

# Juncheng Wei

## List of Publications by Year in descending order

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citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Ground State of N Coupled Nonlinear Schrödinger Equations in $\mathbb{R}^n$ . Communications in Mathematical Physics, 2005, 255, 629-653.                                    | 1.0 | 351       |
| 2  | Classification of solutions of higher order conformally invariant equations. Mathematische Annalen, 1999, 313, 207-228.  | 0.7 | 281       |
| 3  | Multiple interior peak solutions for some singularly perturbed Neumann problems. Journal of Differential Equations, 1999, 158, 1-27.   | 1.1 | 191       |
| 4  | The stability of spike solutions to the one-dimensional Gierer-Meinhardt model. Physica D: Nonlinear Phenomena, 2001, 150, 25-62.  | 1.3 | 188       |
| 5  | Concentrating standing waves for the fractional nonlinear Schrödinger equation. Journal of Differential Equations, 2014, 256, 858-892.                                       | 1.1 | 180       |
| 6  | On De Giorgi's conjecture in dimension $N \leq 9$ . Annals of Mathematics, 2011, 174, 1485-1569.   | 2.1 | 165       |
| 7  | Bound states for a coupled Schrödinger system. Journal of Fixed Point Theory and Applications, 2007, 2, 353-367.   | 0.6 | 163       |
| 8  | Radial Solutions and Phase Separation in a System of Two Coupled Schrödinger Equations. Archive for Rational Mechanics and Analysis, 2008, 190, 83-106.                      | 1.1 | 154       |
| 9  | 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       |
| 10 | Strongly interacting bumps for the Schrödinger-Newton equations. Journal of Mathematical Physics, 2009, 50, .  | 0.5 | 142       |
| 11 | Infinitely many solutions for the prescribed scalar curvature problem on $\mathbb{S}^N$ . Journal of Functional Analysis, 2010, 258, 3048-3081.                              | 0.7 | 141       |
| 12 | 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       |
| 13 | 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       |
| 14 | Infinitely many positive solutions for the nonlinear Schrödinger equations in $\mathbb{R}^N$ . Calculus of Variations and Partial Differential Equations, 2010, 37, 423-439. | 0.9 | 104       |
| 15 | Stationary solutions for the Cahn-Hilliard equation. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 1998, 15, 459-492.                                       | 0.7 | 102       |
| 16 | On the Multiplicity of Solutions of Two Nonlocal Variational Problems. SIAM Journal on Mathematical Analysis, 2000, 31, 909-924.   | 0.9 | 97        |
| 17 | On the Role of Mean Curvature in Some Singularly Perturbed Neumann Problems. SIAM Journal on Mathematical Analysis, 1999, 31, 63-79.   | 0.9 | 96        |
| 18 | On positive solutions concentrating on spheres for the Gierer-Meinhardt system. Journal of Differential Equations, 2006, 221, 158-189.                                       | 1.1 | 79        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Stability analysis of Turing patterns generated by the Schnakenberg model. <i>Journal of Mathematical Biology</i> , 2004, 49, 358-390.   | 0.8 | 78        |
| 20 | Existence of multipole solutions for a semilinear Neumann problem via nonsmooth critical point theory. <i>Calculus of Variations and Partial Differential Equations</i> , 2000, 11, 143-175. | 0.9 | 75        |
| 21 | Spikes for the Gierer-Meinhardt System in Two Dimensions: The Strong Coupling Case. <i>Journal of Differential Equations</i> , 2002, 178, 478-518.   | 1.1 | 74        |
| 22 | The Existence and Stability of Asymmetric Spike Patterns for the Schnakenberg Model. <i>Studies in Applied Mathematics</i> , 2002, 109, 229-264.   | 1.1 | 72        |
