



Author Citations for Junping Shi

Junping Shi is cited 788 times by 434 authors
 in the MR Citation Database

Most Cited Publications

Citations	Publication
90	MR1721723 (2001b:35117) Ouyang, Tiancheng ; Shi, Junping Exact multiplicity of positive solutions for a class of semilinear problem. II. <i>J. Differential Equations</i> 158 (1999), no. 1, 94–151. (Reviewer: Philip Korman) 35J65 (34B18 35P30 47J15 58E05)
77	MR1667283 (99k:35097) Bates, Peter W. ; Dancer, E. Norman ; Shi, Junping Multi-spike stationary solutions of the Cahn-Hilliard equation in higher-dimension and instability. <i>Adv. Differential Equations</i> 4 (1999), no. 1, 1–69. (Reviewer: Siegfried Carl) 35K60 (35B25 35B40 58E50)
76	MR1663988 (99j:35070) Shi, Junping ; Yao, Miaoxin On a singular nonlinear semilinear elliptic problem. <i>Proc. Roy. Soc. Edinburgh Sect. A</i> 128 (1998), no. 6, 1389–1401. 35J65 (35B05 35B30 35B65)
62	MR1625731 (99f:35061) Ouyang, Tiancheng ; Shi, Junping Exact multiplicity of positive solutions for a class of semilinear problems. <i>J. Differential Equations</i> 146 (1998), no. 1, 121–156. (Reviewer: Yi Hong Du) 35J65 (34B15 35B05 35P30 58E05)
37	MR1911513 (2003g:35080) Oruganti, Shobha ; Shi, Junping ; Shivaji, Ratnasingham Diffusive logistic equation with constant yield harvesting. I. Steady states. <i>Trans. Amer. Math. Soc.</i> 354 (2002), no. 9, 3601–3619 (electronic). (Reviewer: H. J. Kuiper) 35J60 (32J25 35B32 92D25)
30	MR1943093 (2003k:35045) Bates, Peter W. ; Shi, Junping Existence and instability of spike layer solutions to singular perturbation problems. <i>J. Funct. Anal.</i> 196 (2002), no. 2, 211–264. (Reviewer: Juncheng Wei) 35J25 (35B25 35P15 47H14 47J30 58E05)
28	MR1730558 (2001h:47115) Shi, Junping Persistence and bifurcation of degenerate solutions. <i>J. Funct. Anal.</i> 169 (1999), no. 2, 494–531. (Reviewer: Jesús Hernández) 47J30 (34B15 58E07)
22	MR1897394 (2003b:35083) Shi, Junping Semilinear Neumann boundary value problems on a rectangle. <i>Trans. Amer. Math. Soc.</i> 354 (2002), no. 8, 3117–3154 (electronic). (Reviewer: Gabriella Tarantello) 35J65 (34B15 35B32 35J60 47J15)

