Junping Shi

List of Publications by Year
in descending order

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160	6,115	66343	79698
papers	citations	42 h-index	73 g-index

167	167	167	1576
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bifurcation and spatiotemporal patterns in a homogeneous diffusive predatorâ€“prey system. Journal of Differential Equations, 2009, 246, 1944-1977.	2.2	419
2	Existence of a positive solution to Kirchhoff type problems without compactness conditions. Journal of Differential Equations, 2012, 253, 2285-2294.	2.2	288
3	On global bifurcation for quasilinear elliptic systems on bounded domains. Journal of Differential Equations, 2009, 246, 2788-2812.	2.2	246
4	Predatorâ€“prey system with strong Allee effect in prey. Journal of Mathematical Biology, 2011, 62, 291-331.	1.9	241
5	Dynamics and pattern formation in a diffusive predatorâ€“prey system with strong Allee effect in prey. Journal of Differential Equations, 2011, 251, 1276-1304.	2.2	191
6	Global existence of solutions and uniform persistence of a diffusive predatorâ€“prey model with prey-taxis. Journal of Differential Equations, 2016, 260, 5847-5874.	2.2	162
7	Hopf bifurcations in a reactionâ€“diffusion population model with delay effect. Journal of Differential Equations, 2009, 247, 1156-1184.	2.2	152
8	On a singular nonlinear semilinear elliptic problem. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1998, 128, 1389-1401.	1.2	141
9	Exact multiplicity of positive solutions for a class of semilinear problem, II. Journal of Differential Equations, 1999, 158, 94-151.	2.2	138
10	Stability and Hopf bifurcation in a diffusive logistic population model with nonlocal delay effect. Journal of Differential Equations, 2012, 253, 3440-3470.	2.2	134
11	Persistence and Bifurcation of Degenerate Solutions. Journal of Functional Analysis, 1999, 169, 494-531.	1.4	131
12	Diffusion-driven instability and bifurcation in the Lengyelâ€“Epstein system. Nonlinear Analysis: Real World Applications, 2008, 9, 1038-1051.	1.7	129
13	Persistence in reaction diffusion models with weak allee effect. Journal of Mathematical Biology, 2006, 52, 807-829.	1.9	121
14	A diffusive predatorâ€“prey model with a protection zone. Journal of Differential Equations, 2006, 229, 63-91.	2.2	115
15	On stationary patterns of a reactionâ€“diffusion model with autocatalysis and saturation law. Nonlinearity, 2008, 21, 1471-1488.	1.4	102
16	Allee effect and bistability in a spatially heterogeneous predator-prey model. Transactions of the American Mathematical Society, 2007, 359, 4557-4594.	0.9	100
17	Diffusive logistic equation with constant yield harvesting, I: Steady States. Transactions of the American Mathematical Society, 2002, 354, 3601-3619.	0.9	94
18	Exact Multiplicity of Positive Solutions for a Class of Semilinear Problems. Journal of Differential Equations, 1998, 146, 121-156.	2.2	90

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19	Pattern formation of the attraction-repulsion Keller-Segel system. Discrete and Continuous Dynamical Systems - Series B, 2013, 18, 2597-2625.	0.9	90
20	Positive solutions to Kirchhoff type equations with nonlinearity having prescribed asymptotic behavior. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2014, 31, 155-167.	1.4	90
21	Non-existence of non-constant positive steady states of two Holling type-II predatorâ€“prey systems: Strong interaction case. Journal of Differential Equations, 2009, 247, 866-886.	2.2	84
22	Global bifurcation analysis and pattern formation in homogeneous diffusive predatorâ€“prey systems. Journal of Differential Equations, 2016, 260, 3495-3523.	2.2	83
