Juncheng Wei

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/125663/publications.pdf

Version: 2024-02-01

251	7,572	57719	76872
papers	citations	44 h-index	74 g-index

252	252	252	1265
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Helmholtz solutions for the fractional Laplacian and other related operators. Communications in Contemporary Mathematics, 2023, 25, .	0.6	1
2	Finite Time Blowup for the Nematic Liquid Crystal Flow in Dimension Two. Communications on Pure and Applied Mathematics, 2022, 75, 128-196.	1.2	6
3	On Minima of Sum of Theta Functions and Application to Muellerâ€“Ho Conjecture. Archive for Rational Mechanics and Analysis, 2022, 243, 139-199.	1.1	4
4	Vanishing estimates for Liouville equation with quantized singularities. Proceedings of the London Mathematical Society, 2022, 124, 106-131.	0.6	4
5	On the stability of the Caffarelliâ€“Kohnâ€“Nirenberg inequality. Mathematische Annalen, 2022, 384, 1509-1546.	0.7	7
6	Qualitative properties of stable solutions to some supercritical problems. Electronic Research Archive, 2022, 30, 1668-1690.	0.4	0
7	Clustered travelling vortex rings to the axisymmetric three-dimensional incompressible Euler flows. Physica D: Nonlinear Phenomena, 2022, 434, 133258.	1.3	5
8	Local behavior of solutions to a fractional equation with isolated singularity and critical Serrin exponent. Discrete and Continuous Dynamical Systems, 2022, .	0.5	2
9	Extinction behavior for the fast diffusion equationsÂwith critical exponent and Dirichlet boundary conditions. Journal of the London Mathematical Society, 2022, 106, 855-898.	0.5	4
10	Travelling helices and the vortex filament conjecture in the incompressible Euler equations. Calculus of Variations and Partial Differential Equations, 2022, 61, .	0.9	6
11	On Smooth Solutions to One Phase-Free Boundary Problem in â„n. International Mathematics Research Notices, 2021, 2021, 15682-15732.	0.5	7
12	Hopf bifurcation from spike solutions for the weak coupling Gierer–Meinhardt system. European Journal of Applied Mathematics, 2021, 32, 113-145.	1.4	2
13	Non-uniqueness for an energy-critical heat equation on $${mathbb {R}}^2$$. Mathematische Annalen, 2021, 380, 317-348.	0.7	0
14	Geometry driven type II higher dimensional blow-up for the critical heat equation. Journal of Functional Analysis, 2021, 280, 108788.	0.7	6
15	Half-space theorems for the Allen–Cahn equation and related problems. Journal Fur Die Reine Und Angewandte Mathematik, 2021, 2021, 113-133.	0.4	1
16	Classification of blow-ups and monotonicity formula for half-Laplacian nonlinear heat equation. Calculus of Variations and Partial Differential Equations, 2021, 60, 1.	0.9	1
17	Estimates for Liouville equation with quantized singularities. Advances in Mathematics, 2021, 380, 107606.	0.5	13
18	Multi-spike Patterns in the Gierer–Meinhardt System with a Nonzero Activator Boundary Flux. Journal of Nonlinear Science, 2021, 31, 1.	1.0	3

#	Article	IF	Citations
19	Infinitely many multi-vortex solutions of the magnetic Ginzburgâ€“Landau equation with external potentials in R2. Journal of Mathematical Physics, 2021, 62, 041509.	0.5	1
20	On the regular part of the Bloch Greenâ€™s function for the Laplacian: analytical formula and critical points. Analysis and Mathematical Physics, 2021, 11, 1.	0.6	0
21	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
22	Excited states of Boseâ€“Einstein condensates with degenerate attractive interactions. Calculus of Variations and Partial Differential Equations, 2021, 60, 1.	0.9	13
23	Existence and stability of infinite time bubble towers in the energy critical heat equation. Analysis and PDE, 2021, 14, 1557-1598.	0.6	9
24	Boundary layer solutions in the Giererâ€“Meinhardt system with inhomogeneous boundary conditions. Physica D: Nonlinear Phenomena, 2021, 429, 133071.	1.3	0
25	Generalized Adler–Moser Polynomials and Multiple Vortex Rings for the Gross–Pitaevskii Equation. SIAM Journal on Mathematical Analysis, 2021, 53, 6959-6992.	0.9	3
26	A gluing approach for the fractional Yamabe problem with isolated singularities. Journal Fur Die Reine Und Angewandte Mathematik, 2020, 2020, 25-78.	0.4	12
27	Bound state solutions for the supercritical fractional SchrÃ¶dinger equation. Nonlinear Analysis: Theory, Methods & Applications, 2020, 193, 111448.	0.6	7
28	Finite time blow-up for the fractional critical heat equation in Rn. Nonlinear Analysis: Theory, Methods & Applications, 2020, 193, 111420.	0.6	4
29	Stable and Unstable Periodic Spiky Solutions for the Grayâ€“Scott System and the Schnakenberg System. Journal of Dynamics and Differential Equations, 2020, 32, 441-481.	1.0	8
30	Stable spike clusters on a compact two-dimensional Riemannian manifold. Journal of Differential Equations, 2020, 268, 3665-3704.	1.1	3
31	Singularity formation for the two-dimensional harmonic map flow into $$S^2$$. Inventiones Mathematicae, 2020, 219, 345-466.	1.3	24
32	Gluing Methods for Vortex Dynamics in Euler Flows. Archive for Rational Mechanics and Analysis, 2020, 235, 1467-1530.	1.1	31
33	Infinite-time blow-up for the 3-dimensional energy-critical heat equation. Analysis and PDE, 2020, 13, 215-274.	0.6	17
34	Cops-on-the-dots: The linear stability of crime hotspots for a 1-D reaction-diffusion model of urban crime. European Journal of Applied Mathematics, 2020, 31, 871-917.	1.4	9
35	Infinite time blow-up for critical heat equation with drift terms. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	0.9	0
36	Ground states of nonlinear SchrÃ¶dinger systems with mixed couplings. Journal Des Mathematiques Pures Et Appliquees, 2020, 141, 50-88.	0.8	36

