

Roberta Musina

List of Publications by Year in descending order

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52
papers

733
citations

567281

15
h-index

580821

25
g-index

53
all docs

53
docs citations

53
times ranked

270
citing authors

#	ARTICLE	IF	CITATIONS
1	On a variational degenerate elliptic problem. <i>Nonlinear Differential Equations and Applications</i> , 2000, 7, 187-199.	0.8	92
2	On Fractional Laplacians. <i>Communications in Partial Differential Equations</i> , 2014, 39, 1780-1790.	2.2	84
3	On the existence of extremal functions for a weighted Sobolev embedding with critical exponent. <i>Calculus of Variations and Partial Differential Equations</i> , 1999, 8, 365-387.	1.7	55
4	Rellich inequalities with weights. <i>Calculus of Variations and Partial Differential Equations</i> , 2012, 45, 147-164.	1.7	34
5	Ground state solutions of a critical problem involving cylindrical weights. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2008, 68, 3972-3986.	1.1	33
6	Hardy-Poincaré inequalities with boundary singularities. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2012, 142, 769-786.	1.2	27
7	On Caffarelli-Kohn-Nirenberg-type Inequalities for the Weighted Biharmonic Operator in Cones. <i>Milan Journal of Mathematics</i> , 2011, 79, 657-687.	1.1	26
8	Entire solutions for a class of variational problems involving the biharmonic operator and Rellich potentials. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 3836-3848.	1.1	25
9	The Dirichlet Problem for H-Systems with Small Boundary Data: BlowUp Phenomena and Nonexistence Results. <i>Archive for Rational Mechanics and Analysis</i> , 2006, 181, 1-42.	2.4	21
10	On a Sobolev-type inequality related to the weighted p-Laplace operator. <i>Journal of Mathematical Analysis and Applications</i> , 2009, 352, 99-111.	1.0	21
11	Weighted Sobolev spaces of radially symmetric functions. <i>Annali Di Matematica Pura Ed Applicata</i> , 2014, 193, 1629-1659.	1.0	21
12	H-bubbles in a perturbative setting: The finite-dimensional reduction method. <i>Duke Mathematical Journal</i> , 2004, 122, 457.	1.5	19
13	HARDY-SOBOLEV-MAZ'YA INEQUALITIES: SYMMETRY AND BREAKING SYMMETRY OF EXTREMAL FUNCTIONS. <i>Communications in Contemporary Mathematics</i> , 2009, 11, 993-1007.	1.2	18
14	Strong maximum principles for fractional Laplacians. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2019, 149, 1223-1240.	1.2	17
15	On fractional Laplacians $\hat{\Delta}^s$. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2016, 33, 1667-1673.	1.4	16
16	EXISTENCE OF MINIMAL H-BUBBLES. <i>Communications in Contemporary Mathematics</i> , 2002, 04, 177-209.	1.2	15
17	On the Sobolev and Hardy constants for the fractional Navier Laplacian. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2015, 121, 123-129.	1.1	15
18	A note on the paper "Optimizing improved Hardy inequalities" by S. Filippas and A. Tertikas. <i>Journal of Functional Analysis</i> , 2009, 256, 2741-2745.	1.4	13