23	Dynamics and pattern formation of a diffusive predatorâ€“prey model with predator-taxis. Mathematical Models and Methods in Applied Sciences, 2018, 28, 2275-2312.	3.3	82
24	Stationary Pattern of a Ratio-Dependent Food Chain Model with Diffusion. SIAM Journal on Applied Mathematics, 2007, 67, 1479-1503.	1.8	75
25	Global stability of multigroup epidemic model with group mixing and nonlinear incidence rates. Applied Mathematics and Computation, 2011, 218, 280-286.	2.2	68
26	Stability of impulsive stochastic differential delay systems and its application to impulsive stochastic neural networks. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 3099-3111.	1.1	67
27	Time Delay-Induced Instabilities and Hopf Bifurcations in General Reactionâ€“Diffusion Systems. Journal of Nonlinear Science, 2013, 23, 1-38.	2.1	61
28	GLOBAL STABILITY AND HOPF BIFURCATION IN A DELAYED DIFFUSIVE LESLIEâ€“GOWER PREDATORâ€“PREY SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250061.	1.7	60
29	Strong Allee effect in a diffusive predatorâ€“prey system with a protection zone. Journal of Differential Equations, 2014, 256, 108-129.	2.2	60
30	Global stability in a diffusive Hollingâ€“Tanner predatorâ€“prey model. Applied Mathematics Letters, 2012, 25, 614-618.	2.7	59
31	Existence and instability of spike layer solutions to singular perturbation problems. Journal of Functional Analysis, 2002, 196, 211-264.	1.4	58
32	Bifurcation analysis of reactionâ€“diffusion Schnakenberg model. Journal of Mathematical Chemistry, 2013, 51, 2001-2019.	1.5	57
33	Imperfect transcritical and pitchfork bifurcations. Journal of Functional Analysis, 2007, 251, 573-600.	1.4	56
34	Hopf Bifurcation in a Diffusive Logistic Equation with Mixed Delayed and Instantaneous Density Dependence. Journal of Dynamics and Differential Equations, 2012, 24, 897-925.	1.9	54
35	Existence of positive solutions to SchrÃ¶dingerâ€“Poisson type systems with critical exponent. Communications in Contemporary Mathematics, 2014, 16, 1450036.	1.2	51
36	Formulation of the normal form of Turing-Hopf bifurcation in partial functional differential equations. Journal of Differential Equations, 2020, 268, 6067-6102.	2.2	50

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37	Semilinear Neumann boundary value problems on a rectangle. Transactions of the American Mathematical Society, 2002, 354, 3117-3154.	0.9	49
38	Global asymptotical behavior of the Lengyelâ€“Epstein reactionâ€“diffusion system. Applied Mathematics Letters, 2009, 22, 52-55.	2.7	49
39	Diffusive Spatial Movement with Memory. Journal of Dynamics and Differential Equations, 2020, 32, 979-1002.	1.9	49
40	Diffusive spatial movement with memory and maturation delays. Nonlinearity, 2019, 32, 3188-3208.	1.4	46
41	Bifurcation analysis in a delayed diffusive Nicholsonâ€™s blowflies equation. Nonlinear Analysis: Real World Applications, 2010, 11, 1692-1703.	1.7	45
42	Bifurcations of patterned solutions in the diffusive Lengyel-Epstein system of Cima chemical reactions. Rocky Mountain Journal of Mathematics, 2013, 43, .	0.4	44
43	Persistence and extinction of population in reactionâ€“diffusionâ€“advection model with strong Allee effect growth. Journal of Mathematical Biology, 2019, 78, 2093-2140.	1.9	43
44	Complete controllability of impulsive stochastic integro-differential systems. Automatica, 2010, 46, 1068-1073.	5.0	42
45	Existence of positive solutions to Kirchhoff type problems with zero mass. Journal of Mathematical Analysis and Applications, 2014, 410, 361-374.	1.0	39
46	Global stability and pattern formation in a nonlocal diffusive Lotkaâ€“Volterra competition model. Journal of Differential Equations, 2018, 264, 6891-6932.	2.2	39
47	Bistability in a differential equation model of oyster reef height and sediment accumulation. Journal of Theoretical Biology, 2011, 289, 1-11.	1.7	37