#	Article	IF	Citations
37	The existence and stability of spike solutions for a chemotax is system modeling crime pattern formation. Mathematical Models and Methods in Applied Sciences, 2020, 30, 1727-1764.	1.7	7
38	Bubbling solutions for the Liouville equation with a singular source: Non-simple blow-up. Journal of Functional Analysis, 2020, 279, 108605.	0.7	3
39	Nonhexagonal Lattices From a Two Species Interacting System. SIAM Journal on Mathematical Analysis, 2020, 52, 1903-1942.	0.9	11
40	On Delaunay solutions of a biharmonic elliptic equation with critical exponent. Journal D'Analyse Mathematique, 2020, 140, 371-394.	0.4	4
41	Local uniqueness of the magnetic Ginzburgâ€“Landau equation. Journal of Elliptic and Parabolic Equations, 2020, 6, 187-209.	0.4	0
42	Stable boundary spike clusters for the two-dimensional Giererâ€“Meinhardt system. Journal Des Mathematiques Pures Et Appliquees, 2019, 121, 1-46.	0.8	3
43	Multi-bump Ground States of the Fractional Giererâ€“Meinhardt System on the Real Line. Journal of Dynamics and Differential Equations, 2019, 31, 385-417.	1.0	7
44	Nondegeneracy, Morse Index and Orbital Stability of the KP-I Lump Solution. Archive for Rational Mechanics and Analysis, 2019, 234, 1335-1389.	1.1	6
45	Fast and slow decaying solutions for $$H^{1}$$-supercritical quasilinear SchrÃ¶dinger equations. Calculus of Variations and Partial Differential Equations, 2019, 58, 1.	0.9	4
46	Non-radial solutions to a bi-harmonic equation with negative exponent. Calculus of Variations and Partial Differential Equations, 2019, 58, 1.	0.9	5
47	Second order estimate on transition layers. Advances in Mathematics, 2019, 358, 106856.	0.5	7
48	Finite Morse Index Implies Finite Ends. Communications on Pure and Applied Mathematics, 2019, 72, 1044-1119.	1.2	18
49	Type II Blow-up in the 5-dimensional Energy Critical Heat Equation. Acta Mathematica Sinica, English Series, 2019, 35, 1027-1042.	0.2	20
50	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
51	On Serrinâ€™s overdetermined problem and a conjecture of Berestycki, Caffarelli and Nirenberg. Communications in Partial Differential Equations, 2019, 44, 837-858.	1.0	2
52	The Linear Stability of Symmetric Spike Patterns for a Bulk-Membrane Coupled Gierer–Meinhardt Model. SIAM Journal on Applied Dynamical Systems, 2019, 18, 729-768.	0.7	18
53	Interior bubbling solutions for the critical Lin-Ni-Takagi problem in dimension 3. Journal D'Analyse Mathematique, 2019, 137, 813-843.	0.4	5
54	Lamellar phase solutions for diblock copolymers with nonlocal diffusions. Physica D: Nonlinear Phenomena, 2019, 388, 22-32.	1.3	4

