

Monica Musso

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3623352/publications.pdf>

Version: 2024-02-01

100
papers

1,904
citations

270111

25
h-index

340414

39
g-index

101
all docs

101
docs citations

101
times ranked

412
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, .	0.9	6
2	Non-degeneracy and existence of new solutions for the Schrödinger equations. Journal of Differential Equations, 2022, 326, 254-279.	1.1	4
3	Geometry driven type II higher dimensional blow-up for the critical heat equation. Journal of Functional Analysis, 2021, 280, 108788.	0.7	6
4	High energy sign-changing solutions for Coron's problem. Journal of Differential Equations, 2021, 271, 916-962.	1.1	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.	0.7	4
6	Doubling nodal solutions to the Yamabe equation in \mathbb{R}^n with maximal rank. Journal Des Mathematiques Pures Et Appliquees, 2021, 152, 145-188.	0.8	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.	0.7	2
8	Travelling and rotating solutions to the generalized inviscid surface quasi-geostrophic equation. Transactions of the American Mathematical Society, 2021, 374, 6665-6689.	0.5	17
9	Existence and stability of infinite time bubble towers in the energy critical heat equation. Analysis and PDE, 2021, 14, 1557-1598.	0.6	9
10	Gluing Methods for Vortex Dynamics in Euler Flows. Archive for Rational Mechanics and Analysis, 2020, 235, 1467-1530.	1.1	31
11	Infinite-time blow-up for the 3-dimensional energy-critical heat equation. Analysis and PDE, 2020, 13, 215-274.	0.6	17
12	Interface Dynamics in Semilinear Wave Equations. Communications in Mathematical Physics, 2020, 373, 971-1009.	1.0	2
13	Non-degeneracy of multi-bubbling solutions for the prescribed scalar curvature equations and applications. Journal of Functional Analysis, 2020, 279, 108553.	0.7	23
14	A semilinear elliptic equation with competing powers and a radial potential. Journal D'Analyse Mathematique, 2020, 140, 283-298.	0.4	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.	0.6	0
16	Type II Blow-up in the 5-dimensional Energy Critical Heat Equation. Acta Mathematica Sinica, English Series, 2019, 35, 1027-1042.	0.2	20
17	Desingularization of Clifford torus and nonradial solutions to the Yamabe problem with maximal rank. Journal of Functional Analysis, 2019, 276, 2470-2523.	0.7	10
18	Interior bubbling solutions for the critical Lin-Ni-Takagi problem in dimension 3. Journal D'Analyse Mathematique, 2019, 137, 813-843.	0.4	5

