Monica Musso

List of Publications by Year
in descending order

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100	1,904	236925	302126
papers	citations	25 h-index	39 g-index

101	101	101	377
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Travelling helices and the vortex filament conjecture in the incompressible Euler equations. Calculus of Variations and Partial Differential Equations, 2022, 61, .	1.7	6
2	Non-degeneracy and existence of new solutions for the SchrÃ¶dinger equations. Journal of Differential Equations, 2022, 326, 254-279.	2.2	4
3	Geometry driven type II higher dimensional blow-up for the critical heat equation. Journal of Functional Analysis, 2021, 280, 108788.	1.4	6
4	High energy sign-changing solutions for Coron's problem. Journal of Differential Equations, 2021, 271, 916-962.	2.2	2
5	Compactness of scalar-flat conformal metrics on low-dimensional manifolds with constant mean curvature on boundary. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2021, 38, 1763-1793.	1.4	4
6	Doubling nodal solutions to the Yamabe equation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msup><mml:mrow><mml:mi mathvariant="double-struck">R</mml:mi></mml:mrow><mml:mrow><mml:mi>n</mml:mi></mml:mrow></mml:msup></mml:math> with maximal rank. Journal Des Mathematiques Pures Et Appliquees, 2021, 152, 145-188.	1.6	14
7	A compactness theorem for the fractional Yamabe problem, Part I: The nonumbilic conformal infinity. Journal of the European Mathematical Society, 2021, 23, 3017-3073.	1.4	2
8	Travelling and rotating solutions to the generalized inviscid surface quasi-geostrophic equation. Transactions of the American Mathematical Society, 2021, 374, 6665-6689.	0.9	17
9	Existence and stability of infinite time bubble towers in the energy critical heat equation. Analysis and PDE, 2021, 14, 1557-1598.	1.4	9
10	Gluing Methods for Vortex Dynamics in Euler Flows. Archive for Rational Mechanics and Analysis, 2020, 235, 1467-1530.	2.4	31
11	Infinite-time blow-up for the 3-dimensional energy-critical heat equation. Analysis and PDE, 2020, 13, 215-274.	1.4	17
12	Interface Dynamics in Semilinear Wave Equations. Communications in Mathematical Physics, 2020, 373, 971-1009.	2.2	2
13	Non-degeneracy of multi-bubbling solutions for the prescribed scalar curvature equations and applications. Journal of Functional Analysis, 2020, 279, 108553.	1.4	23
14	A semilinear elliptic equation with competing powers and a radial potential. Journal D'Analyse Mathematique, 2020, 140, 283-298.	0.8	0
15	Concentration at sub-manifolds for an elliptic Dirichlet problem near high critical exponents. Proceedings of the London Mathematical Society, 2019, 118, 379-415.	1.3	0
16	Type II Blow-up in the 5-dimensional Energy Critical Heat Equation. Acta Mathematica Sinica, English Series, 2019, 35, 1027-1042.	0.6	20
17	Desingularization of Clifford torus and nonradial solutions to the Yamabe problem with maximal rank. Journal of Functional Analysis, 2019, 276, 2470-2523.	1.4	10
18	Interior bubbling solutions for the critical Lin-Ni-Takagi problem in dimension 3. Journal D'Analyse Mathematique, 2019, 137, 813-843.	0.8	5