#	Article	IF	Citations
55	New Type of Sign-Changing Blow-up Solutions for Scalar Curvature Type Equations. International Mathematics Research Notices, 2019, 2019, 4159-4197.	0.5	5
56	Infinite time blow-up for the fractional heat equation with critical exponent. Mathematische Annalen, 2019, 375, 361-424.	0.7	10
57	On higher-dimensional singularities for the fractional Yamabe problem: A nonlocal Mazzeoâ€“Pacard program. Duke Mathematical Journal, 2019, 168, .	0.8	21
58	Multi-bump solutions of -Î”n = K(x)u ^{(n+2)/(n-2)} on lattices in â„ⁿ. Journal Fur Die Reine Und Angewandte Mathematik, 2018, 2018, 163-211.	0.4	31
59	Degree counting and Shadow system for Toda system of rank two: One bubbling. Journal of Differential Equations, 2018, 264, 4343-4401.	1.1	15
60	Nonlocal s-minimal surfaces and Lawson cones. Journal of Differential Geometry, 2018, 109, .	0.5	25
61	A bifurcation diagram of solutions to an elliptic equation with exponential nonlinearity in higher dimensions. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2018, 148, 101-122.	0.8	12
62	Stabilizing a homoclinic stripe. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20180110.	1.6	9
63	On the Helmholtz equation and Dancerâ€™s-type entire solutions for nonlinear elliptic equations. Proceedings of the American Mathematical Society, 2018, 147, 1135-1148.	0.4	5
64	Nondegeneracy of the traveling lump solution to the 2 + 1 Toda lattice. Journal of Mathematical Physics, 2018, 59, 101501.	0.5	0
65	Existence of positive weak solutions for fractional Laneâ€“Emden equations with prescribed singular sets. Calculus of Variations and Partial Differential Equations, 2018, 57, 1.	0.9	12
66	On De Giorgiâ€™s conjecture: Recent progress and open problems. Science China Mathematics, 2018, 61, 1925-1946.	0.8	8
67	Pattern Formation in a Reaction-Diffusion System with Space-Dependent Feed Rate. SIAM Review, 2018, 60, 626-645.	4.2	22
68	Multiplicity of semiclassical solutions to nonlinear SchrÃ¶dinger equations. Journal of Fixed Point Theory and Applications, 2017, 19, 987-1010.	0.6	7
69	Catenoidal layers for the Allen-Cahn equation in bounded domains. Chinese Annals of Mathematics Series B, 2017, 38, 13-44.	0.2	1
70	Global minimizers of the Allenâ€“Cahn equation in dimension nâ‰¥ 8. Journal Des Mathematiques Pures Et Appliquees, 2017, 108, 818-840.	0.8	16
71	On the fractional Lane-Emden equation. Transactions of the American Mathematical Society, 2017, 369, 6087-6104.	0.5	41
72	Local Uniqueness and Refined Spike Profiles of Ground States for Two-Dimensional Attractive Bose-Einstein Condensates. SIAM Journal on Mathematical Analysis, 2017, 49, 3671-3715.	0.9	33

#	Article	IF	Citations
73	Stable spike clusters for the precursor Gierer–Meinhardt system in $$mathbb {R}^2$$ R 2. Calculus of Variations and Partial Differential Equations, 2017, 56, 142.	0.9	15
74	Two-end solutions to the Allen–Cahn equation 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>3</mml:mn></mml:mrow></mml:msup></mml:math>. Advances in Mathematics, 2017, 320, 926-992.	0.5	5
75	Delaunay-type singular solutions for the fractional Yamabe problem. Mathematische Annalen, 2017, 369, 597-626.	0.7	33
76	Stable spike clusters for the one-dimensional Gierer–Meinhardt system. European Journal of Applied Mathematics, 2017, 28, 576-635.	1.4	19
77	Infinitely many positive solutions of fractional nonlinear Schrödinger equations with non-symmetric potentials. Discrete and Continuous Dynamical Systems, 2017, 37, 5561-5601.	0.5	5
78	Local profile of fully bubbling solutions to $mathrm {SU} (n+1)$ Toda systems. Journal of the European Mathematical Society, 2016, 18, 1707-1728.	0.7	8
79	On a transcendental equation involving quotients of Gamma functions. Proceedings of the American Mathematical Society, 2016, 145, 2623-2637.	0.4	6
80	On nonradial singular solutions of supercritical biharmonic equations. Pacific Journal of Mathematics, 2016, 284, 395-430.	0.2	4
81	Clustering layers for the Fife–Greenlee problem in ℝⁿ. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2016, 146, 107-139.	0.8	5
82	Sign-changing blowing-up solutions for supercritical Bahri–Coron's problem. Calculus of Variations and Partial Differential Equations, 2016, 55, 1.	0.9	51
83	AN INTRODUCTION TO THE FINITE AND INFINITE DIMENSIONAL REDUCTION METHODS. Lecture Notes Series, Institute for Mathematical Sciences, 2016, , 35-118.	0.2	8
84	On variational characterization of four-end solutions of the Allen–Cahn equation in the plane. Journal of Functional Analysis, 2016, 271, 2673-2700.	0.7	8
85	Positive solutions of nonlinear Schrödinger equation with peaks on a Clifford torus. Mathematische Nachrichten, 2016, 289, 1131-1147.	0.4	2
86	Layered solutions for a fractional inhomogeneous Allen–Cahn equation. Nonlinear Differential Equations and Applications, 2016, 23, 1.	0.4	6
87	On the uniqueness of solutions of a nonlocal elliptic system. Mathematische Annalen, 2016, 365, 105-153.	0.7	17
88	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
89	On stable solutions of the fractional Hénon–Lane–Emden equation. Communications in Contemporary Mathematics, 2016, 18, 1650005.	0.6	22
90	Solutions without any symmetry for semilinear elliptic problems. Journal of Functional Analysis, 2016, 270, 884-956.	0.7	9

