

CURRICULUM VITAE

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EDUCATION

- 1994: **Ph.D.** in Mathematics, Lanzhou University, China.
- 2003: **M.S.** in Computer Science, McMaster University, Canada.
- 1991: **M.S.** in Mathematics, Lanzhou University, China.
- 1988: **B.S.** in Mathematics, Lanzhou University, China.

ACADEMIC POSITIONS

- 2015–present: **Professor**, New Mexico Institute of Mining & Technology.
- 2010–2015: **Associate Professor**, New Mexico Institute of Mining & Technology.
- 2005–2010: **Assistant Professor**, New Mexico Institute of Mining & Technology.
- 2003–2005: **Visiting Assistant Professor**, University of Kansas, USA.
- 2001–2003: **Teaching Assistant**, McMaster University, Canada.
- 1999–2000: **Visiting Assistant Professor**, Brigham Young University, USA.
- 1998–1999: **Postdoctor**, Brigham Young University, USA.
- July 1998: **Visiting Research Fellow**, University of Cologne, Germany.
- 1997–1998: **Research Fellow**, Universidad Complutense de Madrid, Spain.
- 1996–1997: **Assistant Professor**, Tsinghua University, China
- 1994–1996: **Postdoctor**, Beijing Institute of Appl. Phys. and Comp. Math., China.

AWARDS AND FELLOWSHIPS

- Highly Cited Researcher in the Field of Mathematics (Web of Science, 2022).
- Distinguished Research Award of the New Mexico Tech (2020).
- National Science Foundation, DMS-0703521, \$158,040 (2007-2011).
- Research Fellowship of German Academic Exchange Service (DAAD) (1998).
- Research Fellowship of Spanish Ministry of Education (1997-1999).
- Grants of Postdoctoral Foundation of China (1994-1996).
- Scholarship of Natural Sciences and Engineering Research Council of Canada (2002-2003).
- Ashbaugh Scholarship of McMaster University (2001-2002).

RESEARCH

Research Interests

AMS Subject Classifications: 35B40, 37H99, 60H15, 37L30, 35K55, 92C55, 58K55, 90C30.

- Partial Differential Equations.
- Deterministic and Random Dynamical Systems.
- Stochastic Analysis.
- Mathematical Biology.

Research Citations (January 14, 2025)

- **7074** citations in Google Scholar (H-index: 47).

Publications in Refereed Journals

1. Z. Chen, X. Sun and B. Wang, Invariant measures and large deviation principles for stochastic Schrodinger delay lattice systems, *Proceedings of the Royal Society of Edinburgh: Section A Mathematics*, 2024, doi:10.1017/prm.2024.20
2. D. Li and B. Wang, Pullback measure attractors for non-autonomous stochastic reaction-diffusion equations on thin domains, *Journal of Differential Equations*, **397** (2024), 232-261.
3. Z. Chen and B. Wang, Long term dynamics of stochastic supercritical wave equations driven by multiplicative noise on unbounded domains, *Discrete and Continuous Dynamical Systems*, **44** (2024), 3807-3847.

4. Z. Chen and B. Wang, Long-term dynamics of fractional stochastic delay reaction-diffusion equations on unbounded domains, *Stochastics and Partial Differential Equations: Analysis and Computations*, 2024, <https://doi.org/10.1007/s40072-024-00334-z>
5. B. Wang, Large deviations of invariant measures of stochastic reaction-diffusion equations on unbounded domains, *Journal of Statistical Physics*, **191** (2024), No. 96, 1-28.
6. D. Li, K. Lu and B. Wang, Limiting behavior of invariant measures of stochastic reaction-diffusion equations on thin domains, *Stochastics and Dynamics*, **24** (2024), No. 06, 2450045.
7. B. Wang, Large deviation principles of stochastic reaction-diffusion lattice systems, *Discrete and Continuous Dynamical Systems Series B*, **29** (2024), 1319-1343.
8. B. Wang, Large deviations of fractional stochastic equations with non-Lipschitz drift and multiplicative noise on unbounded domains, *Journal of Differential Equations*, **376** (2023), 1-38.
9. B. Wang, Uniform large deviations of fractional stochastic equations with polynomial drift on unbounded domains, *Stochastics and Dynamics*, **23** (2023), No. 06, 2350049.
10. Z. Chen and B. Wang, Wasserstein convergence of invariant measures for fractional stochastic reaction-diffusion equations on unbounded domains, *Applied Mathematics Letters*, **147** 2023, 108842.
11. Z. Chen and B. Wang, Limiting behavior of random attractors of stochastic supercritical wave equations driven by multiplicative noise, *Applied Mathematics & Optimization*, **88** 2023, No. 59.
12. Bixiang Wang, Uniform large deviation principles of fractional stochastic reaction-diffusion equations on unbounded domains, *Discrete and Continuous Dynamical Systems Series S*, **16** (2023), 2765-2782.
13. Zhang Chen and Bixiang Wang, Asymptotic behavior of stochastic complex lattice systems driven by superlinear noise, *Journal of Theoretical Probability*, **36** (2023), 1487-1519.
14. Jianing Chen and Bixiang Wang, Random attractors of supercritical wave equations driven by infinite-dimensional additive noise on \mathbb{R}^n , *Discrete continuous Dynamical Systems Series B*, **28** (2023), 665-689.
15. Pengyu Chen, Bixiang Wang, Renhai Wang and Xuping Zhang, Multivalued random dynamics of Benjamin-Bona-Mahony equations driven by nonlinear colored noise on unbounded domains, *Mathematische Annalen*, **386** (2023), 343-373.
16. Zhang Chen and Bixiang Wang, Weak mean attractors and invariant measures for stochastic Schrodinger delay lattice systems, *Journal of Dynamics and Differential Equations*, **35** (2023), 3201-3240.
17. Zhang Chen and Bixiang Wang, Existence, exponential mixing and convergence of periodic measures of fractional stochastic delay reaction-diffusion equations on R^n , *Journal of Differential Equations*, **336** (2022), 505-564.
18. Bixiang Wang, Well-posedness and long term behavior of supercritical wave equations driven by nonlinear colored noise on \mathbb{R}^n , *Journal of Functional Analysis*, **283** (2) (2022), 109498