48	Standing waves for a coupled nonlinear Hartree equations with nonlocal interaction. Calculus of Variations and Partial Differential Equations, 2017, 56, 1.	1.7	34
49	Spatial movement with distributed memory. Journal of Mathematical Biology, 2021, 82, 33.	1.9	34
50	Ground state solutions of Nehari-Pohozaev type for the planar SchrÃ¶dinger-Poisson system with general nonlinearity. Discrete and Continuous Dynamical Systems, 2019, 39, 5867-5889.	0.9	34
51	Hopf bifurcation in a reactionâ€“diffusion equation with distributed delay and Dirichlet boundary condition. Journal of Differential Equations, 2017, 263, 6537-6575.	2.2	33
52	Dynamics of a host-pathogen system on a bounded spatial domain. Communications on Pure and Applied Analysis, 2015, 14, 2535-2560.	0.8	33
53	Relaxation oscillation profile of limit cycle in predator-prey system. Discrete and Continuous Dynamical Systems - Series B, 2009, 11, 893-911.	0.9	33
54	The effect of delay on a diffusive predator-prey system with Holling Type-II predator functional response. Communications on Pure and Applied Analysis, 2012, 12, 481-501.	0.8	32

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55	The existence, bifurcation and stability of positive stationary solutions of a diffusive Leslieâ€“Gower predatorâ€“prey model with Holling-type II functional responses. Journal of Mathematical Analysis and Applications, 2013, 405, 618-630.	1.0	31
56	Spatiotemporal dynamics of a diffusive consumerâ€resource model with explicit spatial memory. Studies in Applied Mathematics, 2022, 148, 373-395.	2.4	31
57	Higher dimensional solitary waves generated by second-harmonic generation in quadratic media. Calculus of Variations and Partial Differential Equations, 2015, 54, 2657-2691.	1.7	30
58	Pattern formation in a general glycolysis reaction-diffusion system. IMA Journal of Applied Mathematics, 2015, 80, 1703-1738.	1.6	30
59	Logistic equation with thep-Laplacian and constant yield harvesting. Abstract and Applied Analysis, 2004, 2004, 723-727.	0.7	29
60	UNIQUENESS AND NONEXISTENCE OF POSITIVE SOLUTIONS TO SEMIPOSITONE PROBLEMS. Bulletin of the London Mathematical Society, 2006, 38, 1033-1044.	0.8	29
61	Population Dynamics in River Networks. Journal of Nonlinear Science, 2019, 29, 2501-2545.	2.1	28
62	Spatial movement with diffusion and memory-based self-diffusion and cross-diffusion. Journal of Differential Equations, 2021, 305, 242-269.	2.2	27
63	Bifurcation analysis of the Giererâ€“Meinhardt system with a saturation in the activator production. Applicable Analysis, 2014, 93, 1115-1134.	1.3	25
64	Existence and multiplicity of positive solutions to SchrÃ¶dingerâ€“Poisson type systems with critical nonlocal term. Calculus of Variations and Partial Differential Equations, 2017, 56, 1.	1.7	25
65	Persistence and Extinction of Population in Reaction-Diffusion-Advection Model with Weak Allee Effect Growth. SIAM Journal on Applied Mathematics, 2019, 79, 1293-1313.	1.8	25
66	Asymptotic profiles of the steady states for an SIS epidemic patch model with asymmetric connectivity matrix. Journal of Mathematical Biology, 2020, 80, 2327-2361.	1.9	25
67	Classification of four-body central configurations with three equal masses. Journal of Mathematical Analysis and Applications, 2010, 363, 512-524.	1.0	23
68	A note on Hopf bifurcations in a delayed diffusive Lotkaâ€“Volterra predatorâ€“prey system. Computers and Mathematics With Applications, 2011, 62, 2240-2245.	2.7	23
69	Existence and uniqueness of steady state solutions of a nonlocal diffusive logistic equation. Zeitschrift Fur Angewandte Mathematik Und Physik, 2013, 64, 1267-1278.	1.4	23