#	Article	IF	Citations
91	On Non-topological Solutions of the ?â„ and ?â„ Chern-Simons System. Memoirs of the American Mathematical Society, 2016, 239, 0-0.	0.5	4
92	On non-topological solutions of the $mathbf{G}_2$ Chernâ€“Simons system. Communications in Analysis and Geometry, 2016, 24, 717-752.	0.2	6
93	Serrinâ€™s overdetermined problem and constant mean curvature surfaces. Duke Mathematical Journal, 2015, 164, .	0.8	26
94	Singly Periodic Solutions of the Allen-Cahn Equation and the Toda Lattice. Communications in Partial Differential Equations, 2015, 40, 329-356.	1.0	7
95	A Double Bubble Assembly as a New Phase of a Ternary Inhibitory System. Archive for Rational Mechanics and Analysis, 2015, 215, 967-1034.	1.1	19
96	Existence and Stability of a Spike in the Central Component for a Consumer Chain Model. Journal of Dynamics and Differential Equations, 2015, 27, 1141-1171.	1.0	2
97	Nondegeneracy of Nodal Solutions to the Critical Yamabe Problem. Communications in Mathematical Physics, 2015, 340, 1049-1107.	1.0	26
98	On a general SU(3) Toda system. Calculus of Variations and Partial Differential Equations, 2015, 54, 3353-3372.	0.9	5
99	Convergence rate, location and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msubsup><mml:mrow><mml:mo>â^,</mml:mo></mml:mrow><mml:mrow><mml:mi>z</mml:mi></mml:mrow> for fully bubbling solutions to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mrow><mml:mi		

#	Article	IF	Citations
109	Profile of the least energy solution of a singular perturbed Neumann problem with mixed powers. Annali Di Matematica Pura Ed Applicata, 2014, 193, 39-70.	0.5	1
110	A monotonicity formula and a Liouville-type theorem for a fourth order supercritical problem. Advances in Mathematics, 2014, 258, 240-285.	0.5	61
111	Regularization of Point Vortices Pairs for the Euler Equation in Dimension Two. Archive for Rational Mechanics and Analysis, 2014, 212, 179-217.	1.1	53
112	Mathematical Aspects of Pattern Formation in Biological Systems. Applied Mathematical Sciences (Switzerland), 2014, , .	0.4	29
113	Logarithmic Expansions and the Stability of Periodic Patterns of Localized Spots for Reactionâ€“Diffusion Systems in $${mathbb {R}}^2$$ R 2. Journal of Nonlinear Science, 2014, 24, 857-912.	1.0	12
114	On Phase-Separation Models: Asymptotics and Qualitative Properties. Archive for Rational Mechanics and Analysis, 2013, 208, 163-200.	1.1	48
115	A Double Bubble in a Ternary System with Inhibitory Long Range Interaction. Archive for Rational Mechanics and Analysis, 2013, 208, 201-253.	1.1	19
116	An optimal bound on the number of interior spike solutions for the Linâ€“Niâ€“Takagi problem. Journal of Functional Analysis, 2013, 265, 1324-1356.	0.7	22
117	Non-compactness of the prescribed Q-curvature problem in large dimensions. Calculus of Variations and Partial Differential Equations, 2013, 46, 123-164.	0.9	16
118	Existence and concentration of semi-classical solutions for a nonlinear Maxwell-Dirac system. Journal of Mathematical Physics, 2013, 54, 061505.	0.5	17
119	Traveling Waves with Multiple and Nonconvex Fronts for a Bistable Semilinear Parabolic Equation. Communications on Pure and Applied Mathematics, 2013, 66, 481-547.	1.2	23
120	Stable solutions of the Allenâ€“Cahn equation in dimension 8 and minimal cones. Journal of Functional Analysis, 2013, 264, 1131-1167.	0.7	30
121	SchrÃ¶dingerâ€“Poisson systems in the 3-sphere. Calculus of Variations and Partial Differential Equations, 2013, 47, 25-54.	0.9	18
122	On entire solutions of an elliptic system modeling phase separations. Advances in Mathematics, 2013, 243, 102-126.	0.5	45
123	Vortex rings for the Grossâ€“Pitaevskii equation 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>3</mml:mn></mml:mrow></mml:msup></mml:math>.	0.8	9
124	On large ring solutions for Gierer–Meinhardt system 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>3</mml:mn></mml:mrow></mml:msup></mml:math>. Journal of Differential Equations, 2013, 255, 1408-1436.	1.1	12
125	Liouville theorems for stable solutions of biharmonic problem. Mathematische Annalen, 2013, 356, 1599-1612.	0.7	35
126	Infinite multiplicity for an inhomogeneous supercritical problem in entire space. Communications on Pure and Applied Analysis, 2013, 12, 1243-1257.	0.4	2

