Bernhard Ruf

List of Publications by Year
in descending order

71 papers	1,822 citations	346980 22 h-index	312153 41 g-index
73 all docs	73 docs citations	73 times ranked	363 citing authors

#	Article	IF	Citations
1	Nonlinear Eigenvalue Problems and Bifurcation for Quasi-Linear Elliptic Operators. Mediterranean Journal of Mathematics, 2022, 19, 1.	0.4	0
2	Hopf reduction and orbit concentrating solutions for a class of superlinear elliptic equations. Journal of Functional Analysis, 2022, 282, 109459.	0.7	1
3	Asymptotics for a parabolic equation with critical exponential nonlinearity. Journal of Evolution Equations, 2021, 21, 1677-1716.	0.6	5
4	Stationary States of Dirac--Klein--Gordon Systems with Nonlinear Interacting Terms. SIAM Journal on Mathematical Analysis, 2021, 53, 5731-5755.	0.9	3
5	A Potential Well Argument for a Semilinear Parabolic Equation with Exponential Nonlinearity. MATRIX Book Series, 2020, , 265-273.	0.2	0
6	Non-uniqueness for a critical heat equation in two dimensions with singular data. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2019, 36, 2027-2051.	0.7	2
7	On the Moser-Trudinger inequality in fractional Sobolev-Slobodeckij spaces. Journal D'Analyse Mathematique, 2019, 138, 281-300.	0.4	17
8	Weighted Trudinger-Moser inequalities and associated Liouville type equations. Proceedings of the American Mathematical Society, 2018, 146, 5243-5256.	0.4	7
9	Elliptic equations in dimension 2 with double exponential nonlinearities. Nonlinear Differential Equations and Applications, 2017, 24, 1.	0.4	27
10	Asymptotic behavior and decay estimates of the solutions for a nonlinear parabolic equation with exponential nonlinearity. Journal of Differential Equations, 2017, 262, 145-180.	1.1	22
11	On supercritical Sobolev type inequalities and related elliptic equations. Calculus of Variations and Partial Differential Equations, 2016, 55, 1.	0.9	19
12	On multiplicity of semi-classical solutions to a nonlinear Maxwell–Dirac system. Journal of Differential Equations, 2016, 260, 5565-5588.	1.1	3
13	Trudinger–Moser type inequalities with logarithmic weights in dimension N. Nonlinear Analysis: Theory, Methods & Applications, 2015, 121, 403-411.	0.6	39
14	Existence, Non-existence, and Uniqueness for a Heat Equation with Exponential Nonlinearity in $\mathbb{R}^2$. Mathematical Physics Analysis and Geometry, 2015, 18, 1.	0.4	21
15	On Trudinger–Moser type inequalities with logarithmic weights. Journal of Differential Equations, 2015, 258, 1967-1989.	1.1	39
16	Higher-order functional inequalities related to the clamped 1-biharmonic operator. Annali Di Matematica Pura Ed Applicata, 2015, 194, 1835-1858.	0.5	9
17	Positive solutions for singular elliptic equations with mixed Dirichlet-Neumann boundary conditions. Mathematische Nachrichten, 2014, 287, 374-397.	0.4	4
18	Hardy–Sobolev inequalities for the biharmonic operator with remainder terms. Journal of Fixed Point Theory and Applications, 2014, 15, 405-431.	0.6	6