19. Zhang Chen, Bixiang Wang and Li Yang, Invariant measures of stochastic Schrödinger delay lattice systems, *Science China Mathematics (in Chinese)*, **52** (2022), doi: 10.1360/SCM-2021-0034
20. Pengyu Chen, Bixiang Wang and Xuping Zhang, Dynamics of fractional nonclassical diffusion equations with delay driven by additive noise on \mathbb{R}^n , *Discrete and Continuous Dynamical Systems Series B*, **27** (2022), 5129-5159.
21. Xiaohu Wang, Kening Lu and Bixiang Wang, Stationary approximations of stochastic wave equations on unbounded domains with critical exponents, *Journal of Mathematical Physics*, **62** (2021), 092702.
22. Bixiang Wang, Asymptotic behavior of supercritical wave equations driven by colored noise on unbounded domains, *Discrete and Continuous Dynamical Systems Series B*, **27** (2022), 4185-4229.
23. Zhang Chen and Bixiang Wang, Limit measures and ergodicity of fractional stochastic reaction-diffusion equations on unbounded domains, *Stochastics and Dynamics*, **22** (2022), No. 2, 2240003.
24. Zhang Chen and Bixiang Wang, Limit measures of stochastic Schrodinger lattice systems, *Proceedings of the American Mathematical Society*, **150** (2022), 1669-1684.
25. Bixiang Wang, Random attractors of supercritical stochastic wave equations, *Pure and Applied Functional Analysis*, **7** (2022), No. 4, 1457-1487.
26. Dishu Li, Bixiang Wang and Xiaohu Wang Limiting behavior of invariant measures of stochastic delay lattice systems, *Journal of Dynamics and Differential Equations*, **34** (2022), 1453-1487.
27. Zhang Chen and Bixiang Wang, Invariant measures of fractional stochastic delay reaction-diffusion equation on unbounded domains, *Nonlinearity*, **34** (2021), 3969.
28. Xiaohu Wang, Jun Shen, Kening Lu and Bixiang Wang, Wong-Zakai approximations and random attractors for non-autonomous stochastic lattice systems, *Journal of Differential Equations*, **280** (2021), 477-516.
29. Tuan Anh Phan, Jianjun Paul Tian and Bixiang Wang, Dynamics of cholera epidemic models in fluctuating environments, *Stochastics and Dynamics*, **21** (2021), 2150011.
30. Renhai Wang and Bixiang Wang, Random dynamics of non-autonomous fractional stochastic p-Laplacian equations on \mathbb{R}^n , *Banach Journal of Mathematical Analysis*, **15** (2021), article 19.
31. Bixiang Wang, Mean-square random invariant manifolds for stochastic differential equations, *Discrete and Continuous Dynamical Systems, Series A*, **41** (2021), 1449-1468.
32. Dingshi Li, Bixiang Wang and Xiaohu Wang, Periodic measures of stochastic delay lattice systems, *Journal of Differential Equations*, **272** (2021), 74-104.
33. Renhai Wang and Bixiang Wang, Global well-posedness and long-term behavior of discrete reaction-diffusion equations driven by superlinear noise, *Stochastic Analysis and Applications*, **39** (2021), 667-696.