70	Hair-triggered instability of radial steady states, spread and extinction in semilinear heat equations. Journal of Differential Equations, 2006, 231, 235-251.	2.2	22
71	Asymptotic Profiles of Basic Reproduction Number for Epidemic Spreading in Heterogeneous Environment. SIAM Journal on Applied Mathematics, 2020, 80, 1247-1271.	1.8	20
72	Global attractivity of equilibrium in Giererâ€“Meinhardt system with activator production saturation and gene expression time delays. Nonlinear Analysis: Real World Applications, 2013, 14, 1871-1886.	1.7	19

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73	Positive solutions of Kirchhoff-type non-local elliptic equation: a bifurcation approach. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2017, 147, 875-894.	1.2	19
74	Bifurcation in infinite dimensional spaces and applications in spatiotemporal biological and chemical models. Frontiers of Mathematics in China, 2009, 4, 407-424.	0.7	18
75	Steady states and dynamics of an autocatalytic chemical reaction model with decay. Journal of Differential Equations, 2012, 253, 533-552.	2.2	18
76	Optimal Spatial Harvesting Strategy and Symmetry-Breaking. Applied Mathematics and Optimization, 2008, 58, 89-110.	1.6	17
77	Global dynamics of a Lotkaâ€“Volterra competition patch model*. Nonlinearity, 2022, 35, 817-842.	1.4	17
78	Bifurcation from a degenerate simple eigenvalue. Journal of Functional Analysis, 2013, 264, 2269-2299.	1.4	16
79	Dynamics of a reaction-diffusion system of autocatalytic chemical reaction. Discrete and Continuous Dynamical Systems, 2008, 21, 245-258.	0.9	16
80	Standing waves of a weakly coupled SchrÃ¶dinger system with distinct potential functions. Journal of Differential Equations, 2016, 260, 1830-1864.	2.2	15
81	Global dynamics of the diffusive Lotkaâ€“Volterra competition model with stage structure. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	1.7	15
82	A double saddle-node bifurcation theorem. Communications on Pure and Applied Analysis, 2013, 12, 2923-2933.	0.8	15
83	Positive steady state solutions of a diffusive Leslie-Gower predator-prey model with Holling type II functional response and cross-diffusion. Discrete and Continuous Dynamical Systems, 2014, 34, 3875-3899.	0.9	15
84	Analysis of a reaction-diffusion benthic-drift model with strong Allee effect growth. Journal of Differential Equations, 2020, 269, 7605-7642.	2.2	14
85	Spatiotemporal dynamics of a reaction-diffusion model of pollen tube tip growth. Journal of Mathematical Biology, 2019, 79, 1319-1355.	1.9	13
86	Global stability of nonhomogeneous equilibrium solution for the diffusive Lotkaâ€“Volterra competition model. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	1.7	13
87	Existence and stability of steady-state solutions of reactionâ€“diffusion equations with nonlocal delay effect. Zeitschrift Fur Angewandte Mathematik Und Physik, 2021, 72, 1.	1.4	13
88	Effect of Spatial Average on the Spatiotemporal Pattern Formation of Reaction-Diffusion Systems. Journal of Dynamics and Differential Equations, 2022, 34, 2123-2156.	1.9	13
89	Two Novel proofs of Spectral Monotonicity of Perturbed Essentially Nonnegative Matrices with Applications in Population Dynamics. SIAM Journal on Applied Mathematics, 2022, 82, 654-676.	1.8	13
90	Exact multiplicity of solutions to superlinear and sublinear problems. Nonlinear Analysis: Theory, Methods & Applications, 2002, 50, 665-687.	1.1	12

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91	Spatiotemporal mutualistic model of mistletoes and birds. Journal of Mathematical Biology, 2014, 68, 1479-1520.	1.9	12
92	Stability Switches in a Logistic Population Model with Mixed Instantaneous and Delayed Density Dependence. Journal of Dynamics and Differential Equations, 2017, 29, 113-130.	1.9	12