19	MR2235529 (2007g:92070) Shi, Junping; Shivaji, Ratnasingham Persistence in reaction diffusion models with weak Allee effect. <i>J. Math. Biol.</i> 52 (2006), no. 6, 807–829. (Reviewer: Antonio Suárez Fernández) 92D25 (35J65 35K57 35P30 35Q80 47J15 92D40)
19	MR2223350 (2007b:35098) Du, Yihong; Shi, Junping Some recent results on diffusive predator-prey models in spatially heterogeneous environment. <i>Nonlinear dynamics and evolution equations</i> , 95–135, <i>Fields Inst. Commun.</i> , 48 , Amer. Math. Soc., Providence, RI, 2006. (Reviewer: Narcisa C. Apreutesei) 35J55 (35J60 35K50 35K57 92D25 92D40)
17	MR2119054 (2006g:35076) Shi, Junping; Yao, Miaoxin Positive solutions for elliptic equations with singular nonlinearity. <i>Electron. J. Differential Equations</i> 2005 , no. 04, 11 pp. (electronic). 35J60 (35J25)
17	MR2265618 (2007h:35063) Du, Yihong; Shi, Junping A diffusive predator-prey model with a protection zone. <i>J. Differential Equations</i> 229 (2006), no. 1, 63–91. (Reviewer: Rui Peng) 35J55 (35J60 35K57 92D25 92D40)
17	MR2494694 (2010f:35199) Yi, Fengqi; Wei, Junjie; Shi, Junping Bifurcation and spatiotemporal patterns in a homogeneous diffusive predator-prey system. <i>J. Differential Equations</i> 246 (2009), no. 5, 1944–1977. (Reviewer: Brian D. Sleeman) 35K57 (35B32 35K51 37N25 92D25)
16	MR1799061 (2002b:34034) Korman, Philip; Shi, Junping Instability and exact multiplicity of solutions of semilinear equations. <i>Proceedings of the Conference on Nonlinear Differential Equations (Coral Gables, FL, 1999)</i> , 311–322 (electronic), <i>Electron. J. Differ. Equ. Conf.</i> , 5 , Southwest Texas State Univ., San Marcos, TX, 2000. (Reviewer: Zephyrinus C. Okonkwo) 34B15 (34C23)
15	MR2341760 (2008f:92007) Peng, Rui; Shi, Junping; Wang, Mingxin Stationary pattern of a ratio-dependent food chain model with diffusion. <i>SIAM J. Appl. Math.</i> 67 (2007), no. 5, 1479–1503 (electronic). 92C15 (35K45 92D40)
14	MR2309198 (2008h:35138) Du, Yihong; Shi, Junping Allee effect and bistability in a spatially heterogeneous predator-prey model. <i>Trans. Amer. Math. Soc.</i> 359 (2007), no. 9, 4557–4593. (Reviewer: Si Ning Zheng) 35K50 (35B32 35Q80 92D25 92D40)
13	MR2503022 (2011c:35153) Shi, Junping; Wang, Xuefeng On global bifurcation for quasilinear elliptic systems on bounded domains. <i>J. Differential Equations</i> 246 (2009), no. 7, 2788–2812. (Reviewer: Jesús Hernández) 35J60 (35B32 47H11 47J15 47N20 58E07)
13	MR2425330 (2010d:35077) Peng, Rui; Shi, Junping; Wang, Mingxin On stationary patterns of a reaction-diffusion model with autocatalysis and saturation law. <i>Nonlinearity</i> 21 (2008), no. 7, 1471–1488. 35J57 (35K57 92C15 92C40)