#	ARTICLE	IF	CITATIONS
19	New Type of Sign-Changing Blow-up Solutions for Scalar Curvature Type Equations. International Mathematics Research Notices, 2019, 2019, 4159-4197.	0.5	5
20	Infinite time blow-up for the fractional heat equation with critical exponent. Mathematische Annalen, 2019, 375, 361-424.	0.7	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.	0.7	16
22	Multispoke solutions for the Brezisâ€Nirenberg problem in dimension three. Journal of Differential Equations, 2018, 264, 6663-6709.	1.1	5
23	Existence theorems of the fractional Yamabe problem. Analysis and PDE, 2018, 11, 75-113.	0.6	24
24	Bubbling solutions for Moserâ€Trudinger type equations on compact Riemann surfaces. Journal of Functional Analysis, 2018, 275, 2684-2739.	0.7	3
25	A non-compactness result on the fractional Yamabe problem in large dimensions. Journal of Functional Analysis, 2017, 273, 3759-3830.	0.7	9
26	New solutions for critical Neumann problems in \mathbb{R}^2 . Advances in Nonlinear Analysis, 2017, 8, 615-644.	1.3	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.	0.6	4
28	Entire sign-changing solutions with finite energy to the fractional Yamabe equation. Pacific Journal of Mathematics, 2016, 283, 85-114.	0.2	1
29	Sign-changing blowing-up solutions for supercritical Bahriâ€Coronâ€™s problem. Calculus of Variations and Partial Differential Equations, 2016, 55, 1.	0.9	51
30	Concentration on minimal submanifolds for a Yamabe-type problem. Communications in Partial Differential Equations, 2016, 41, 1379-1425.	1.0	3
31	New blow-up phenomena for SU(n+ 1) Toda system. Journal of Differential Equations, 2016, 260, 6232-6266.	1.1	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.	0.6	5
33	Solutions without any symmetry for semilinear elliptic problems. Journal of Functional Analysis, 2016, 270, 884-956.	0.7	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.	0.6	3
35	Nontopological Condensates for the Selfâ€Dual Chernâ€Simonsâ€Higgs Model. Communications on Pure and Applied Mathematics, 2015, 68, 1191-1283.	1.2	12
36	Multiple blow-up solutions for an anisotropic Emden Fowler equation in \mathbb{R}^2 . Nonlinearity, 2015, 28, 1761-1781.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Multiple blow-up solutions for an anisotropic 2-dimensional nonlinear Neumann problem. <i>Mathematische Zeitschrift</i> , 2015, 281, 849-875.	0.4	1
38	Multiple blow-up solutions for an exponential nonlinearity with potential in \mathbb{R}^2 . <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2015, 119, 419-442.	0.6	2
39	Nondegeneracy of Nodal Solutions to the Critical Yamabe Problem. <i>Communications in Mathematical Physics</i> , 2015, 340, 1049-1107.	1.0	26
40	Blow up solutions for a Liouville equation with a non term. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2015, 129, 320-342.	0.6	1
41	Critical points of the Trudinger-Moser trace functional with high energy levels. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2015, 32, 59-95.	0.7	2
42	Bubbling on boundary submanifolds for a semilinear Neumann problem near high critical exponents. <i>Discrete and Continuous Dynamical Systems</i> , 2015, 36, 3035-3076.	0.5	0
43	Bubbling on boundary submanifolds for the Liouville-Takagi problem at higher critical exponents. <i>Journal of the European Mathematical Society</i> , 2014, 16, 1687-1748.	0.7	18
44	Curve-Like Concentration Layers for a Singularly Perturbed Nonlinear Problem with Critical Exponents. <i>Communications in Partial Differential Equations</i> , 2014, 39, 1048-1103.	1.0	4
45	Bubbling solutions for an exponential nonlinearity in \mathbb{R}^2 . <i>Journal of Differential Equations</i> , 2014, 257, 2259-2302.	1.1	10
46	Bubbling solutions for an elliptic equation with exponential Neumann data in \mathbb{R}^2 . <i>Annali Della Scuola Normale Superiore Di Pisa Classe Di Scienze</i> , 2014, , 699-744.	0.1	1
47	Torus action on S^n and sign changing solutions for conformally invariant equations. <i>Annali Della Scuola Normale Superiore Di Pisa Classe Di Scienze</i> , 2013, , 209-237.	0.1	11
48	Nondegeneracy of entire solutions of a singular Liouville equation. <i>Proceedings of the American Mathematical Society</i> , 2012, 140, 581-588.	0.4	32
49	Nonradial Solutions to Critical Elliptic Equations of Caffarelli-Kohn-Nirenberg Type. <i>International Mathematics Research Notices</i> , 2012, 2012, 4120-4162.	0.5	7
50	Finite-energy sign-changing solutions with dihedral symmetry for the stationary nonlinear Schrödinger equation. <i>Journal of the European Mathematical Society</i> , 2012, 14, 1923-1953.	0.7	38
51	Solutions of the Allen-Cahn equation which are invariant under screw-motion. <i>Manuscripta Mathematica</i> , 2012, 138, 273-286.	0.3	12
52	Beyond the Trudinger-Moser supremum. <i>Calculus of Variations and Partial Differential Equations</i> , 2012, 44, 543-576.	0.9	17
53	A refined result on sign changing solutions for a critical elliptic problem. <i>Communications on Pure and Applied Analysis</i> , 2012, 12, 125-155.	0.4	0
54	Large energy entire solutions for the Yamabe equation. <i>Journal of Differential Equations</i> , 2011, 251, 2568-2597.	1.1	70