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19	New Type of Sign-Changing Blow-up Solutions for Scalar Curvature Type Equations. International Mathematics Research Notices, 2019, 2019, 4159-4197.	1.0	5
20	Infinite time blow-up for the fractional heat equation with critical exponent. Mathematische Annalen, 2019, 375, 361-424.	1.4	10
21	Green's function and infinite-time bubbling in the critical nonlinear heat equation. Journal of the European Mathematical Society, 2019, 22, 283-344.	1.4	16
22	Multispike solutions for the Brezisâ€“Nirenberg problem in dimension three. Journal of Differential Equations, 2018, 264, 6663-6709.	2.2	5
23	Existence theorems of the fractional Yamabe problem. Analysis and PDE, 2018, 11, 75-113.	1.4	24
24	Bubbling solutions for Moserâ€“Trudinger type equations on compact Riemann surfaces. Journal of Functional Analysis, 2018, 275, 2684-2739.	1.4	3
25	A non-compactness result on the fractional Yamabe problem in large dimensions. Journal of Functional Analysis, 2017, 273, 3759-3830.	1.4	9
26	New solutions for critical Neumann problems in â„². Advances in Nonlinear Analysis, 2017, 8, 615-644.	2.6	1
27	Sign-changing blowing-up solutions for a non-homogeneous elliptic equation at the critical exponent. Journal of Fixed Point Theory and Applications, 2017, 19, 345-361.	1.1	4
28	Entire sign-changing solutions with finite energy to the fractional Yamabe equation. Pacific Journal of Mathematics, 2016, 283, 85-114.	0.5	1
29	Sign-changing blowing-up solutions for supercritical Bahriâ€“Coronâ€™s problem. Calculus of Variations and Partial Differential Equations, 2016, 55, 1.	1.7	51
30	Concentration on minimal submanifolds for a Yamabe-type problem. Communications in Partial Differential Equations, 2016, 41, 1379-1425.	2.2	3
31	New blow-up phenomena for SU(n+ 1) Toda system. Journal of Differential Equations, 2016, 260, 6232-6266.	2.2	12
32	Infinitely many positive solutions for a nonlinear field equation with super-critical growth. Proceedings of the London Mathematical Society, 2016, 112, 1-26.	1.3	5
33	Solutions without any symmetry for semilinear elliptic problems. Journal of Functional Analysis, 2016, 270, 884-956.	1.4	9
34	Blow-up for sign-changing solutions of the critical heat equation in domains with a small hole. Communications in Contemporary Mathematics, 2016, 18, 1550017.	1.2	3
35	Nontopological Condensates for the Selfâ€Dual Chernâ€Simonsâ€Higgs Model. Communications on Pure and Applied Mathematics, 2015, 68, 1191-1283.	3.1	12
36	Multiple blow-up solutions for an anisotropic Emden Fowler equation in ${oldsymbol{mathbb{R}}}^{2}$. Nonlinearity, 2015, 28, 1761-1781.	1.4	1

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37	Multiple blow-up solutions for an anisotropic 2-dimensional nonlinear Neumann problem. Mathematische Zeitschrift, 2015, 281, 849-875.	0.9	1
38	Multiple blow-up solutions for an exponential nonlinearity with potential in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msup><mml:mrow><mml:mi mathvariant="double-struck">R</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup></mml:math>. Nonlinear Analysis: Theory, Methods & Applications, 2015, 119, 419-442.	1.1	2
39	Nondegeneracy of Nodal Solutions to the Critical Yamabe Problem. Communications in Mathematical Physics, 2015, 340, 1049-1107.	2.2	26
40	Blow up solutions for a Liouville equation with HÃ©non term. Nonlinear Analysis: Theory, Methods & Applications, 2015, 129, 320-342.	1.1	1
41	Critical points of the Trudingerâ€“Moser trace functional with high energy levels. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2015, 32, 59-95.	1.4	2
42	Bubbling on boundary submanifolds for a semilinear Neumann problem near high critical exponents. Discrete and Continuous Dynamical Systems, 2015, 36, 3035-3076.	0.9	0
43	Bubbling on boundary submanifolds for the Linâ€“Niâ€“Takagi problem at higher critical exponents. Journal of the European Mathematical Society, 2014, 16, 1687-1748.	1.4	18
44	Curve-Like Concentration Layers for a Singularly Perturbed Nonlinear Problem with Critical Exponents. Communications in Partial Differential Equations, 2014, 39, 1048-1103.	2.2	4
45	Bubbling solutions for an exponential nonlinearity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi mathvariant="double-struck">R</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup></mml:math> Journal of Differential Equations, 2014, 257, 2259-2302.	2.2	10
46	Bubbling solutions for an elliptic equation with exponential Neumann data in R^2. Annali Della Scuola Normale Superiore Di Pisa Classe Di Scienze, 2014, , 699-744.	0.2	1
47	Torus action on S^n and sign changing solutions for conformally invariant equations. Annali Della Scuola Normale Superiore Di Pisa Classe Di Scienze, 2013, , 209-237.	0.2	11
48	Nondegeneracy of entire solutions of a singular Liouvillle equation. Proceedings of the American Mathematical Society, 2012, 140, 581-588.	0.8	32
49	Nonradial Solutions to Critical Elliptic Equations of Caffarelliâ€“Kohnâ€“Nirenberg Type. International Mathematics Research Notices, 2012, 2012, 4120-4162.	1.0	7
50	Finite-energy sign-changing solutions with dihedral symmetry for the stationary nonlinear SchrÃ¶dinger equation. Journal of the European Mathematical Society, 2012, 14, 1923-1953.	1.4	38
51	Solutions of the Allen-Cahn equation which are invariant under screw-motion. Manuscripta Mathematica, 2012, 138, 273-286.	0.6	12
52	Beyond the Trudinger-Moser supremum. Calculus of Variations and Partial Differential Equations, 2012, 44, 543-576.	1.7	17
53	A refined result on sign changing solutions for a critical elliptic problem. Communications on Pure and Applied Analysis, 2012, 12, 125-155.	0.8	0
54	Large energy entire solutions for the Yamabe equation. Journal of Differential Equations, 2011, 251, 2568-2597.	2.2	70

