Maria J Esteban

List of Publications by Year
in descending order

52 papers	976 citations	471509 17 h-index	477307 29 g-index
52 all docs	52 docs citations	52 times ranked	320 citing authors

#	Article	IF	Citations
1	Gagliardo-Nirenberg-Sobolev inequalities on planar graphs. Communications on Pure and Applied Analysis, 2022, .	0.8	0
2	Inequalities involving Aharonov–Bohm magnetic potentials in dimensions 2 and 3. Reviews in Mathematical Physics, 2021, 33, 2150006.	1.7	3
3	Dirac–Coulomb operators with general charge distribution II. The lowest eigenvalue. Proceedings of the London Mathematical Society, 2021, 123, 345.	1.3	6
4	Symmetry Results in Two-Dimensional Inequalities for Aharonov–Bohm Magnetic Fields. Communications in Mathematical Physics, 2020, 375, 2071-2087.	2.2	3
5	Improved Interpolation Inequalities and Stability. Advanced Nonlinear Studies, 2020, 20, 277-291.	1.7	4
6	Mathematical questions about the computation of eigenvalues of Dirac operators with critical potentials in atomic and molecular physics. Comptes Rendus Physique, 2020, 21, 177-183.	0.9	1
7	Interpolation Inequalities and Spectral Estimates for Magnetic Operators. Annales Henri Poincare, 2018, 19, 1439-1463.	1.7	3
8	Magnetic rings. Journal of Mathematical Physics, 2018, 59, 051504.	1.1	6
9	Symmetry for extremal functions in subcritical Caffarelli–Kohn–Nirenberg inequalities. Comptes Rendus Mathematique, 2017, 355, 133-154.	0.3	12
10	Onofri inequalities and rigidity results. Discrete and Continuous Dynamical Systems, 2017, 37, 3059-3078.	0.9	3
11	Interpolation inequalities on the sphere: linear vs. nonlinear flows. Annales De La Faculté Des Sciences De Toulouse, 2017, 26, 351-379.	0.3	5
12	Interpolation Inequalities, Nonlinear Flows, Boundary Terms, Optimality and Linearization. Journal of Elliptic and Parabolic Equations, 2016, 2, 267-295.	0.9	6
13	Rigidity versus symmetry breaking via nonlinear flows on cylinders and Euclidean spaces. Inventiones Mathematicae, 2016, 206, 397-440.	2.5	48
14	Rigidity results with applications to best constants and symmetry of Caffarelli-Kohn-Nirenberg and logarithmic Hardy inequalities. Calculus of Variations and Partial Differential Equations, 2015, 54, 2465-2481.	1.7	11
15	Keller–Lieb–Thirring inequalities for Schrödinger operators on cylinders. Comptes Rendus Mathematique, 2015, 353, 813-818.	0.3	2
16	The Moser-Trudinger-Onofri inequality. Chinese Annals of Mathematics Series B, 2015, 36, 777-802.	0.4	11
17	Branches of non-symmetric critical points and symmetry breaking in nonlinear elliptic partial differential equations. Nonlinearity, 2014, 27, 435-465.	1.4	10
18	One-dimensional Gagliardo-Nirenberg-Sobolev inequalities: remarks on duality and flows. Journal of the London Mathematical Society, 2014, 90, 525-550.	1.0	32