#	ARTICLE	IF	CITATIONS
19	Concentration on Hopf-fibres for singularly perturbed elliptic equations. Journal of Functional Analysis, 2014, 267, 2353-2370.	0.7	10
20	Hopf fibration and singularly perturbed elliptic equations. Discrete and Continuous Dynamical Systems - Series S, 2014, 7, 823-838.	0.6	1
21	Sharp Adams-type inequalities in â„ȩ̂. Transactions of the American Mathematical Society, 2013, 365, 645-670.	0.5	74
22	Optimal Sobolev Type Inequalities in Lorentz Spaces. Potential Analysis, 2013, 39, 265-285.	0.4	17
23	Quasilinear elliptic problems with combined critical Sobolevâ€"Hardy terms. Annali Di Matematica Pura Ed Applicata, 2013, 192, 93-113.	0.5	5
24	GROUP INVARIANCE AND POHOZAEV IDENTITY IN MOSER-TYPE INEQUALITIES. Communications in Contemporary Mathematics, 2013, 15, 1250054.	0.6	8
25	On semiclassical states of a nonlinear Dirac equation. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2013, 143, 765-790.	0.8	11
26	Ground States for Elliptic Equations in $pmb{mathbb{R}}^{2}$ with Exponential Critical Growth. Springer INdAM Series, 2013, , 251-267.	0.4	20
27	Existence and Concentration of Semiclassical Solutions for Dirac Equations with Critical Nonlinearities. SIAM Journal on Mathematical Analysis, 2012, 44, 3755-3785.	0.9	38
28	Beyond the Trudinger-Moser supremum. Calculus of Variations and Partial Differential Equations, 2012, 44, 543-576.	0.9	17
29	On a nonlinear elliptic system with symmetric coupling. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 4315-4324.	0.6	3
30	Elliptic equations and systems with critical Trudinger-Moser nonlinearities. Discrete and Continuous Dynamical Systems, 2011, 30, 455-476.	0.5	54
31	Radial and non radial solutions for Hardyâ€"Hénon type elliptic systems. Calculus of Variations and Partial Differential Equations, 2010, 38, 111-133.	0.9	25
32	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.	0.7	36
33	Multiplicity of solutions for a superlinear -Laplacian equation. Nonlinear Analysis: Theory, Methods & Applications, 2010, 73, 2132-2147.	0.6	5
34	Best constants in a borderline case of second-order Moser type inequalities. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2010, 27, 73-93.	0.7	15
35	Singularly perturbed elliptic equations with solutions concentrating on a 1-dimensional orbit. Journal of the European Mathematical Society, 2010, 12, 413-427.	0.7	22
36	On a Liouville-type equation with sign-changing weight. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2009, 139, 183-192.	0.8	1

#	ARTICLE	IF	CITATIONS
37	On Trudinger–Moser type inequalities involving Sobolev–Lorentz spaces. Annali Di Matematica Pura Ed Applicata, 2009, 188, 369-397.	0.5	4
38	A priori bounds for superlinear problems involving the N-Laplacian. Journal of Differential Equations, 2009, 246, 2039-2054.	1.1	2
39	On the Fučík spectrum of the Laplacian on a torus. Journal of Functional Analysis, 2009, 256, 1432-1452.	0.7	3
40	Solutions of a Nonlinear Dirac Equation with External Fields. Archive for Rational Mechanics and Analysis, 2008, 190, 57-82.	1.1	50
41	Non-variational elliptic systems in dimension two: a priori bounds and existence of positive solutions. Journal of Fixed Point Theory and Applications, 2008, 4, 77-96.	0.6	11
42	Superlinear Elliptic Equations and Systems. Handbook of Differential Equations: Stationary Partial Differential Equations, 2008, , 211-276.	0.7	18
43	Non-Variational Elliptic Systems in Dimension Two: A Priori Bounds and Existence of Positive Solutions. , 2008, , 661-680.		2
44	A sharp Trudinger-Moser type inequality for unbounded domains in $\mathbb{R}^n$. Indiana University Mathematics Journal, 2008, 57, 451-480.	0.4	211
45	Best Constants for Moser type Inequalities in Zygmund Spaces. Matematica Contemporanea, 2008, 36, .	0.0	0
46	A global characterization of the Fučík spectrum for a system of ordinary differential equations. Journal of Differential Equations, 2007, 234, 311-336.	1.1	1
47	Semilinear Elliptic Systems With Exponential Nonlinearities in Two Dimensions. Advanced Nonlinear Studies, 2006, 6, 199-213.	0.7	11
48	On a Schrödinger equation with periodic potential and critical growth in $$\mathbb{R}^{2} $$. Nonlinear Differential Equations and Applications, 2006, 13, 167-192.	0.4	31
49	A sharp Trudinger–Moser type inequality for unbounded domains in <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML"	0.7	306
50	An Orlicz-space approach to superlinear elliptic systems. Journal of Functional Analysis, 2005, 224, 471-496.	0.7	58
51	Lorentz Spaces and Nonlinear Elliptic Systems. Progress in Nonlinear Differential Equations and Their Application, 2005, , 471-489.	0.4	14
52	ELLIPTIC EQUATIONS IN ℝ2 WITH ONE-SIDED EXPONENTIAL GROWTH. Communications in Contemporary Mathematics, 2004, 06, 947-971.	0.6	14
53	Elliptic Systems with Nonlinearities of Arbitrary Growth. Mediterranean Journal of Mathematics, 2004, 1, 417-431.	0.4	40
54	Critical and subcritical elliptic systems in dimension two. Indiana University Mathematics Journal, 2004, 53, 1037-1054.	0.4	69