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55	Bistable Boundary Reactions in Two Dimensions. Archive for Rational Mechanics and Analysis, 2011, 200, 89-140.	2.4	9
56	On spikes concentrating on line-segments to a semilinear Neumann problem. Journal of Differential Equations, 2011, 251, 881-901.	2.2	17
57	Triple Junction Solutions for a Singularly Perturbed Neumann Problem. SIAM Journal on Mathematical Analysis, 2011, 43, 2519-2541.	1.9	11
58	New solutions for Trudingerâ€“Moser critical equations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mi mathvariant="double-struck">R</mml:mi><mml:mn>2</mml:mn></mml:msup></mml:math>. Journal of Functional Analysis, 2010, 258, 421-457.	1.4	36
59	Tower of bubbles for almost critical problems in general domains. Journal Des Mathematiques Pures Et Appliquees, 2010, 93, 1-40.	1.6	46
60	Sign Changing Tower of Bubbles for an Elliptic Problem at the Critical Exponent in Pierced Non-Symmetric Domains. Communications in Partial Differential Equations, 2010, 35, 1419-1457.	2.2	34
61	Bubbling along boundary geodesics near the second critical exponent. Journal of the European Mathematical Society, 2010, 12, 1553-1605.	1.4	25
62	Two-dimensional Euler flows with concentrated vorticities. Transactions of the American Mathematical Society, 2010, 362, 6381-6381.	0.9	27
63	Multipeak solutions to the Bahriâ€“Coron problem in domains with a shrinking hole. Journal of Functional Analysis, 2009, 256, 275-306.	1.4	17
64	Fast and slow decay solutions for supercritical elliptic problems in exterior domains. Calculus of Variations and Partial Differential Equations, 2008, 32, 453-480.	1.7	35
65	Singular limits for the bi-Laplacian operator with exponential nonlinearity in (R^{4}). Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2008, 25, 1015-1041.	1.4	19
66	Sign changing solutions to a Bahri-Coron's problem in pierced domains. Discrete and Continuous Dynamical Systems, 2008, 21, 295-306.	0.9	14
67	On the existence and profile of nodal solutions for a two-dimensional elliptic problem with large exponent in nonlinearity. Proceedings of the London Mathematical Society, 2007, 94, 497-519.	1.3	24
68	The Supercritical Laneâ€“Emdenâ€“Fowler Equation in Exterior Domains. Communications in Partial Differential Equations, 2007, 32, 1225-1243.	2.2	36
69	Morse index and bifurcation ofp-geodesics on semi Riemannian manifolds. ESAIM - Control, Optimisation and Calculus of Variations, 2007, 13, 598-621.	1.3	17
70	Standing waves for supercritical nonlinear SchrÃ¶dinger equations. Journal of Differential Equations, 2007, 236, 164-198.	2.2	28
71	Boundary singularities for weak solutions of semilinear elliptic problems. Journal of Functional Analysis, 2007, 253, 241-272.	1.4	21
72	Chapter 3 Bubbling in nonlinear elliptic problems near criticality. Handbook of Differential Equations: Stationary Partial Differential Equations, 2006, 3, 215-316.	0.7	2