#	ARTICLE	IF	CITATIONS
55	Bistable Boundary Reactions in Two Dimensions. Archive for Rational Mechanics and Analysis, 2011, 200, 89-140.	1.1	9
56	On spikes concentrating on line-segments to a semilinear Neumann problem. Journal of Differential Equations, 2011, 251, 881-901.	1.1	17
57	Triple Junction Solutions for a Singularly Perturbed Neumann Problem. SIAM Journal on Mathematical Analysis, 2011, 43, 2519-2541.	0.9	11
58	New solutions for Trudinger's Moser critical equations in \mathbb{R}^2 . Journal of Functional Analysis, 2010, 258, 421-457.	0.7	36
59	Tower of bubbles for almost critical problems in general domains. Journal Des Mathematiques Pures Et Appliquees, 2010, 93, 1-40.	0.8	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.	1.0	34
61	Bubbling along boundary geodesics near the second critical exponent. Journal of the European Mathematical Society, 2010, 12, 1553-1605.	0.7	25
62	Two-dimensional Euler flows with concentrated vorticities. Transactions of the American Mathematical Society, 2010, 362, 6381-6381.	0.5	27
63	Multipeak solutions to the Bahri-Coron problem in domains with a shrinking hole. Journal of Functional Analysis, 2009, 256, 275-306.	0.7	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.	0.9	35
65	Singular limits for the bi-Laplacian operator with exponential nonlinearity in (\mathbb{R}^4) . Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2008, 25, 1015-1041.	0.7	19
66	Sign changing solutions to a Bahri-Coron's problem in pierced domains. Discrete and Continuous Dynamical Systems, 2008, 21, 295-306.	0.5	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.	0.6	24
68	The Supercritical Lane-Emden-Fowler Equation in Exterior Domains. Communications in Partial Differential Equations, 2007, 32, 1225-1243.	1.0	36
69	Morse index and bifurcation of p -geodesics on semi Riemannian manifolds. ESAIM - Control, Optimisation and Calculus of Variations, 2007, 13, 598-621.	0.7	17
70	Standing waves for supercritical nonlinear Schrödinger equations. Journal of Differential Equations, 2007, 236, 164-198.	1.1	28
71	Boundary singularities for weak solutions of semilinear elliptic problems. Journal of Functional Analysis, 2007, 253, 241-272.	0.7	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 domains. The first author is supported by Fondecyt 1040936 (Chile). The second author is supported by the M.I.U.R. National Project "Metodi variazionali e topologici nello studio di fenomeni non lineari". Journal Des Mathematiques Pures Et Appliquees, 2006, 86, 510-528.	0.8	29
74	Concentrating solutions for a planar elliptic problem involving nonlinearities with large exponent. Journal of Differential Equations, 2006, 227, 29-68.	1.1	61
75	Variational reduction for Ginzburg-Landau vortices. Journal of Functional Analysis, 2006, 239, 497-541.	0.7	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.	1.1	11
77	Multiple bubbling for the exponential nonlinearity in the slightly supercritical case. Communications on Pure and Applied Analysis, 2006, 5, 463-482.	0.4	5
78	Concentrating solutions in a two-dimensional elliptic problem with exponential Neumann data. Journal of Functional Analysis, 2005, 227, 430-490.	0.7	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.	0.7	42
80	Singular limits in Liouville-type equations. Calculus of Variations and Partial Differential Equations, 2005, 24, 47-81.	0.9	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 \mathbb{R}^N . Discrete and Continuous Dynamical Systems, 2005, 12, 747-760.	0.5	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.	0.8	15
85	A Phase Plane Analysis of the "Multi-Bubbling" Phenomenon in Some Slightly Supercritical Equations. Monatshefte Fur Mathematik, 2004, 142, 57-79.	0.5	7
86	The Brezis-Nirenberg problem near criticality in dimension 3. Journal Des Mathematiques Pures Et Appliquees, 2004, 83, 1405-1456.	0.8	38
87	A Phase Plane Analysis of the "Multi-Bubbling" 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.	0.9	172
89	"Bubble-tower" radial solutions in the slightly supercritical Brezis-Nirenberg problem. Journal of Differential Equations, 2003, 193, 280-306.	1.1	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.	0.4	40

#	ARTICLE	IF	CITATIONS
91	DOUBLE BLOW-UP SOLUTIONS FOR A BREZISâ€“NIRENBERG TYPE PROBLEM. Communications in Contemporary Mathematics, 2003, 05, 775-802.	0.6	15
92	Local bifurcation from the second eigenvalue of the Laplacian in a square. Proceedings of the American Mathematical Society, 2003, 131, 3499-3505.	0.4	12
93	Multispike solutions for a nonlinear elliptic problem involving critical Sobolev exponent. Indiana University Mathematics Journal, 2002, 51, 0-0.	0.4	57
94	Multi-Peak Solutions for Super-Critical Elliptic Problems in Domains with Small Holes. Journal of Differential Equations, 2002, 182, 511-540.	1.1	54
95	New Nonlinear Equations with Soliton-Like Solutions. Letters in Mathematical Physics, 2001, 57, 161-173.	0.5	2
96	Some nonlinear elliptic equations in. Nonlinear Analysis: Theory, Methods & Applications, 2000, 39, 837-860.	0.6	1
97	Nontrivial solutions of some nonlinear elliptic problems. Communications in Partial Differential Equations, 1999, 24, 1655-1708.	1.0	0
98	Multibump solutions for a class of nonlinear elliptic problems. Calculus of Variations and Partial Differential Equations, 1998, 7, 53-86.	0.9	4
99	Nonlinear elliptic problems approximating degenerate equations. Nonlinear Analysis: Theory, Methods & Applications, 1997, 30, 5071-5076.	0.6	2
100	Positive solutions of nonlinear elliptic problems approximating degenerate equations. Topological Methods in Nonlinear Analysis, 1995, 6, 371.	0.2	3