| 23 | Multi-Peak Solutions for a Wide Class of Singular Perturbation Problems. <i>Journal of the London Mathematical Society</i> , 1999, 59, 585-606.  | 0.5 | 70        |
| 24 | Multiple-end solutions to the Allen-Cahn equation in $\mathbb{R}^2$ . <i>Journal of Functional Analysis</i> , 2010, 258, 458-503.  | 0.7 | 70        |
| 25 | The existence and stability of spike equilibria in the one-dimensional Gray-Scott model: The pulse-splitting regime. <i>Physica D: Nonlinear Phenomena</i> , 2005, 202, 258-293.             | 1.3 | 68        |
| 26 | On energy minimizers of the diblock copolymer problem. <i>Interfaces and Free Boundaries</i> , 2003, 5, 193-238.   | 0.2 | 61        |
| 27 | Classification and nondegeneracy of $SU(n+1)$ Toda system with singular sources. <i>Inventiones Mathematicae</i> , 2012, 190, 169-207.   | 1.3 | 61        |
| 28 | A monotonicity formula and a Liouville-type theorem for a fourth order supercritical problem. <i>Advances in Mathematics</i> , 2014, 258, 240-285.   | 0.5 | 61        |
| 29 | STATIONARY STATES OF NONLINEAR DIRAC EQUATIONS WITH GENERAL POTENTIALS. <i>Reviews in Mathematical Physics</i> , 2008, 20, 1007-1032.  | 0.7 | 60        |
| 30 | Standing waves in the Maxwell-Schrödinger equation and an optimal configuration problem. <i>Calculus of Variations and Partial Differential Equations</i> , 2006, 25, 105-137.               | 0.9 | 59        |
| 31 | The Existence and Stability of Spike Equilibria in the One-Dimensional Gray-Scott Model: The Low Feed-Rate Regime. <i>Studies in Applied Mathematics</i> , 2005, 115, 21-71.                 | 1.1 | 57        |
| 32 | Stationary multiple spots for reaction-diffusion systems. <i>Journal of Mathematical Biology</i> , 2008, 57, 53-89.  | 0.8 | 57        |
| 33 | On the Two-Dimensional Gierer-Meinhardt System with Strong Coupling. <i>SIAM Journal on Mathematical Analysis</i> , 1999, 30, 1241-1263.   | 0.9 | 56        |
| 34 | Self-similar solutions for the anisotropic affine curve shortening problem. <i>Calculus of Variations and Partial Differential Equations</i> , 2001, 13, 311-337.                            | 0.9 | 56        |
| 35 | Asymptotic behavior of a nonlinear fourth order eigenvalue problem. <i>Communications in Partial Differential Equations</i> , 1996, 21, 1451-1467.   | 1.0 | 54        |
| 36 | MANY DROPLET PATTERN IN THE CYLINDRICAL PHASE OF DIBLOCK COPOLYMER MORPHOLOGY. <i>Reviews in Mathematical Physics</i> , 2007, 19, 879-921.   | 0.7 | 54        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Regularization of Point Vortices Pairs for the Euler Equation in Dimension Two. <i>Archive for Rational Mechanics and Analysis</i> , 2014, 212, 179-217.   | 1.1 | 53        |
| 38 | Sign-changing blowing-up solutions for supercritical Bahri's problem. <i>Calculus of Variations and Partial Differential Equations</i> , 2016, 55, 1.  | 0.9 | 51        |
| 39 | On the Spectra of Three-Dimensional Lamellar Solutions of the Diblock Copolymer Problem. <i>SIAM Journal on Mathematical Analysis</i> , 2003, 35, 1-32.  | 0.9 | 50        |
| 40 | Spherical Solutions to a Nonlocal Free Boundary Problem from Diblock Copolymer Morphology. <i>SIAM Journal on Mathematical Analysis</i> , 2008, 39, 1497-1535.                                     | 0.9 | 50        |
| 41 | Existence and stability of multiple-spot solutions for the Gray-Scott model in $\mathbb{R}^2$ . <i>Physica D: Nonlinear Phenomena</i> , 2003, 176, 147-180.  | 1.3 | 49        |
| 42 | The Toda System and Clustering Interfaces in the Allen-Cahn equation. <i>Archive for Rational Mechanics and Analysis</i> , 2008, 190, 141-187.   | 1.1 | 49        |