93	A mathematical model of algae growth in a pelagicâ€“benthic coupled shallow aquatic ecosystem. Journal of Mathematical Biology, 2018, 76, 1159-1193.	1.9	12
94	The existence of constrained minimizers for a class of nonlinear Kirchhoffâ€“SchrÃ¶dinger equations with doubly critical exponents in dimension four. Nonlinear Analysis: Theory, Methods & Applications, 2019, 186, 99-112.	1.1	12
95	Ground states of nonlinear SchrÃ¶dinger equation on star metric graphs. Journal of Mathematical Analysis and Applications, 2018, 459, 661-685.	1.0	12
96	Morse indices and exact multiplicity of solutions to semilinear elliptic problems. Proceedings of the American Mathematical Society, 1999, 127, 3685-3695.	0.8	12
97	Bifurcation diagrams of population models with nonlinear, diffusion. Journal of Computational and Applied Mathematics, 2006, 194, 357-367.	2.0	11
98	On the uniqueness and structure of solutions to a coupled elliptic system. Journal of Differential Equations, 2010, 249, 3419-3442.	2.2	11
99	Bifurcation of positive solutions to scalar reactionâ€“diffusion equations with nonlinear boundary condition. Journal of Differential Equations, 2018, 264, 425-454.	2.2	11
100	Coexistence of Competing Species for Intermediate Dispersal Rates in a Reactionâ€“Diffusion Chemostat Model. Journal of Dynamics and Differential Equations, 2020, 32, 1085-1112.	1.9	11
101	CROSS-DIFFUSION INDUCED INSTABILITY AND STABILITY IN REACTION-DIFFUSION SYSTEMS. Journal of Applied Analysis and Computation, 2011, 1, 95-119.	0.5	11
102	Exact multiplicity of solutions for classes of semipositone problems with concave-convex nonlinearity. Discrete and Continuous Dynamical Systems, 2001, 7, 559-571.	0.9	11
103	New exact multiplicity results with an application to a population model. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2001, 131, 1167-1182.	1.2	10
104	Periodic solutions of a logistic type population model with harvesting. Journal of Mathematical Analysis and Applications, 2010, 369, 730-735.	1.0	10
105	Phytoplankton Competition for Nutrients and Light in a Stratified Lake: A Mathematical Model Connecting Epilimnion and Hypolimnion. Journal of Nonlinear Science, 2021, 31, 1.	2.1	10
106	Global existence of solutions to an attraction-repulsion chemotaxis model with growth. Communications on Pure and Applied Analysis, 2017, 16, 1037-1058.	0.8	10
107	Traveling waves of a mutualistic model of mistletoes and birds. Discrete and Continuous Dynamical Systems, 2015, 35, 1743-1765.	0.9	10
108	Uniqueness of the positive solution for a class of semilinear elliptic systems. Nonlinear Analysis: Theory, Methods & Applications, 2007, 67, 1710-1714.	1.1	9

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109	Exact multiplicity of solutions and S-shaped bifurcation curve for a class of semilinear elliptic equations. Journal of Mathematical Analysis and Applications, 2007, 331, 263-278.	1.0	9
110	Exact multiplicity of positive solutions for a p-Laplacian equation with positive convex nonlinearity. Journal of Differential Equations, 2016, 260, 2091-2118.	2.2	9
111	Model of pattern formation in marsh ecosystems with nonlocal interactions. Journal of Mathematical Biology, 2020, 80, 655-686.	1.9	9
112	Pattern formation in diffusive predator-prey systems with predator-taxis and prey-taxis. Discrete and Continuous Dynamical Systems - Series B, 2021, 26, 1273-1289.	0.9	9
113	Blow up points of solution curves for a semilinear problem. Topological Methods in Nonlinear Analysis, 2000, 15, 251.	0.2	9
114	Saddle solutions of the balanced bistable diffusion equation. Communications on Pure and Applied Mathematics, 2002, 55, 815-830.	3.1	8