#	ARTICLE	IF	CITATIONS
19	Nonlinear flows and rigidity results on compact manifolds. Journal of Functional Analysis, 2014, 267, 1338-1363.	1.4	21
20	Improved interpolation inequalities on the sphere. Discrete and Continuous Dynamical Systems - Series S, 2014, 7, 695-724.	1.1	11
21	Spectral properties of Schrödinger operators on compact manifolds: Rigidity, flows, interpolation and spectral estimates. Comptes Rendus Mathematique, 2013, 351, 437-440.	0.3	10
22	Sharp Interpolation Inequalities on the Sphere: New Methods and Consequences. Chinese Annals of Mathematics Series B, 2013, 34, 99-112.	0.4	22
23	Ground States for a Stationary Mean-Field Model for a Nucleon. Annales Henri Poincare, 2013, 14, 1287-1303.	1.7	4
24	Symmetry of extremals of functional inequalities via spectral estimates for linear operators. Journal of Mathematical Physics, 2012, 53, .	1.1	15
25	SYMMETRIC GROUND STATES FOR A STATIONARY RELATIVISTIC MEAN-FIELD MODEL FOR NUCLEONS IN THE NON-RELATIVISTIC LIMIT. Reviews in Mathematical Physics, 2012, 24, 1250025.	1.7	6
26	Extremal functions for Caffarelli—Kohn—Nirenberg and logarithmic Hardy inequalities. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2012, 142, 745-767.	1.2	20
27	About Existence, Symmetry and Symmetry Breaking for Extremal Functions of Some Interpolation Functional Inequalities. Abel Symposia, 2012, , 117-130.	0.3	6
28	EXTREMAL FUNCTIONS IN SOME INTERPOLATION INEQUALITIES: SYMMETRY, SYMMETRY BREAKING AND ESTIMATES OF THE BEST CONSTANTS. , 2011, , .		2
29	Radial symmetry and symmetry breaking for some interpolation inequalities. Calculus of Variations and Partial Differential Equations, 2011, 42, 461-485.	1.7	21
30	Superlinear elliptic equation for fully nonlinear operators without growth restrictions for the data. Proceedings of the Edinburgh Mathematical Society, 2010, 53, 125-141.	0.3	18
31	Multiplicity results for the assigned Gauss curvature problem in. Nonlinear Analysis: Theory, Methods & Applications, 2009, 70, 2870-2881.	1.1	14
32	Variational methods in relativistic quantum mechanics. Bulletin of the American Mathematical Society, 2008, 45, 535-535.	1.5	86
33	SELF-ADJOINTNESS VIA PARTIAL HARDY-LIKE INEQUALITIES. , 2008, , .		8
34	Large Critical Exponents for Some Second Order Uniformly Elliptic Operators. Communications in Partial Differential Equations, 2007, 32, 543-556.	2.2	4
35	Hardy-type estimates for Dirac operators. Annales Scientifiques De L'Ecole Normale Superieure, 2007, 40, 885-900.	0.8	13
36	Self-adjointness for Dirac operators via Hardy-Dirac inequalities. Journal of Mathematical Physics, 2007, 48, .	1.1	44

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37	Relativistic Hydrogenic Atoms in Strong Magnetic Fields. Annales Henri Poincare, 2007, 8, 749-779.	1.7	12
38	Nonlinear eigenvalues and bifurcation problems for Pucci's operators. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2005, 22, 187-206.	1.4	63
39	Some Connections between Dirac-Fock and Electron-Positron Hartree-Fock. Annales Henri Poincare, 2005, 6, 85-102.	1.7	9
40	An improved Hardy-Sobolev inequality in W1,p and its application to Schrödinger operators. Nonlinear Differential Equations and Applications, 2005, 12, 243-263.	0.8	36
41	An analytical proof of Hardy-like inequalities related to the Dirac operator. Journal of Functional Analysis, 2004, 216, 1-21.	1.4	43
42	A variational method for relativistic computations in atomic and molecular physics. International Journal of Quantum Chemistry, 2003, 93, 149-155.	2.0	29
43	On Some Linear and Nonlinear Eigenvalue Problems in Relativistic Quantum Chemistry. , 2002, , 15-27.		1
44	On the Eigenvalues of Operators with Gaps. Application to Dirac Operators. Journal of Functional Analysis, 2000, 174, 208-226.	1.4	110
45	Existence of global branches of positive solutions for semilinear elliptic degenerate problems. Journal Des Mathematiques Pures Et Appliquees, 2000, 79, 715-740.	1.6	8
46	Variational characterization for eigenvalues of Dirac operators. Calculus of Variations and Partial Differential Equations, 2000, 10, 321-347.	1.7	41
47	Minimization Methods for the One-Particle Dirac Equation. Physical Review Letters, 2000, 85, 4020-4023.	7.8	46
48	Solutions of the Dirac-Fock Equations for Atomsˤand Molecules. Communications in Mathematical Physics, 1999, 203, 499-530.	2.2	55
49	Nonexistence result for positive solutions of nonlinear elliptic degenerate problems. Nonlinear Analysis: Theory, Methods & Applications, 1996, 26, 835-843.	1.1	7
50	Bound-state solutions of the Maxwell-Dirac and the Klein-Gordon-Dirac systems. Letters in Mathematical Physics, 1996, 38, 217-220.	1.1	17
51	Une revue sur quelques inégalités fonctionnelles et les propriétés de symétrie pour leurs fonctions extrémales. Séminaire Laurent Schwartz â€" EDP Et Applications, 0, , 1-13.	0.0	0
52	Diracâ€"Coulomb operators with general charge distribution I. Distinguished extension and min-max formulas. Annales Henri Lebesgue, 0, 4, 1421-1456.	0.0	8