| 43 | On Phase-Separation Models: Asymptotics and Qualitative Properties. <i>Archive for Rational Mechanics and Analysis</i> , 2013, 208, 163-200.   | 1.1 | 48        |
| 44 | Pattern formations in two-dimensional Gray-Scott model: existence of single-spot solutions and their stability. <i>Physica D: Nonlinear Phenomena</i> , 2001, 148, 20-48.                          | 1.3 | 45        |
| 45 | Concentrating solutions for the Hénon equation in $\mathbb{R}^2$ . <i>Journal D'Analyse Mathématique</i> , 2006, 100, 249-280.   | 0.4 | 45        |
| 46 | On entire solutions of an elliptic system modeling phase separations. <i>Advances in Mathematics</i> , 2013, 243, 102-126.   | 0.5 | 45        |
| 47 | On the role of distance function in some singular perturbation problems. <i>Communications in Partial Differential Equations</i> , 2000, 25, 155-177.  | 1.0 | 44        |
| 48 | Concentrically layered energy equilibria of the di-block copolymer problem. <i>European Journal of Applied Mathematics</i> , 2002, 13, 479-496.  | 1.4 | 44        |
| 49 | The Toda system and multiple-end solutions of autonomous planar elliptic problems. <i>Advances in Mathematics</i> , 2010, 224, 1462-1516.  | 0.5 | 43        |
| 50 | On the fractional Lane-Emden equation. <i>Transactions of the American Mathematical Society</i> , 2017, 369, 6087-6104.  | 0.5 | 41        |
| 51 | On the interior spike solutions for some singular perturbation problems. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 1998, 128, 849-874.                         | 0.8 | 40        |
| 52 | Existence, Classification and Stability Analysis of Multiple-peaked Solutions for the Gierer-Meinhardt System in $\mathbb{R}^n$ . <i>Methods and Applications of Analysis</i> , 2007, 14, 119-164. | 0.1 | 40        |
| 53 | Multi-peak solutions for some singular perturbation problems. <i>Calculus of Variations and Partial Differential Equations</i> , 2000, 10, 119-134.  | 0.9 | 39        |
| 54 | Collapsing steady states of the Keller-Segel system. <i>Nonlinearity</i> , 2006, 19, 661-684.  | 0.6 | 39        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Interface Foliation near Minimal Submanifolds in Riemannian Manifolds with Positive Ricci Curvature. Geometric and Functional Analysis, 2010, 20, 918-957.                         | 0.6 | 39        |
| 56 | A Neumann problem with critical exponent in nonconvex domains and Lin-Ni's conjecture. Transactions of the American Mathematical Society, 2010, 362, 4581-4615.                    | 0.5 | 38        |
| 57 | Finite-energy sign-changing solutions with dihedral symmetry for the stationary nonlinear Schrödinger equation. Journal of the European Mathematical Society, 2012, 14, 1923-1953. | 0.7 | 38        |
| 58 | 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        |
| 59 | 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        |
| 60 | Asymmetric Spotty Patterns for the Gray-Scott Model in $\mathbb{R}^2$ . Studies in Applied Mathematics, 2003, 110, 63-102.   | 1.1 | 36        |
| 61 | Existence and Stability of Spikes for the Gierer-Meinhardt System. Handbook of Differential Equations: Stationary Partial Differential Equations, 2008, 5, 487-585.                | 0.7 | 36        |
| 62 | Ground states of nonlinear Schrödinger systems with mixed couplings. Journal Des Mathematiques Pures Et Appliquees, 2020, 141, 50-88.  | 0.8 | 36        |
| 63 | Wiggled Lamellar Solutions and Their Stability in the Diblock Copolymer Problem. SIAM Journal on Mathematical Analysis, 2005, 37, 455-489.   | 0.9 | 35        |
| 64 | 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        |
| 65 | 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        |