#	Article	IF	Citations
127	New entire positive solution for the nonlinear SchrÃ¶dinger equation: Coexistence of fronts and bumps. American Journal of Mathematics, 2013, 135, 443-491.	0.5	8
128	Entire solutions of the Allen-Cahn equation and complete embedded minimal surfaces of finite total curvature in $mathbb{R}^3$. Journal of Differential Geometry, 2013, 93, .	0.5	37
129	Point Ruptures for a MEMS Equation with Fringing Field. Communications in Partial Differential Equations, 2012, 37, 1462-1493.	1.0	13
130	Vortex-peak interaction and lattice shape in rotating two-component Bose-Einstein condensates. Physical Review A, 2012, 85, .	1.0	32
131	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.	0.7	38
132	Vortex Ring Pinning for the Gross--Pitaevskii Equation in Three-Dimensional Space. SIAM Journal on Mathematical Analysis, 2012, 44, 3991-4047.	0.9	7
133	Classification and nondegeneracy of SU(n+1) Toda system with singular sources. Inventiones Mathematicae, 2012, 190, 169-207.	1.3	61
134	Sharp estimates for fully bubbling solutions of a SU(3) Toda system. Geometric and Functional Analysis, 2012, 22, 1591-1635.	0.6	20
135	Asymptotic behavior of SU(3) Toda system in a bounded domain. Manuscripta Mathematica, 2012, 137, 1-18.	0.3	14
136	Flow-distributed spikes for Schnakenberg kinetics. Journal of Mathematical Biology, 2012, 64, 211-254.	0.8	21
137	Resonant states for the static Kleinâ€“Gordonâ€“Maxwellâ€“Proca system. Mathematical Research Letters, 2012, 19, 953-967.	0.2	17
138	Infinitely many positive solutions for an elliptic problem with critical or supercritical growth. Journal Des Mathematiques Pures Et Appliquees, 2011, 96, 307-333.	0.8	37
139	Asymptotic behavior of solutions of a biharmonic Dirichlet problem with large exponents. Journal D'Analyse Mathematique, 2011, 115, 1-31.	0.4	6
140	2Ï€-periodic self-similar solutions for the anisotropic affine curve shortening problem. Calculus of Variations and Partial Differential Equations, 2011, 41, 535-565.	0.9	23
141	Solutions to the Allen Cahn Equation and Minimal Surfaces. Milan Journal of Mathematics, 2011, 79, 39-65.	0.7	6
142	Topological degree for solutions of fourth order mean field equations. Mathematische Zeitschrift, 2011, 268, 675-705.	0.4	4
143	On nondegeneracy of solutions to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" overflow="scroll"><mml:mi mathvariant="italic">SU</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>3</mml:mn><mml:mo stretchy="false">)</mml:mo></mml:math> Toda system. Comptes Rendus Mathematique, 2011, 349, 185-190.	0.1	8
144	ASYMPTOTIC AXISYMMETRY OF THE SUBSONIC TRAVELING WAVES TO THE GROSSâ€“PITAEVSKII EQUATION. Communications in Contemporary Mathematics, 2011, 13, 1095-1104.	0.6	1

#	Article	IF	Citations
145	On Lin-Ni's conjecture in convex domains. Proceedings of the London Mathematical Society, 2011, 102, 1099-1126.	0.6	26
146	On Ambrosettiâ€“Malchiodiâ€“Ni Conjecture for General Hypersurfaces. Communications in Partial Differential Equations, 2011, 36, 2117-2161.	1.0	13
147	On De Giorgi's conjecture in dimension Nâ‰¥9. Annals of Mathematics, 2011, 174, 1485-1569.	2.1	165
148	Qualitative properties of entire radial solutions for a biharmonic equation with supercritical nonlinearity. Proceedings of the American Mathematical Society, 2010, 138, 3957-3957.	0.4	25
149	Interface Foliation near Minimal Submanifolds in Riemannian Manifolds with Positive Ricci Curvature. Geometric and Functional Analysis, 2010, 20, 918-957.	0.6	39
150	Infinitely many positive solutions for the nonlinear SchrÃ¶dinger equations in $${mathbb{R}^N}$$. Calculus of Variations and Partial Differential Equations, 2010, 37, 423-439.	0.9	104
151	Traveling wave solutions of the SchrÃ¶dinger map equation. Communications on Pure and Applied Mathematics, 2010, 63, 1585-1621.	1.2	19
152	Multiple-end solutions to the Allenâ€“Cahn equation 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, 458-503.	0.7	70
153	Infinitely many solutions for the prescribed scalar curvature problem on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mi mathvariant="double-struck">S</mml:mi><mml:mi>N</mml:mi></mml:msup></mml:math>. Journal of Functional Analysis, 2010, 258, 3048-3081.	0.7	141
154	The Toda system and multiple-end solutions of autonomous planar elliptic problems. Advances in Mathematics, 2010, 224, 1462-1516.	0.5	43
155	A Neumann problem with critical exponent in nonconvex domains and Lin-Niâ€™s conjecture. Transactions of the American Mathematical Society, 2010, 362, 4581-4615.	0.5	38
156	On least energy solutions to a semilinear elliptic equation in a strip. Discrete and Continuous Dynamical Systems, 2010, 28, 1083-1099.	0.5	13
157	Strongly interacting bumps for the SchrÃ¶dingerâ€“Newton equations. Journal of Mathematical Physics, 2009, 50, .	0.5	142
158	On a phase field problem driven by interface area and interface curvature. European Journal of Applied Mathematics, 2009, 20, 531-556.	1.4	4
159	Non-simple blow-up solutions for the Neumann two-dimensional sinh-Gordon equation. Calculus of Variations and Partial Differential Equations, 2009, 34, 341-375.	0.9	25
160	Spikes for the Giererâ€“Meinhardt System withÂDiscontinuous DiffusionÂCoefficients. Journal of Nonlinear Science, 2009, 19, 301-339.	1.0	12
161	On the Gierer-Meinhardt system with precursors. Discrete and Continuous Dynamical Systems, 2009, 25, 363-398.	0.5	20
162	Radial Solutions and Phase Separation in a System of Two Coupled SchrÃ¶dinger Equations. Archive for Rational Mechanics and Analysis, 2008, 190, 83-106.	1.1	154