#	ARTICLE	IF	CITATIONS
19	A note on truncations in fractional Sobolev spaces. Bulletin of Mathematical Sciences, 2019, 09, 1950001.	0.7	12
20	On a class of two-dimensional singular elliptic problems. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2001, 131, 479-497.	1.2	10
21	Symmetry Breaking of Extremals for the Caffarelli-Kohn-Nirenberg Inequalities in a Non-Hilbertian Setting. Milan Journal of Mathematics, 2013, 81, 421-430.	1.1	10
22	On fractional Laplacians $\hat{\Delta}^s$. ESAIM - Control, Optimisation and Calculus of Variations, 2016, 22, 832-841.	1.3	9
23	Holes and obstacles. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 1988, 5, 323-345.	1.4	8
24	Existence of extremals for the Maz'ya and for the Caffarelli-Kohn-Nirenberg inequalities. Nonlinear Analysis: Theory, Methods & Applications, 2009, 70, 3002-3007.	1.1	8
25	Sharp Nonexistence Results for a Linear Elliptic Inequality Involving Hardy and Leray Potentials. Journal of Inequalities and Applications, 2011, 2011, 917201.	1.1	8
26	Bubbles with prescribed mean curvature: The variational approach. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 2985-2999.	1.1	8
27	Radially symmetric solutions to the Lane-Emden system on the critical hyperbola. Communications in Contemporary Mathematics, 2014, 16, 1350030.	1.2	8
28	Variational Inequalities for the Fractional Laplacian. Potential Analysis, 2017, 46, 485-498.	0.9	8
29	The role of the spectrum of the Laplace operator on \mathbb{H}^n in the λ, β problem in the λ, β problem. Journal D'Analyse Mathematique, 2004, 94, 265-291.	0.8	7
30	Weak limit and blowup of approximate solutions to H-systems. Journal of Functional Analysis, 2007, 249, 171-198.	1.4	7
31	Fractional Hardy-Sobolev inequalities on half spaces. Nonlinear Analysis: Theory, Methods & Applications, 2019, 178, 32-40.	1.1	7
32	A free boundary problem involving limiting Sobolev exponents. Manuscripta Mathematica, 1987, 58, 77-93.	0.6	6
33	Planar loops with prescribed curvature: Existence, multiplicity and uniqueness results. Proceedings of the American Mathematical Society, 2011, 139, 4445-4459.	0.8	6
34	Asymptotic analysis of the Dirichlet fractional Laplacian in domains becoming unbounded. Journal of Mathematical Analysis and Applications, 2020, 485, 123845.	1.0	5
35	A tool for symmetry breaking and multiplicity in some nonlocal problems. Mathematical Methods in the Applied Sciences, 2020, 43, 9345-9357.	2.3	5
36	Complete classification and nondegeneracy of minimizers for the fractional Hardy-Sobolev inequality, and applications. Journal of Differential Equations, 2021, 280, 292-314.	2.2	5

#	ARTICLE	IF	CITATIONS
37	Existence of H-bubbles in a perturbative setting. <i>Revista Matematica Iberoamericana</i> , 2004, 20, 611-626.	0.9	4
38	The Hénon-Lane-Emden System: A Sharp Nonexistence Result. <i>Advanced Nonlinear Studies</i> , 2017, 17, 517-526.	1.7	4
39	Embedded loops in the hyperbolic plane with prescribed, almost constant curvature. <i>Annals of Global Analysis and Geometry</i> , 2019, 55, 509-528.	0.6	4
40	Sobolev inequalities for fractional Neumann Laplacians on half spaces. <i>Advances in Calculus of Variations</i> , 2021, 14, 127-145.	1.2	4
41	A note on higher order fractional Hardy-Sobolev inequalities. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2021, 203, 112168.	1.1	4
42	On a class of two-dimensional singular elliptic problems. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2001, 131, 479-497.	1.2	3
43	On the regularity of weak solutions to SH -systems. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2007, 18, 209-219.	0.6	3
44	Existence and multiplicity results for a weighted p -Laplace equation involving Hardy potentials and critical nonlinearities. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2009, 20, 127-143.	0.6	3
45	The homogeneous Hénon-Lane-Emden system. <i>Nonlinear Differential Equations and Applications</i> , 2015, 22, 1445-1459.	0.8	3
46	Non-critical dimensions for critical problems involving fractional Laplacians. <i>Revista Matematica Iberoamericana</i> , 2016, 32, 257-266.	0.9	3
47	S 2-type Parametric Surfaces with Prescribed Mean Curvature and Minimal Energy. , 2003, , 61-77.		3
48	A note on truncations in fractional Sobolev spaces. <i>Bulletin of Mathematical Sciences</i> , 0, , .	0.7	2
49	The s -polyharmonic extension problem and higher-order fractional Laplacians. <i>Journal of Functional Analysis</i> , 2022, 283, 109555.	1.4	2
50	ON THE DIRICHLET PROBLEM FOR H-SYSTEMS ON THE DISC WITH PRESCRIBED MEAN CURVATURE. , 2005, , .		0
51	Many closed K -magnetic geodesics on S^2 . <i>Manuscripta Mathematica</i> , 0, , 1.	0.6	0
52	Bubbles with constant mean curvature, and almost constant mean curvature, in the hyperbolic space. <i>Calculus of Variations and Partial Differential Equations</i> , 2021, 60, 1.	1.7	0