| 66 | Liouville theorems for stable solutions of biharmonic problem. Mathematische Annalen, 2013, 356, 1599-1612.  | 0.7 | 35        |
| 67 | Bubbling solutions for an anisotropic Emden-Fowler equation. Calculus of Variations and Partial Differential Equations, 2006, 28, 217-247.   | 0.9 | 34        |
| 68 | 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        |
| 69 | 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        |
| 70 | Delaunay-type singular solutions for the fractional Yamabe problem. Mathematische Annalen, 2017, 369, 597-626.   | 0.7 | 33        |
| 71 | Existence, stability and metastability of point condensation patterns generated by the Gray-Scott system. Nonlinearity, 1999, 12, 593-616.   | 0.6 | 32        |
| 72 | Vortex-peak interaction and lattice shape in rotating two-component Bose-Einstein condensates. Physical Review A, 2012, 85, .  | 1.0 | 32        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Infinitely many positive solutions for nonlinear equations with non-symmetric potentials. Calculus of Variations and Partial Differential Equations, 2014, 51, 761-798.  | 0.9 | 32        |
| 74 | Multi-bump ground states of the Gierer-Meinhardt system in $\mathbb{R}^2$ . Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2003, 20, 53-85.  | 0.7 | 31        |
| 75 | 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        |
| 76 | Multi-bump solutions of $-\Delta u = K(x)u^{p-2}$ on lattices in $\mathbb{R}^n$ . Journal Fur Die Reine Und Angewandte Mathematik, 2018, 2018, 163-211.  | 0.4 | 31        |
| 77 | Gluing Methods for Vortex Dynamics in Euler Flows. Archive for Rational Mechanics and Analysis, 2020, 235, 1467-1530.  | 1.1 | 31        |
| 78 | 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        |
| 79 | Stable solutions of the Allen-Cahn equation in dimension 8 and minimal cones. Journal of Functional Analysis, 2013, 264, 1131-1167.  | 0.7 | 30        |
| 80 | Mathematical Aspects of Pattern Formation in Biological Systems. Applied Mathematical Sciences (Switzerland), 2014, .  | 0.4 | 29        |
| 81 | 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        |
| 82 | Standing waves for supercritical nonlinear Schrödinger equations. Journal of Differential Equations, 2007, 236, 164-198.   | 1.1 | 28        |
| 83 | Intermediate reduction method and infinitely many positive solutions of nonlinear Schrödinger equations with non-symmetric potentials. Calculus of Variations and Partial Differential Equations, 2015, 53, 473-523. | 0.9 | 28        |
| 84 | 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        |
| 85 | On Lin-Ni's conjecture in convex domains. Proceedings of the London Mathematical Society, 2011, 102, 1099-1126.  | 0.6 | 26        |
| 86 | Serrin's overdetermined problem and constant mean curvature surfaces. Duke Mathematical Journal, 2015, 164, .  | 0.8 | 26        |
| 87 | Nondegeneracy of Nodal Solutions to the Critical Yamabe Problem. Communications in Mathematical Physics, 2015, 340, 1049-1107.   | 1.0 | 26        |
| 88 | 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        |
| 89 | 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        |
| 90 | 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        |

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|-----|--|-----|-----------|
| 91  | Nonlocal $\mu$ -minimal surfaces and Lawson cones. <i>Journal of Differential Geometry</i> , 2018, 109, .  | 0.5 | 25        |
| 92  | Boundary interface for the Allen-Cahn equation. <i>Journal of Fixed Point Theory and Applications</i> , 2007, 1, 305-336.  | 0.6 | 24        |