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55	On the critical Neumann problem with weight in exterior domains. Nonlinear Analysis: Theory, Methods & Applications, 2003, 54, 143-163.	0.6	6
56	MULTIPLE SOLUTIONS OF NONHOMOGENEOUS ELLIPTIC EQUATIONS WITH CRITICAL NONLINEARITY ON SYMMETRIC DOMAINS. Communications in Contemporary Mathematics, 2003, 05, 147-169.	0.6	7
57	On an inequality by N. Trudinger and J. Moser and related elliptic equations. Communications on Pure and Applied Mathematics, 2002, 55, 135-152.	1.2	125
58	On a result by Carleson–Chang concerning the Trudinger–Moser inequality. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 6041-6051.	0.6	2
59	Bounds on the Number of Solutions for Elliptic Equations with Polynomial Nonlinearities. Journal of Differential Equations, 1999, 151, 111-133.	1.1	2
60	Singularity Theory and Bifurcation Phenomena in Differential Equations. , 1997, , 315-395.		10
61	Higher Singularities and Forced Secondary Bifurcation. SIAM Journal on Mathematical Analysis, 1995, 26, 1342-1360.	0.9	6
62	Borderline problems in the Calculus of Variations. Milan Journal of Mathematics, 1994, 64, 159-183.	0.1	0
63	On the periodic Fučík spectrum and a superlinear Sturm–Liouville equation. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1993, 123, 95-107.	0.8	12
64	Multiplicity and eigenvalue intersecting nonlinearities. Zeitschrift Fur Angewandte Mathematik Und Physik, 1989, 40, 774-779.	0.7	5
65	A Nonlinear Fredholm Alternative for Second Order Ordinary Differential Equations. Mathematische Nachrichten, 1986, 127, 299-308.	0.4	8
66	Multiplicity results for superlinear elliptic problems with partial interference with the spectrum. Journal of Mathematical Analysis and Applications, 1986, 118, 15-23.	0.5	29
67	On a Class of Superlinear Sturm–Liouville Problems with Arbitrarily Many Solutions. SIAM Journal on Mathematical Analysis, 1986, 17, 761-771.	0.9	34
68	Remarks and generalizations related to a recent multiplicity result of A. Lazer and P. McKenna. Nonlinear Analysis: Theory, Methods & Applications, 1985, 9, 1325-1330.	0.6	25
69	Existence of multiple periodic orbits on star-shaped hamiltonian surfaces. Communications on Pure and Applied Mathematics, 1985, 38, 253-289.	1.2	57
70	On nonlinear elliptic problems with jumping nonlinearities. Annali Di Matematica Pura Ed Applicata, 1981, 128, 133-151.	0.5	50
71	On a superlinear elliptic boundary value problem. Mathematische Zeitschrift, 1978, 164, 9-14.	0.4	12