

# Massimo Grossi

## List of Publications by Year in descending order

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35  
papers

795  
citations

567281

15  
h-index

501196

28  
g-index

35  
all docs

35  
docs citations

35  
times ranked

195  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-degeneracy and local uniqueness of positive solutions to the Lane-Emden problem in dimension two. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2022, 157, 145-210.	1.6	2
2	On the number of critical points of stable solutions in bounded strip-like domains. <i>Journal of Differential Equations</i> , 2022, 306, 1-27.	2.2	3
3	On the number of critical points of the second eigenfunction of the Laplacian in convex planar domains. <i>Journal of Functional Analysis</i> , 2022, 283, 109496.	1.4	1
4	Bubbling nodal solutions for a large perturbation of the Moser-Trudinger equation on planar domains. <i>Mathematische Annalen</i> , 2021, 380, 643-686.	1.4	1
5	Uniqueness of the critical point for semi-stable solutions in $\mathbb{R}^2$ . <i>Calculus of Variations and Partial Differential Equations</i> , 2021, 60, 1.	1.7	7
6	On the number of critical points of solutions of semilinear elliptic equations. <i>Electronic Research Archive</i> , 2021, 29, 4215-4228.	0.9	2
7	Sharp concentration estimates near criticality for radial sign-changing solutions of Dirichlet and Neumann problems. <i>Proceedings of the London Mathematical Society</i> , 2020, 120, 39-64.	1.3	5
8	A Morse Lemma for Degenerate Critical Points of Solutions of Nonlinear Equations in $\mathbb{R}^2$ . <i>Advanced Nonlinear Studies</i> , 2020, 20, 1-18.	1.7	1
9	Blow-up analysis for nodal radial solutions in Moser-Trudinger critical equations in $\mathbb{R}^2$ . <i>Annali Della Scuola Normale Superiore Di Pisa Classe Di Scienze</i> , 2020, , 797-825.	0.2	1
10	A non-variational system involving the critical Sobolev exponent. The radial case. <i>Journal D'Analyse Mathematique</i> , 2019, 138, 643-671.	0.8	3
11	Non-uniqueness of blowing-up solutions to the Gelfand problem. <i>Calculus of Variations and Partial Differential Equations</i> , 2019, 58, 1.	1.7	4
12	Morse index and uniqueness of positive solutions of the Lane-Emden problem in planar domains. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2019, 128, 339-378.	1.6	16
13	Entire radial and nonradial solutions for systems with critical growth. <i>Calculus of Variations and Partial Differential Equations</i> , 2018, 57, 1.	1.7	5
14	$L^\infty$ $L^\infty$ -norm and energy quantization for the planar Lane-Emden problem with large exponent. <i>Archiv Der Mathematik</i> , 2018, 111, 421-429.	0.5	10
15	On the Hardy-Sobolev equation. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2017, 147, 299-336.	1.2	13
16	Nonradial entire solutions for Liouville systems. <i>Journal of Differential Equations</i> , 2017, 263, 5151-5174.	2.2	2
17	Multi-layer radial solutions for a supercritical Neumann problem. <i>Journal of Differential Equations</i> , 2016, 261, 455-504.	2.2	18
18	On a general SU(3) Toda system. <i>Calculus of Variations and Partial Differential Equations</i> , 2015, 54, 3353-3372.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Exact multiplicity results for a singularly perturbed Neumann problem. Calculus of Variations and Partial Differential Equations, 2013, 48, 713-737.	1.7	2
20	Nonradial solutions for the Hénon equation in $\mathbb{R}^N$ . Advances in Mathematics, 2013, 249, 1-36.	1.1	55
21	Positive constrained minimizers for supercritical problems in the ball. Proceedings of the American Mathematical Society, 2012, 140, 2141-2154.	0.8	32
22	Asymptotically radial solutions in expanding annular domains. Mathematische Annalen, 2012, 352, 485-515.	1.4	34
23	Bifurcation and symmetry breaking for a class of semilinear elliptic equations in an annulus. Calculus of Variations and Partial Differential Equations, 2011, 40, 295-317.	1.7	47
24	Nonexistence of multi-bubble solutions to some elliptic equations on convex domains. Journal of Functional Analysis, 2010, 259, 904-917.	1.4	36
25	On the spectrum of a nonlinear planar problem. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2009, 26, 191-222.	1.4	17
26	Asymptotic behaviour of the Kazdan-Warner solution in the annulus. Journal of Differential Equations, 2006, 223, 96-111.	2.2	23
27	On the existence of blowing-up solutions for a mean field equation. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2005, 22, 227-257.	1.4	150
28	A nondegeneracy result for a nonlinear elliptic equation. Nonlinear Differential Equations and Applications, 2005, 12, 227-241.	0.8	11
29	Some Results for the Gelfand's Problem. Communications in Partial Differential Equations, 2005, 29, 1335-1364.	2.2	17
30	Strict convexity of level sets of solutions of some nonlinear elliptic equations. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2004, 134, 363-373.	1.2	11
31	Asymptotic Estimates and Qualitative Properties of an Elliptic Problem in Dimension Two. Advanced Nonlinear Studies, 2004, 4, 15-36.	1.7	31
32	ON THE SHAPE OF THE SOLUTIONS OF SOME SEMILINEAR ELLIPTIC PROBLEMS. Communications in Contemporary Mathematics, 2003, 05, 85-99.	1.2	18
33	Asymptotic estimates for a two-dimensional problem with polynomial nonlinearity. Proceedings of the American Mathematical Society, 2003, 132, 1013-1019.	0.8	49
34	On the number of single-peak solutions of the nonlinear Schrödinger equation. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2002, 19, 261-280.	1.4	72
35	Qualitative properties of positive solutions of semilinear elliptic equations in symmetric domains via the maximum principle. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 1999, 16, 631-652.	1.4	91