| 93  | Singularity formation for the two-dimensional harmonic map flow into $S^2$ . <i>Inventiones Mathematicae</i> , 2020, 219, 345-466.   | 1.3 | 24        |
| 94  | Uniqueness and critical spectrum of boundary spike solutions. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2001, 131, 1457-1480.                                  | 0.8 | 23        |
| 95  | Stability of spot and ring solutions of the diblock copolymer equation. <i>Journal of Mathematical Physics</i> , 2004, 45, 4106-4133.  | 0.5 | 23        |
| 96  | $\mathbb{R}^2$ -periodic self-similar solutions for the anisotropic affine curve shortening problem. <i>Calculus of Variations and Partial Differential Equations</i> , 2011, 41, 535-565.         | 0.9 | 23        |
| 97  | Traveling Waves with Multiple and Nonconvex Fronts for a Bistable Semilinear Parabolic Equation. <i>Communications on Pure and Applied Mathematics</i> , 2013, 66, 481-547.                        | 1.2 | 23        |
| 98  | Droplet solutions in the diblock copolymer problem with skewed monomer composition. <i>Calculus of Variations and Partial Differential Equations</i> , 2006, 25, 333-359.                          | 0.9 | 22        |
| 99  | Concentration on lines for a singularly perturbed Neumann problem in two-dimensional domains. <i>Indiana University Mathematics Journal</i> , 2007, 56, 3025-3074.                                 | 0.4 | 22        |
| 100 | An optimal bound on the number of interior spike solutions for the Lin-Takagi problem. <i>Journal of Functional Analysis</i> , 2013, 265, 1324-1356.   | 0.7 | 22        |
| 101 | On stable solutions of the fractional Lane-Emden equation. <i>Communications in Contemporary Mathematics</i> , 2016, 18, 1650005.  | 0.6 | 22        |
| 102 | Pattern Formation in a Reaction-Diffusion System with Space-Dependent Feed Rate. <i>SIAM Review</i> , 2018, 60, 626-645.   | 4.2 | 22        |
| 103 | Arbitrary many boundary peak solutions for an elliptic Neumann problem with critical growth. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2007, 88, 350-378.                             | 0.8 | 21        |
| 104 | Flow-distributed spikes for Schnakenberg kinetics. <i>Journal of Mathematical Biology</i> , 2012, 64, 211-254.   | 0.8 | 21        |
| 105 | On higher-dimensional singularities for the fractional Yamabe problem: A nonlocal Mazzeo-Pacard program. <i>Duke Mathematical Journal</i> , 2019, 168, .   | 0.8 | 21        |
| 106 | Symmetry of non-negative solutions of a semilinear elliptic equation with singular nonlinearity. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2007, 137, 963-994. | 0.8 | 20        |
| 107 | Sharp estimates for fully bubbling solutions of a $SU(3)$ Toda system. <i>Geometric and Functional Analysis</i> , 2012, 22, 1591-1635.   | 0.6 | 20        |
| 108 | Type II Blow-up in the 5-dimensional Energy Critical Heat Equation. <i>Acta Mathematica Sinica, English Series</i> , 2019, 35, 1027-1042.  | 0.2 | 20        |

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|-----|---|-----|-----------|
| 109 | On the Gierer-Meinhardt system with precursors. <i>Discrete and Continuous Dynamical Systems</i> , 2009, 25, 363-398.   | 0.5 | 20        |
| 110 | Dynamics of metastable localized patterns and its application to the interaction of spike solutions for the Gierer-Meinhardt systems in two spatial dimensions. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2002, 19, 181-226. | 0.5 | 19        |
| 111 | Traveling wave solutions of the Schrödinger map equation. <i>Communications on Pure and Applied Mathematics</i> , 2010, 63, 1585-1621.  | 1.2 | 19        |
| 112 | A Double Bubble in a Ternary System with Inhibitory Long Range Interaction. <i>Archive for Rational Mechanics and Analysis</i> , 2013, 208, 201-253.  | 1.1 | 19        |
