura Ed Applicata</i> , 2019, 198, 1551-1561.	1.0	1
20	Convergence of an implicit scheme for diagonal non-conservative hyperbolic systems. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2021, 55, S573-S591.	1.9	1
21	Some remarks on the small electromagnetic inhomogeneities reconstruction problem. <i>Inverse Problems and Imaging</i> , 2017, 11, 1027-1046.	1.1	1
22	Convergent semi-explicit scheme to a non-linear eikonal system. <i>BIT Numerical Mathematics</i> , 0, , .	2.0	1
23	Identification of physical parameters in pressing of rapeseeds from the oil flux measurements. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 8379-8405.	2.3	0
24	Continuous solution for a non-linear eikonal system. <i>Communications on Pure and Applied Analysis</i> , 2021, .	0.8	0
25	Identification and stability of small-sized dislocations using a direct algorithm. <i>Inverse Problems and Imaging</i> , 2021, .	1.1	0