#	Article	IF	Citations
163	The Toda System and Clustering Interfaces in the Allenâ€“Cahn equation. Archive for Rational Mechanics and Analysis, 2008, 190, 141-187.	1.1	49
164	Stationary multiple spots for reactionâ€“diffusion systems. Journal of Mathematical Biology, 2008, 57, 53-89.	0.8	57
165	Nonradial solutions for a conformally invariant fourth order equation in $$mathbb {R}^4$$. Calculus of Variations and Partial Differential Equations, 2008, 32, 373-386.	0.9	31
166	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
167	Positive clustered layered solutions for the Giererâ€“Meinhardt system. Journal of Differential Equations, 2008, 245, 964-993.	1.1	8
168	Analysis of boundary bubbling solutions for an anisotropic Emdenâ€“Fowler equation. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2008, 25, 425-447.	0.7	9
169	Mutually Exclusive Spiky Pattern and Segmentation Modeled by the Five-Component Meinhardtâ€“Gierer System. SIAM Journal on Applied Mathematics, 2008, 69, 419-452.	0.8	4
170	Spherical Solutions to a Nonlocal Free Boundary Problem from Diblock Copolymer Morphology. SIAM Journal on Mathematical Analysis, 2008, 39, 1497-1535.	0.9	50
171	STATIONARY STATES OF NONLINEAR DIRAC EQUATIONS WITH GENERAL POTENTIALS. Reviews in Mathematical Physics, 2008, 20, 1007-1032.	0.7	60
172	Multiple Clustered Layer Solutions for Semilinear Elliptic Problems onSⁿ. Communications in Partial Differential Equations, 2008, 33, 613-635.	1.0	9
173	Infinitely many turning points for an elliptic problem with a singular non-linearity. Journal of the London Mathematical Society, 2008, 78, 21-35.	0.5	33
174	Existence and Stability of Spikes for the Giererâ€“Meinhardt System. Handbook of Differential Equations: Stationary Partial Differential Equations, 2008, 5, 487-585.	0.7	36
175	MANY DROPLET PATTERN IN THE CYLINDRICAL PHASE OF DIBLOCK COPOLYMER MORPHOLOGY. Reviews in Mathematical Physics, 2007, 19, 879-921.	0.7	54
176	Stability of spikes in the shadow Gierer-Meinhardt system with Robin boundary conditions. Chaos, 2007, 17, 037106.	1.0	11
177	Symmetry of non-negative solutions of a semilinear elliptic equation with singular nonlinearity. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2007, 137, 963-994.	0.8	20
178	Concentration on lines for a singularly perturbed Neumann problem in two-dimensional domains. Indiana University Mathematics Journal, 2007, 56, 3025-3074.	0.4	22
179	Supercritical elliptic problems in domains with small holes. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2007, 24, 507-520.	0.7	35
180	Arbitrary many boundary peak solutions for an elliptic Neumann problem with critical growth. Journal Des Mathematiques Pures Et Appliquees, 2007, 88, 350-378.	0.8	21

#	Article	IF	Citations
181	Standing waves for supercritical nonlinear SchrÃ¶dinger equations. Journal of Differential Equations, 2007, 236, 164-198.	1.1	28
182	Sign-changing solutions for supercritical elliptic problems in domains with small holes. Manuscripta Mathematica, 2007, 123, 493-511.	0.3	12
183	Symmetric and asymmetric multiple clusters in a reaction-diffusion system. Nonlinear Differential Equations and Applications, 2007, 14, 787-823.	0.4	9
184	Bubble accumulations in an elliptic Neumann problem with critical Sobolev exponent. Calculus of Variations and Partial Differential Equations, 2007, 30, 153-182.	0.9	9
185	Boundary interface for the Allenâ€“Cahn equation. Journal of Fixed Point Theory and Applications, 2007, 1, 305-336.	0.6	24
186	Bound states for a coupled SchrÃ¶dinger system. Journal of Fixed Point Theory and Applications, 2007, 2, 353-367.	0.6	163
187	Existence, Classification and Stability Analysis of Multiple-peaked Solutions for the Gierer-Meinhardt System in R¹. Methods and Applications of Analysis, 2007, 14, 119-164.	0.1	40
188	On positive solutions concentrating on spheres for the Giererâ€“Meinhardt system. Journal of Differential Equations, 2006, 221, 158-189.	1.1	79
189	Standing waves in the Maxwell-SchrÃ¶dinger equation and an optimal configuration problem. Calculus of Variations and Partial Differential Equations, 2006, 25, 105-137.	0.9	59
190	Droplet solutions in the diblock copolymer problem with skewed monomer composition. Calculus of Variations and Partial Differential Equations, 2006, 25, 333-359.	0.9	22
191	Bubbling solutions for an anisotropic Emdenâ€“Fowler equation. Calculus of Variations and Partial Differential Equations, 2006, 28, 217-247.	0.9	34
192	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
193	Concentrating solutions for the HÃ©non equation in â„2. Journal D'Analyse Mathematique, 2006, 100, 249-280.	0.4	45
194	BOUNDARY CONCENTRATION IN RADIAL SOLUTIONS TO A SYSTEM OF SEMILINEAR ELLIPTIC EQUATIONS. Journal of the London Mathematical Society, 2006, 74, 415-440.	0.5	8
195	Collapsing steady states of the Kellerâ€“Segel system. Nonlinearity, 2006, 19, 661-684.	0.6	39
196	The Existence and Stability of Spike Equilibria in the Oneâ€Dimensional Grayâ€“Scott Model: The Low Feedâ€Rate Regime. Studies in Applied Mathematics, 2005, 115, 21-71.	1.1	57
197	On the number of nodal solutions to a singularly perturbed Neumann problem. Manuscripta Mathematica, 2005, 117, 333-344.	0.3	17
198	Ground State of N Coupled Nonlinear Schrï¿½dinger Equations in Rn,n?3. Communications in Mathematical Physics, 2005, 255, 629-653.	1.0	351