| 113 | A Double Bubble Assembly as a New Phase of a Ternary Inhibitory System. <i>Archive for Rational Mechanics and Analysis</i> , 2015, 215, 967-1034.   | 1.1 | 19        |
| 114 | Stable spike clusters for the one-dimensional Gierer-Meinhardt system. <i>European Journal of Applied Mathematics</i> , 2017, 28, 576-635.  | 1.4 | 19        |
| 115 | Schrödinger-Poisson systems in the 3-sphere. <i>Calculus of Variations and Partial Differential Equations</i> , 2013, 47, 25-54.  | 0.9 | 18        |
| 116 | Finite Morse Index Implies Finite Ends. <i>Communications on Pure and Applied Mathematics</i> , 2019, 72, 1044-1119.  | 1.2 | 18        |
| 117 | The Linear Stability of Symmetric Spike Patterns for a Bulk-Membrane Coupled Gierer-Meinhardt Model. <i>SIAM Journal on Applied Dynamical Systems</i> , 2019, 18, 729-768.  | 0.7 | 18        |
| 118 | On the number of nodal solutions to a singularly perturbed Neumann problem. <i>Manuscripta Mathematica</i> , 2005, 117, 333-344.  | 0.3 | 17        |
| 119 | Existence and concentration of semi-classical solutions for a nonlinear Maxwell-Dirac system. <i>Journal of Mathematical Physics</i> , 2013, 54, 061505.  | 0.5 | 17        |
| 120 | On the uniqueness of solutions of a nonlocal elliptic system. <i>Mathematische Annalen</i> , 2016, 365, 105-153.  | 0.7 | 17        |
| 121 | Infinite-time blow-up for the 3-dimensional energy-critical heat equation. <i>Analysis and PDE</i> , 2020, 13, 215-274.   | 0.6 | 17        |
| 122 | Travelling and rotating solutions to the generalized inviscid surface quasi-geostrophic equation. <i>Transactions of the American Mathematical Society</i> , 2021, 374, 6665-6689.  | 0.5 | 17        |
| 123 | Uniqueness and a priori estimates for some nonlinear elliptic Neumann equations in $\mathbb{R}^3$ . <i>Pacific Journal of Mathematics</i> , 2005, 221, 159-165.   | 0.2 | 17        |
| 124 | Resonant states for the static Klein-Gordon-Maxwell-Proca system. <i>Mathematical Research Letters</i> , 2012, 19, 953-967.   | 0.2 | 17        |
| 125 | Critical Threshold and Stability of Cluster Solutions for Large Reaction-Diffusion Systems in $\mathbb{R}^1$ . <i>SIAM Journal on Mathematical Analysis</i> , 2002, 33, 1058-1089.  | 0.9 | 16        |
| 126 | Non-compactness of the prescribed Q-curvature problem in large dimensions. <i>Calculus of Variations and Partial Differential Equations</i> , 2013, 46, 123-164.  | 0.9 | 16        |



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|-----|--|-----|-----------|
| 127 | Global minimizers of the Allen-Cahn equation in dimension $n \geq 8$ . Journal Des Mathematiques Pures Et Appliquees, 2017, 108, 818-840.  | 0.8 | 16        |
| 128 | ON THE GIERER-MEINHARDT SYSTEM WITH SATURATION. Communications in Contemporary Mathematics, 2004, 06, 259-277.   | 0.6 | 15        |
| 129 | Stable spike clusters for the precursor Gierer-Meinhardt system in $\mathbb{R}^2$ . Calculus of Variations and Partial Differential Equations, 2017, 56, 142.                        | 0.9 | 15        |
| 130 | Degree counting and Shadow system for Toda system of rank two: One bubbling. Journal of Differential Equations, 2018, 264, 4343-4401.  | 1.1 | 15        |
| 131 | Conditions for two-peaked solutions of singularly perturbed elliptic equations. Manuscripta Mathematica, 1998, 96, 113-131.  | 0.3 | 14        |
| 132 | Asymptotic behavior of SU(3) Toda system in a bounded domain. Manuscripta Mathematica, 2012, 137, 1-18.  | 0.3 | 14        |
| 133 | On the location of spikes and profile of nodal solutions for a singularly perturbed Neumann problem. Communications in Partial Differential Equations, 1998, 23, 793-816.            | 1.0 | 13        |