115	Existence and nonexistence of positive solutions of semilinear elliptic equation with inhomogeneous strong Allee effect. Applied Mathematics and Mechanics (English Edition), 2009, 30, 1461-1468.	3.6	8
116	Existence of positive solutions to a Laplace equation with nonlinear boundary condition. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 3061-3083.	1.4	8
117	Multi-parameter bifurcation and applications. , 2003, , .		8
118	Bifurcation Analysis of a Generic Reactionâ€“Diffusion Turing Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450042.	1.7	7
119	Absolute Stability and Conditional Stability in General Delayed Differential Equations. , 2013, , 117-131.		7
120	Further studies of a reaction-diffusion system for an unstirred chemostat with internal storage. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 3169-3189.	0.9	7
121	Modeling Oyster Reef Restoration: Larval Supply and Reef Geometry Jointly Determine Population Resilience and Performance. Frontiers in Marine Science, 2021, 8, .	2.5	7
122	Existence and Multiplicity of Positive Solutions to a Quasilinear Elliptic Equation with Strong Allee Effect Growth Rate. Results in Mathematics, 2013, 64, 165-173.	0.8	6
123	Qualitative analysis of an autocatalytic chemical reaction model with decay. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2014, 144, 427-446.	1.2	6
124	Threshold dynamics of a diffusive nonlocal phytoplankton model with age structure. Nonlinear Analysis: Real World Applications, 2019, 50, 55-66.	1.7	6
125	Bifurcation and pattern formation in diffusive Klausmeier-Gray-Scott model of water-plant interaction. Journal of Mathematical Analysis and Applications, 2021, 497, 124860.	1.0	6
126	Spatial pattern formation in activator-inhibitor models with nonlocal dispersal. Discrete and Continuous Dynamical Systems - Series B, 2021, 26, 1843-1866.	0.9	6

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127	A model of algal growth depending on nutrients and inorganic carbon in a poorly mixed water column. Journal of Mathematical Biology, 2021, 83, 15.	1.9	6
128	On the existence and uniqueness of a limit cycle for a LiÃ©nard system with a discontinuity line. Communications on Pure and Applied Analysis, 2016, 15, 2509-2526.	0.8	6
129	Role of white-tailed deer in geographic spread of the black-legged tick <i>Ixodes scapularis</i> : Analysis of a spatially nonlocal model. Mathematical Biosciences and Engineering, 2018, 15, 1033-1054.	1.9	6
130	Exact multiplicity of solutions to a diffusive logistic equation with harvesting. Applied Mathematics and Computation, 2010, 216, 1531-1537.	2.2	5
131	Existence, uniqueness and stability of positive solutions to sublinear elliptic systems. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2011, 141, 45-64.	1.2	5
132	Bifurcation diagrams of coupled SchrÃ¶dinger equations. Applied Mathematics and Computation, 2012, 219, 3646-3654.	2.2	5
133	Dynamics of a Scalar Population Model with Delayed Allee Effect. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850153.	1.7	5
134	Stability of synchronized steady state solution of diffusive Lotkaâ€“Volterra predatorâ€“prey model. Applied Mathematics Letters, 2020, 105, 106331.	2.7	5
135	Global stability of spatially nonhomogeneous steady state solution in a diffusive Holling-Tanner predator-prey model. Proceedings of the American Mathematical Society, 2021, 149, 3781-3794.	0.8	5
136	Effect of harvesting quota and protection zone in a reaction-diffusion model arising from fishery management. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 791-807.	0.9	5
137	Effect of rotational grazing on plant and animal production. Mathematical Biosciences and Engineering, 2017, 15, 393-406.	1.9	5