12	MR2073759 (2005g:35113) Shi, Junping; Shivaji, Ratnasingham Global bifurcations of concave semipositone problems. <i>Evolution equations</i> , 385–398, Lecture Notes in Pure and Appl. Math. , 234, Dekker, New York, 2003. (Reviewer: Jesús Hernández) 35J60 (35B32 35P30 47J15)
11	MR2531175 (2010f:35192) Su, Ying; Wei, Junjie; Shi, Junping Hopf bifurcations in a reaction-diffusion population model with delay effect. <i>J. Differential Equations</i> 247 (2009), no. 4, 1156–1184. (Reviewer: N. F. Britton) 35K57 (35B32 35B41 35K20 35R10 37L10 37N25 92D25 92D40)
11	MR1694880 (2000d:35082) Shi, Junping; Wang, Junping Morse indices and exact multiplicity of solutions to semilinear elliptic problems. <i>Proc. Amer. Math. Soc.</i> 127 (1999), no. 12, 3685–3695. (Reviewer: Gianni Arioli) 35J65 (35B32 58E07)
10	MR2392395 (2009b:35235) Yi, Fengqi; Wei, Junjie; Shi, Junping Diffusion-driven instability and bifurcation in the Lengyel-Epstein system. <i>Nonlinear Anal. Real World Appl.</i> 9 (2008), no. 3, 1038–1051. 35K57 (35B10 35B35 35K50 37L10 92B05)
10	MR2287886 (2008c:35133) Shi, Junping; Wang, Xuefeng Hair-triggered instability of radial steady states, spread and extinction in semilinear heat equations. <i>J. Differential Equations</i> 231 (2006), no. 1, 235–251. (Reviewer: Peter L. Simon) 35K55 (35B35 35K10 92E20)
9	MR2528495 (2010g:92078) Peng, Rui; Shi, Junping Non-existence of non-constant positive steady states of two Holling type-II predator-prey systems: strong interaction case. <i>J. Differential Equations</i> 247 (2009), no. 3, 866–886. (Reviewer: Matthias Wilhelm Winter) 92D25 (35A01 35K51 35K57 92C15)
8	MR1910910 (2003f:35229) Shi, Junping Exact multiplicity of solutions to superlinear and sublinear problems. <i>Nonlinear Anal.</i> 50 (2002), no. 5, Ser. A: Theory Methods, 665–687. (Reviewer: Yi Hong Du) 35P30 (35J20 35J25 35J60 47J30 58E05)
8	MR2771175 (2011j:34132) Wang, Jinfeng; Shi, Junping; Wei, Junjie Predator-prey system with strong Allee effect in prey. <i>J. Math. Biol.</i> 62 (2011), no. 3, 291–331. 34C23 (34C25 34C37 92D25)
7	MR2426125 (2009i:35179) Kurata, Kazuhiro; Shi, Junping Optimal spatial harvesting strategy and symmetry-breaking. <i>Appl. Math. Optim.</i> 58 (2008), no. 1, 89–110. (Reviewer: N. F. Britton) 35K57 (35B25 49J20 92D40)
7	MR2356424 (2008g:47134) Liu, Ping; Shi, Junping; Wang, Yuwen Imperfect transcritical and pitchfork bifurcations. <i>J. Funct. Anal.</i> 251 (2007), no. 2, 573–600. (Reviewer: P. P. Zabrejko) 47J15 (58E07 74G60)
7	MR1894156 (2003b:35068) Shi, Junping Saddle solutions of the balanced bistable diffusion equation. <i>Comm. Pure Appl. Math.</i> 55 (2002), no. 7, 815–830. (Reviewer: David L. Finn) 35J60 (35B99 47J30)
6	MR1784141 (2002b:35060) Shi, Junping Blow up points of solution curves for a semilinear problem. <i>Topol. Methods Nonlinear Anal.</i> 15 (2000),

	no. 2 , 251–266. (Reviewer: Vicențiu Rădulescu) 35J60 (34B15 34C23 58E07)
6	MR2306004 (2008e:35081) Zhao, Yuhua ; Wang, Yuwen ; Shi, Junping Exact multiplicity of solutions and S-shaped bifurcation curve for a class of semilinear elliptic equations. <i>J. Math. Anal. Appl.</i> 331 (2007), no. 1, 263–278. (Reviewer: Alexander Quaas) 35J60 (34B18 35B32 47J15)
6	MR2192709 (2006h:35061) Korman, Philip ; Shi, Junping On Lane-Emden type systems. <i>Discrete Contin. Dyn. Syst.</i> 2005 , suppl., 510–517. 35J55 (35B05 35J60)
6	MR1862448 (2002h:35092) Korman, Philip ; Shi, Junping New exact multiplicity results with an application to a population model. <i>Proc. Roy. Soc. Edinburgh Sect. A</i> 131 (2001), no. 5, 1167–1182. (Reviewer: Mo Xun Tang) 35J65 (35J60 35Q80 92D25)
6	MR2379464 (2009f:35177) Jiang, Jifa ; Shi, Junping Dynamics of a reaction-diffusion system of autocatalytic chemical reaction. <i>Discrete Contin. Dyn. Syst.</i> 21 (2008), no. 1, 245–258. (Reviewer: Peter L. Simon) 35K57 (35K50 37L15 37N20)
6	MR1815768 (2001m:34047) Shi, Junping ; Shivaji, Ratnasingham Exact multiplicity of solutions for classes of semipositone problems with concave-convex nonlinearity. <i>Discrete Contin. Dynam. Systems</i> 7 (2001), no. 3, 559–571. (Reviewer: Philip Korman) 34B15
6	MR2239398 (2007a:34066) Lee, Young He ; Sherbakov, Lena ; Taber, Jackie ; Shi, Junping Bifurcation diagrams of population models with nonlinear, diffusion. <i>J. Comput. Appl. Math.</i> 194 (2006), no. 2, 357–367. 34C23 (35B32 35K57 35Q80 92D25)
5	MR2505652 (2010e:92117) Hsu, Sze-Bi ; Shi, Junping Relaxation oscillation profile of limit cycle in predator-prey system. <i>Discrete Contin. Dyn. Syst. Ser. B</i> 11 (2009), no. 4, 893–911. (Reviewer: Brian D. Sleeman) 92D25 (34C07 34C26)
5	MR2285257 (2007i:35069) Dancer, E. Norman ; Shi, Junping Uniqueness and nonexistence of positive solutions to semipositone problems. <i>Bull. London Math. Soc.</i> 38 (2006), no. 6, 1033–1044. (Reviewer: Florin Catrina) 35J60 (35J25)
4	MR2011699 (2004j:35026) Shi, Junping Multi-parameter bifurcation and applications. <i>Topological methods, variational methods and their applications (Taiyuan, 2002)</i> , 211–221, <i>World Sci. Publ., River Edge, NJ</i> , 2003. 35B32 (35J25 35K55 47J15 58E07)
4	MR2483160 (2010a:35133) Yi, Fengqi ; Wei, Junjie ; Shi, Junping Global asymptotical behavior of the Lengyel-Epstein reaction-diffusion system. <i>Appl. Math. Lett.</i> 22 (2009), no. 1, 52–55. 35K57 (35B40 35K51 92E10)
4	MR2102598 (2005g:35106) Oruganti, Shobha ; Shi, Junping ; Shivaji, Ratnasingham Logistic equation with the p -Laplacian and constant yield harvesting. <i>Abstr. Appl. Anal.</i> 2004 , no. 9, 723–727. (Reviewer: Antonio Suárez Fernández) 35J60 (35J25 92D25)