#	Article	IF	Citations
73	Sign changing solutions to a nonlinear elliptic problem involving the critical Sobolev exponent in pierced domainsâ˜†â˜†The first author is supported by Fondecyt 1040936 (Chile). The second author is supported by the M.I.U.R. National Project â€œMetodi variazionali e topologici nello studio di fenomeni non linearià€•. Journal Des Mathematiques Pures Et Appliquees, 2006, 86, 510-528.	1.6	29
74	Concentrating solutions for a planar elliptic problem involving nonlinearities with large exponent. Journal of Differential Equations, 2006, 227, 29-68.	2.2	61
75	Variational reduction for Ginzburgâ€“Landau vortices. Journal of Functional Analysis, 2006, 239, 497-541.	1.4	27
76	Singular Limits of a Two-Dimensional Boundary Value Problem Arising in Corrosion Modelling. Archive for Rational Mechanics and Analysis, 2006, 182, 181-221.	2.4	11
77	Multiple bubbling for the exponential nonlinearity in the slightly supercritical case. Communications on Pure and Applied Analysis, 2006, 5, 463-482.	0.8	5
78	Concentrating solutions in a two-dimensional elliptic problem with exponential Neumann data. Journal of Functional Analysis, 2005, 227, 430-490.	1.4	23
79	Super-critical boundary bubbling in a semilinear Neumann problem. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2005, 22, 45-82.	1.4	42
80	Singular limits in Liouville-type equations. Calculus of Variations and Partial Differential Equations, 2005, 24, 47-81.	1.7	161
81	BUBBLING AND CRITICALITY IN TWO AND HIGHER DIMENSIONS. , 2005, , .		2
82	A Morse index theorem for perturbed geodesics on semi-Riemannian manifolds. Topological Methods in Nonlinear Analysis, 2005, 25, 69.	0.2	30
83	Super-position of spikes for a slightly super-critical elliptic equation in R^N. Discrete and Continuous Dynamical Systems, 2005, 12, 747-760.	0.9	7
84	Multiple solutions for a non-homogeneous elliptic equation at the critical exponent. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2004, 134, 69-87.	1.2	15
85	A Phase Plane Analysis of the ?Multi-Bubbling? Phenomenon in Some Slightly Supercritical Equations. Monatshefte Fur Mathematik, 2004, 142, 57-79.	0.9	7
86	The Brezisâ€“Nirenberg problem near criticality in dimension 3. Journal Des Mathematiques Pures Et Appliquees, 2004, 83, 1405-1456.	1.6	38
87	A Phase Plane Analysis of the â€œMulti-Bubblingâ€•Phenomenon in Some Slightly Supercritical Equations. , 2004, , 57-79.		4
88	Two-bubble solutions in the super-critical Bahri-Coron's problem. Calculus of Variations and Partial Differential Equations, 2003, 16, 113-145.	1.7	172
89	â€œBubble-towerâ€•radial solutions in the slightly supercritical Brezisâ€“Nirenberg problem. Journal of Differential Equations, 2003, 193, 280-306.	2.2	60
90	MULTI-BUBBLE SOLUTIONS FOR SLIGHTLY SUPER-CRITICAL ELLIPTIC PROBLEMS IN DOMAINS WITH SYMMETRIES. Bulletin of the London Mathematical Society, 2003, 35, 513-521.	0.8	40

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91	DOUBLE BLOW-UP SOLUTIONS FOR A BREZISâ€“NIRENBERG TYPE PROBLEM. Communications in Contemporary Mathematics, 2003, 05, 775-802.	1.2	15
92	Local bifurcation from the second eigenvalue of the Laplacian in a square. Proceedings of the American Mathematical Society, 2003, 131, 3499-3505.	0.8	12
93	Multispike solutions for a nonlinear elliptic problem involving critical Sobolev exponent. Indiana University Mathematics Journal, 2002, 51, 0-0.	0.9	57
94	Multi-Peak Solutions for Super-Critical Elliptic Problems in Domains with Small Holes. Journal of Differential Equations, 2002, 182, 511-540.	2.2	54
95	New Nonlinear Equations with Soliton-Like Solutions. Letters in Mathematical Physics, 2001, 57, 161-173.	1.1	2
96	Some nonlinear elliptic equations in. Nonlinear Analysis: Theory, Methods & Applications, 2000, 39, 837-860.	1.1	1
97	NontriviaL solutions of some nonlinear elliptic problems. Communications in Partial Differential Equations, 1999, 24, 1655-1708.	2.2	0
98	Multibump solutions for a class of nonlinear elliptic problems. Calculus of Variations and Partial Differential Equations, 1998, 7, 53-86.	1.7	4
99	Nonlinear elliptic problems approximating degenerate equations. Nonlinear Analysis: Theory, Methods & Applications, 1997, 30, 5071-5076.	1.1	2
100	Positive solutions of nonlinear elliptic problems approximating degenerate equations. Topological Methods in Nonlinear Analysis, 1995, 6, 371.	0.2	3