#	Article	IF	Citations
199	The existence and stability of spike equilibria in the one-dimensional Grayâ€“Scott model: The pulse-splitting regime. Physica D: Nonlinear Phenomena, 2005, 202, 258-293.	1.3	68
200	Arbitrary Number of Positive Solutions For an Elliptic Problem with Critical Nonlinearity. Journal of the European Mathematical Society, 2005, 7, 449-476.	0.7	27
201	Wriggled Lamellar Solutions and Their Stability in the Diblock Copolymer Problem. SIAM Journal on Mathematical Analysis, 2005, 37, 455-489.	0.9	35
202	Uniqueness and a priori estimates for some nonlinear elliptic Neumann equations in â„3. Pacific Journal of Mathematics, 2005, 221, 159-165.	0.2	17
203	EXISTENCE AND STABILITY OF MULTIPLE SPOT SOLUTIONS FOR THE GRAY-SCOTT MODEL IN R2. , 2005, , .		0
204	Stability of spot and ring solutions of the diblock copolymer equation. Journal of Mathematical Physics, 2004, 45, 4106-4133.	0.5	23
205	ON THE GIERERâ€“MEINHARDT SYSTEM WITH SATURATION. Communications in Contemporary Mathematics, 2004, 06, 259-277.	0.6	15
206	Higher-order energy expansions and spike locations. Calculus of Variations and Partial Differential Equations, 2004, 20, 403.	0.9	2
207	Stability analysis of Turing patterns generated by the Schnakenberg model. Journal of Mathematical Biology, 2004, 49, 358-390.	0.8	78
208	Existence and stability analysis of asymmetric patterns for the Gierer–Meinhardt system. Journal Des Mathematiques Pures Et Appliquees, 2004, 83, 433-476.	0.8	28
209	EXISTENCE AND STABILITY OF LAMELLAR AND WRIGGLED LAMELLAR SOLUTIONS IN THE DIBLOCK COPOLYMER PROBLEM. , 2004, , .		0
210	Locating the peaks of solutions via the maximum principle II: A local version of the method of moving planes. Communications on Pure and Applied Mathematics, 2003, 56, 784-809.	1.2	25
211	Existence and stability of multiple-spot solutions for the Grayâ€“Scott model in R2. Physica D: Nonlinear Phenomena, 2003, 176, 147-180.	1.3	49
212	Multi-bump ground states ofÂtheÂGierer–Meinhardt system in â„2. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2003, 20, 53-85.	0.7	31
213	Asymmetric Spotty Patterns for the Gray-Scott Model in R2. Studies in Applied Mathematics, 2003, 110, 63-102.	1.1	36
214	On the Spectra of Three-Dimensional Lamellar Solutions of the Diblock Copolymer Problem. SIAM Journal on Mathematical Analysis, 2003, 35, 1-32.	0.9	50
215	A Nonlocal Eigenvalue Problem and the Stability of Spikes for Reactionâ€“Diffusion Systems with Fractional Reaction Rates. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 1529-1543.	0.7	8
216	On energy minimizers of the diblock copolymer problem. Interfaces and Free Boundaries, 2003, 5, 193-238.	0.2	61