4	MR2525747 (2010i:35027) Shi, Junping Bifurcation in infinite dimensional spaces and applications in spatiotemporal biological and chemical models. <i>Front. Math. China</i> 4 (2009), no. 3, 407–424. (Reviewer: Stanisław Sędziwy) 35B32 (34K18 37L10 37N25 47J15 92D40 92E20)
4	MR2877189 Shen, Lijuan; Shi, Junping; Sun, Jitao Complete controllability of impulsive stochastic integro-differential systems. <i>Automatica J. IFAC</i> 46 (2010), no. 6, 1068–1073. 93B05 (34K35 34K45 60H10 93E03)
3	MR2646582 Su, Ying; Wei, Junjie; Shi, Junping Bifurcation analysis in a delayed diffusive Nicholson's blowflies equation. <i>Nonlinear Anal. Real World Appl.</i> 11 (2010), no. 3, 1692–1703. 35Q92 (92D25)
3	MR2564872 (2010j:70020) Shi, Junping; Xie, Zhifu Classification of four-body central configurations with three equal masses. <i>J. Math. Anal. Appl.</i> 363 (2010), no. 2, 512–524. (Reviewer: A. Sumbatov) 70F10 (70F15)
3	MR1976648 (2004d:35079) Shi, Junping Exact multiplicity of positive solutions to a superlinear problem. <i>Proceedings of the Fifth Mississippi State Conference on Differential Equations and Computational Simulations (Mississippi State, MS, 2001)</i> , 257–265 (electronic), Electron. J. Differ. Equ. Conf. , 10, Southwest Texas State Univ., San Marcos, TX, 2003. 35J60 (34B15 35B32 35J25)
3	MR2036211 (2004k:34031) Shi, Junping A radially symmetric anti-maximum principle and applications to fishery management models. <i>Electron. J. Differential Equations</i> 2004, No. 27, 13 pp. (electronic). (Reviewer: Toka Diagana) 34B05 (34B24 35A30 35B05 35J25 92D25)
3	MR2192741 (2006g:35089) Shi, Junping; Shivaji, Ratnasingham Semilinear elliptic equations with generalized cubic nonlinearities. <i>Discrete Contin. Dyn. Syst.</i> 2005, suppl., 798–805. 35J65 (34B15 35B32 35J25 35K57 47J15 92D25 92D40)
3	MR2737436 (2011m:35082) Chen, Zhi-You; Chern, Jann-Long; Shi, Junping; Tang, Yong-Li On the uniqueness and structure of solutions to a coupled elliptic system. <i>J. Differential Equations</i> 249 (2010), no. 12, 3419–3442. (Reviewer: Bernhard Ruf) 35J57 (35B09 35J91)
3	MR2326023 (2008g:35035) Cui, Renhao; Wang, Yuwen; Shi, Junping Uniqueness of the positive solution for a class of semilinear elliptic systems. <i>Nonlinear Anal.</i> 67 (2007), no. 6, 1710–1714. 35J55 (35J60 35J65)
2	MR2397680 (2009a:34049) Shi, Junping; Wang, Shin-Hwa Exact multiplicity of boundary blow-up solutions for a bistable problem. <i>Comput. Math. Appl.</i> 54 (2007), no. 9-10, 1285–1292. 34B18 (47J15)
2	MR2916689 Chen, Shanshan; Shi, Junping; Wei, Junjie Global stability and Hopf bifurcation in a delayed diffusive Leslie-Gower predator-prey system. <i>Internat. J. Bifur. Chaos Appl. Sci. Engrg.</i> 22 (2012), no. 3, 1250061, 11 pp. 35Q92 (35B32 35B35 35K51 92D25)
2	MR2881849 Shi, Junping; Xie, Zhifu; Little, Kristina Cross-diffusion induced instability and stability in reaction-diffusion systems. <i>J. Appl. Anal. Comput.</i> 1 (2011), no. 1, 95–119. 35K45 (35B30 35K57 92D25 92D40)