138	A New Proof of Anti-Maximum Principle Via A Bifurcation Approach. Resultate Der Mathematik, 2005, 48, 162-167.	0.2	4
139	Profile of the unique limit cycle in a class of general predatorâ€“prey systems. Applied Mathematics and Computation, 2014, 242, 397-406.	2.2	4
140	Bistability Dynamics in Structured Ecological Models. Chapman & Hall/CRC Mathematical and Computational Biology Series, 2009, , 33-61.	0.1	4
141	Stability and asymptotic profile of steady state solutions to a reaction-diffusion pelagic-benthic algae growth model. Communications on Pure and Applied Analysis, 2019, 18, 2325-2347.	0.8	4
142	Exact multiplicity of boundary blow-up solutions for a bistable problem. Computers and Mathematics With Applications, 2007, 54, 1285-1292.	2.7	3
143	Structure of the solution set for a class of semilinear elliptic equations with asymptotic linear nonlinearity. Nonlinear Analysis: Theory, Methods & Applications, 2008, 69, 2369-2378.	1.1	3
144	Spatial modeling and dynamics of organic matter biodegradation in the absence or presence of bacterivorous grazing. Mathematical Biosciences, 2021, 331, 108501.	1.9	3

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145	Interaction between water and plants: Rich dynamics in a simple model. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 2971-3006.	0.9	3
146	Hopf bifurcation and pattern formation in a delayed diffusive logistic model with spatial heterogeneity. Discrete and Continuous Dynamical Systems - Series B, 2019, 24, 467-486.	0.9	3
147	Uniqueness of the positive solution for a non-cooperative model of nuclear reactors. Applied Mathematics Letters, 2013, 26, 1005-1007.	2.7	2
148	On the Number of Limit Cycles for Discontinuous Generalized LiÃ©nard Polynomial Differential Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550131.	1.7	2
149	Bistability in a model of grassland and forest transition. Journal of Mathematical Analysis and Applications, 2017, 451, 1165-1178.	1.0	2
150	Existence and concentration of nontrivial nonnegative ground state solutions to Kirchhoff-type system with Hartree-type nonlinearity. Zeitschrift Fur Angewandte Mathematik Und Physik, 2018, 69, 1.	1.4	2
151	Minimum number of non-zero-entries in a 7â€Ã—â€7 stable matrix. Linear Algebra and Its Applications, 2019, 572, 135-152.	0.9	2
152	Saddle solutions of the balanced bistable diffusion equation. Communications on Pure and Applied Mathematics, 2002, 55, 815-830.	3.1	2
153	The role of higher vorticity moments in a variational formulation of Barotropic flows on a rotating sphere. Discrete and Continuous Dynamical Systems - Series B, 2009, 11, 717-740.	0.9	2
154	Bistable and oscillatory dynamics of Nicholson's blowflies equation with Allee effect. Discrete and Continuous Dynamical Systems - Series B, 2021, .	0.9	2
155	Exact multiplicity of solutions to perturbed logistic type equations on a symmetric domain. Science in China Series A: Mathematics, 2008, 51, 1753-1762.	0.5	1
156	Existence and uniqueness of positive solutions for a class of semilinear elliptic systems. Acta Mathematica Sinica, English Series, 2011, 27, 1079-1090.	0.6	1
157	Uniqueness of positive solutions to some coupled cooperative variational elliptic systems. Transactions of the American Mathematical Society, 2018, 370, 5209-5243.	0.9	1
158	Minimum number of non-zero-entries in a stable matrix exhibiting Turing instability. Discrete and Continuous Dynamical Systems - Series S, 2021, .	1.1	1
159	Pattern formation in marsh ecosystems modeled through the interaction of marsh vegetation, mussels and sediment. Journal of Theoretical Biology, 2022, 543, 111102.	1.7	1
160	A degenerate bifurcation from simple eigenvalue theorem. Electronic Research Archive, 2022, 30, 116-125.	0.9	0