#	Article	IF	Citations
217	Concentrically layered energy equilibria of the di-block copolymer problem. European Journal of Applied Mathematics, 2002, 13, 479-496.	1.4	44
218	Critical Threshold and Stability of Cluster Solutions for Large Reaction-Diffusion Systems inR1. SIAM Journal on Mathematical Analysis, 2002, 33, 1058-1089.	0.9	16
219	Spikes for the Gierer–Meinhardt System in Two Dimensions: The Strong Coupling Case. Journal of Differential Equations, 2002, 178, 478-518.	1.1	74
220	Dynamics of metastable localized patterns and its application to the interaction of spike solutions for the Gierer-Meinhardt systems in two spatial dimensions. Japan Journal of Industrial and Applied Mathematics, 2002, 19, 181-226.	0.5	19
221	The Existence and Stability of Asymmetric Spike Patterns for the Schnakenberg Model. Studies in Applied Mathematics, 2002, 109, 229-264.	1.1	72
222	MULTIPLE CONDENSATIONS FOR A NONLINEAR ELLIPTIC EQUATION WITH SUB-CRITICAL GROWTH AND CRITICAL BEHAVIOUR. Proceedings of the Edinburgh Mathematical Society, 2001, 44, 631-660.	0.2	5
223	Uniqueness and critical spectrum of boundary spike solutions. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2001, 131, 1457-1480.	0.8	23
224	Solutions for the Cahn–Hilliard equation with many boundary spike layers. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2001, 131, 185-204.	0.8	3
225	Self-similar solutions for the anisotropic affine curve shortening problem. Calculus of Variations and Partial Differential Equations, 2001, 13, 311-337.	0.9	56
226	On conformally invariant equation $$(- Delta)^p u - K(x)u^{frac{{N + 2p}}{{N - 2p}}} = 0$$ and its generalizationsand its generalizations. Annali Di Matematica Pura Ed Applicata, 2001, 179, 309-329.	0.5	10
227	Pattern formations in two-dimensional Gray–Scott model: existence of single-spot solutions and their stability. Physica D: Nonlinear Phenomena, 2001, 148, 20-48.	1.3	45
228	The stability of spike solutions to the one-dimensional Gierer–Meinhardt model. Physica D: Nonlinear Phenomena, 2001, 150, 25-62.	1.3	188
229	Multiple boundary peak solutions for some singularly perturbed Neumann problems. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2000, 17, 47-82.	0.7	150
230	Existence of multipeak solutions for a semilinear Neumann problem via nonsmooth critical point theory. Calculus of Variations and Partial Differential Equations, 2000, 11, 143-175.	0.9	75
231	Multi-peak solutions for some singular perturbation problems. Calculus of Variations and Partial Differential Equations, 2000, 10, 119-134.	0.9	39
232	Multi-interior-spike solutions for the Cahn-Hilliard equation with arbitrarily many peaks. Calculus of Variations and Partial Differential Equations, 2000, 10, 249-289.	0.9	6
233	On Multiple Mixed Interior and Boundary Peak Solutions for Some Singularly Perturbed Neumann Problems. Canadian Journal of Mathematics, 2000, 52, 522-538.	0.3	134
234	On the role of distance function in some singular perturbation problems. Communications in Partial Differential Equations, 2000, 25, 155-177.	1.0	44

#	Article	IF	Citations
235	On a two-dimensional reaction-diffusion system with hypercyclical structure. Nonlinearity, 2000, 13, 2005-2032.	0.6	10
236	On the Multiplicity of Solutions of Two Nonlocal Variational Problems. SIAM Journal on Mathematical Analysis, 2000, 31, 909-924.	0.9	97
237	Multi-Peak Solutions for a Wide Class of Singular Perturbation Problems. Journal of the London Mathematical Society, 1999, 59, 585-606.	0.5	70
238	Existence, stability and metastability of point condensation patterns generated by the Gray-Scott system. Nonlinearity, 1999, 12, 593-616.	0.6	32
239	Multiple interior peak solutions for some singularly perturbed neumann problems. Journal of Differential Equations, 1999, 158, 1-27.	1.1	191
240	Classification of solutions of higher order conformally invariant equations. Mathematische Annalen, 1999, 313, 207-228.	0.7	281
241	On the Role of Mean Curvature in Some Singularly Perturbed Neumann Problems. SIAM Journal on Mathematical Analysis, 1999, 31, 63-79.	0.9	96
242	On the Two-Dimensional Gierer–Meinhardt System with Strong Coupling. SIAM Journal on Mathematical Analysis, 1999, 30, 1241-1263.	0.9	56
243	On single interior spike solutions of the Gierer–Meinhardt system: uniqueness and spectrum estimates. European Journal of Applied Mathematics, 1999, 10, 353-378.	1.4	138
244	Stationary solutions for the Cahn-Hilliard equation. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 1998, 15, 459-492.	0.7	102
245	Conditions for two-peaked solutions of singularly perturbed elliptic equations. Manuscripta Mathematica, 1998, 96, 113-131.	0.3	14
246	On nonlinear Schrödinger equations with totally degenerate potentials. Comptes Rendus Mathematique, 1998, 326, 691-696.	0.5	10
247	On the location of spikes and profile of nodalsolutions for a singularly perturbed neumann problem. Communications in Partial Differential Equations, 1998, 23, 793-816.	1.0	13
248	On the interior spike solutions for some singular perturbation problems. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1998, 128, 849-874.	0.8	40
249	On the profile of solutions with two sharp layers to a singularly perturbed semilinear Dirichlet problem. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1997, 127, 691-701.	0.8	30
250	Asymptotic behavior of a nonlinear fourth order eigenvalue problem. Communications in Partial Differential Equations, 1996, 21, 1451-1467.	1.0	54
251	Monotonicity Formula and Classification of Stable Solutions to Polyharmonic Lane–Emden Equations. International Mathematics Research Notices, 0, , .	0.5	1