1	MR2446335 (2009h:35126) Duo, Jia; Shi, Junping; Wang, Yuwen Structure of the solution set for a class of semilinear elliptic equations with asymptotic linear nonlinearity. <i>Nonlinear Anal.</i> 69 (2008), no. 8, 2369–2378. 35J60 (35J25 47J05 47J15)
1	MR2181246 (2006h:35051) Shi, Junping A new proof of anti-maximum principle via a bifurcation approach. <i>Results Math.</i> 48 (2005), no. 1-2, 162–167. (Reviewer: Antonio Vitolo) 35J25 (35B05 35J20)
1	MR3000609 Su, Ying; Wei, Junjie; Shi, Junping Hopf bifurcation in a diffusive logistic equation with mixed delayed and instantaneous density dependence. <i>J. Dynam. Differential Equations</i> 24 (2012), no. 4, 897–925. 35K57 (35B32 35R10 92D25)
1	MR2793549 (2012b:34242) Li, Chunxiang; Shi, Junping; Sun, Jitao Stability of impulsive stochastic differential delay systems and its application to impulsive stochastic neural networks. <i>Nonlinear Anal.</i> 74 (2011), no. 10, 3099–3111. 34K50 (34K20 34K45 60H10 92B20)
1	MR1721186 (2000j:35105) Ouyang, Tiancheng; Shi, Junping A bifurcation approach to the exact multiplicity of positive solutions of $\Delta u + \lambda f(u) = 0$ on the unit ball. Dynamical systems and differential equations, Vol. II (Springfield, MO, 1996). <i>Discrete Contin. Dynam. Systems</i> 1998 , Added Volume II, 162–173. (Reviewer: Yong Qing Li) 35J65 (34B15 35B32 47J15 58E07)
1	MR2521222 (2010h:92029) Peng, Rui; Shi, Junping; Wang, Mingxin Erratum: Stationary pattern of a ratio-dependent food chain model with diffusion [MR2341760]. <i>SIAM J. Appl. Math.</i> 70 (2009), no. 1, 368. 92C15 (35K45 92D40)
1	MR2651718 (2011g:34081) Liu, Ping; Shi, Junping; Wang, Yuwen Periodic solutions of a logistic type population model with harvesting. <i>J. Math. Anal. Appl.</i> 369 (2010), no. 2, 730–735. 34C25 (92D25)

Mirror Sites Providence, RI USA

© Copyright 2013, American Mathematical Society

[Privacy Statement](#)