| 134 | On Ambrosetti-Malchiodi-Ni Conjecture for General Hypersurfaces. Communications in Partial Differential Equations, 2011, 36, 2117-2161.  | 1.0 | 13        |
| 135 | Point Ruptures for a MEMS Equation with Fringing Field. Communications in Partial Differential Equations, 2012, 37, 1462-1493.   | 1.0 | 13        |
| 136 | Estimates for Liouville equation with quantized singularities. Advances in Mathematics, 2021, 380, 107606.   | 0.5 | 13        |
| 137 | Excited states of Bose-Einstein condensates with degenerate attractive interactions. Calculus of Variations and Partial Differential Equations, 2021, 60, 1.                         | 0.9 | 13        |
| 138 | On least energy solutions to a semilinear elliptic equation in a strip. Discrete and Continuous Dynamical Systems, 2010, 28, 1083-1099.  | 0.5 | 13        |
| 139 | Sign-changing solutions for supercritical elliptic problems in domains with small holes. Manuscripta Mathematica, 2007, 123, 493-511.  | 0.3 | 12        |
| 140 | Spikes for the Gierer-Meinhardt System with Discontinuous Diffusion Coefficients. Journal of Nonlinear Science, 2009, 19, 301-339.   | 1.0 | 12        |
| 141 | On large ring solutions for Gierer-Meinhardt system in $\mathbb{R}^2$ . Journal of Differential Equations, 2013, 255, 1408-1436.   | 1.1 | 12        |
| 142 | Double tori solution to an equation of mean curvature and Newtonian potential. Calculus of Variations and Partial Differential Equations, 2014, 49, 987-1018.                        | 0.9 | 12        |
| 143 | Logarithmic Expansions and the Stability of Periodic Patterns of Localized Spots for Reaction-Diffusion Systems in $\mathbb{R}^2$ . Journal of Nonlinear Science, 2014, 24, 857-912. | 1.0 | 12        |
| 144 | End-to-end construction for the Allen-Cahn equation in the plane. Calculus of Variations and Partial Differential Equations, 2015, 52, 281-302.                                      | 0.9 | 12        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | A bifurcation diagram of solutions to an elliptic equation with exponential nonlinearity in higher dimensions. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2018, 148, 101-122. | 0.8 | 12        |
| 146 | Existence of positive weak solutions for fractional Lane-Emden equations with prescribed singular sets. <i>Calculus of Variations and Partial Differential Equations</i> , 2018, 57, 1.                          | 0.9 | 12        |
| 147 | A gluing approach for the fractional Yamabe problem with isolated singularities. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2020, 2020, 25-78.   | 0.4 | 12        |
| 148 | Singular Limits of a Two-Dimensional Boundary Value Problem Arising in Corrosion Modelling. <i>Archive for Rational Mechanics and Analysis</i> , 2006, 182, 181-221.   | 1.1 | 11        |
| 149 | Stability of spikes in the shadow Gierer-Meinhardt system with Robin boundary conditions. <i>Chaos</i> , 2007, 17, 037106.   | 1.0 | 11        |
| 150 | Solutions with multiple catenoidal ends to the Allen-Cahn equation in $\mathbb{R}^3$ . <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2015, 103, 142-218.  | 0.8 | 11        |
| 151 | Nonhexagonal Lattices From a Two Species Interacting System. <i>SIAM Journal on Mathematical Analysis</i> , 2020, 52, 1903-1942.   | 0.9 | 11        |
| 152 | On nonlinear Schrödinger equations with totally degenerate potentials. <i>Comptes Rendus Mathematique</i> , 1998, 326, 691-696.  | 0.5 | 10        |
| 153 | On a two-dimensional reaction-diffusion system with hypercyclical structure. <i>Nonlinearity</i> , 2000, 13, 2005-2032.  | 0.6 | 10        |
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