34. Renhai Wang, Boling Guo and Bixiang Wang, Well-posedness and dynamics of fractional FitzHugh-Nagumo systems on \mathbb{R}^n driven by nonlinear noise, *Science China Mathematics*, **64** (2021), 2395-2436.
35. Zhang Chen, Xiliang Li and Bixiang Wang, Invariant measures of stochastic delay lattice systems, *Discrete and Continuous Dynamical Systems, Series B*, **26** (2021), 3235-3269.
36. Renhai Wang, Yangrong Li and Bixiang Wang, Bi-spatial pullback attractors of fractional non-classical diffusion equations on unbounded domains with (p,q)-growth nonlinearities, *Applied Mathematics and Optimization*, 84 (2021), 425-461.
37. Renhai Wang and Bixiang Wang, Asymptotic behavior of non-autonomous fractional p-Laplacian equations driven by additive noise on unbounded domains, *Bulletin of Mathematical Sciences*, 2020, 2050020, doi: 10.1142/S1664360720500204
38. Jun Shen, Kening Lu and Bixiang Wang, Random manifolds and foliations for random differential equations driven by colored noise, *Discrete and Continuous Dynamical Systems, Series A*, **40** (2020), 6201-6246.
39. Renhai Wang and Bixiang Wang, Random dynamics of p-Laplacian lattice systems driven by infinite-dimensional nonlinear noise, *Stochastic Processes and their Applications*, **130** (2020), 7431-7462.
40. Anhui Gu and Bixiang Wang, Random attractors of reaction-diffusion equations without uniqueness driven by nonlinear colored noise, *Journal of Mathematical Analysis and Applications*, **486** (2020), 123880.
41. Anhui Gu, Boling Guo and Bixiang Wang, Long term behavior of random Navier-Stokes equations driven by colored noise, *Discrete and Continuous Dynamical Systems, Series B*, 25 (2020), 2495-2532.
42. Bixiang Wang and Renhai Wang, Asymptotic behavior of stochastic Schrodinger lattice systems driven by nonlinear noise, *Stochastic Analysis and Applications*, **38** (2020), 213-237.
43. Renhai Wang and Bixiang Wang, Random dynamics of lattice wave equations driven by infinite-dimensional nonlinear noise, *Discrete and Continuous Dynamical Systems, Series B*, 25 (2020), 2461-2493.
44. Renhai Wang, Lin Shi and Bixiang Wang, Asymptotic behavior of fractional nonclassical diffusion equations driven by nonlinear colored noise on \mathbb{R}^N , *Nonlinearity*, 32 (2019), 4524-4556.
45. Bixiang Wang, Dynamics of fractional stochastic reaction-diffusion equations on unbounded domains driven by nonlinear noise, *Journal of Differential Equations*, **268** (2019), 1-59.
46. Dingshi Li, Bixiang Wang and Xiaohu Wang, Random dynamics of fractional stochastic reaction-diffusion equations on \mathbb{R}^n without uniqueness, *Journal of Mathematical Physics*, **60** (2019), 072704, 1-21.
47. Bixiang Wang, Dynamics of stochastic reaction-diffusion lattice systems driven by nonlinear noise, *Journal of Mathematical Analysis and Applications*, **477** (2019), 104-132.

48. Lin Shi, Renhai Wang, Kening Lu and Bixiang Wang, Asymptotic behavior of stochastic FitzHugh-Nagumo systems on unbounded thin domains, *Journal of Differential Equations*, **267** (2019), 4373-4409.
49. Jun Shen, Kening Lu and Bixiang Wang, Convergence and center manifolds for differential equations driven by colored noise, *Discrete and Continuous Dynamical Systems, Series A*, **39** (2019), 4797-4840.
50. Renhai Wang and Bixiang Wang, Asymptotic behavior of non-autonomous fractional stochastic p-Laplacian equations, *Computers and Mathematics with Applications*, **78** (2019), 3527-3543.
51. Renhai Wang, Yangrong Li and Bixiang Wang, Random dynamics of fractional nonclassical diffusion equations driven by colored noise, *Discrete and Continuous Dynamical Systems, Series A*, **39** (2019), 4091-4126.
52. Dingshi Li, Kening Lu, Bixiang Wang and Xiaohu Wang, Limiting dynamics for non-autonomous stochastic retarded reaction-diffusion equations on thin domains, *Discrete and Continuous Dynamical Systems, Series A*, **39** (2019), 3717-3747.
53. Bixiang Wang, Weak Pullback Attractors for Stochastic Navier-Stokes Equations with Nonlinear Diffusion Terms, *Proceedings of the American Mathematical Society*, **147** (2019), 1627-1638.
54. Bixiang Wang, Weak pullback attractors for mean random dynamical systems in Bochner spaces, *Journal of Dynamics and Differential Equations*, **31** (2019), 2177-2204.
55. Anhui Gu and Bixiang Wang, Random attractors of FitzHugh-Nagumo systems driven by colored noise on unbounded domains, *Stochastics and Dynamics*, **19** (2019), No. 05, 1950035.
56. Jun Shen, Junyilang Zhao, Kening Lu and Bixiang Wang, The Wong-Zakai approximations of invariant manifolds and foliations for stochastic evolution equations, *Journal of Differential Equations*, **266** (2019), 4568-4623.
57. Kening Lu and Bixiang Wang, Wong-Zakai approximations and long term behavior of stochastic partial differential equations, *Journal of Dynamics and Differential Equations*, **31** (2019), 1341-1371.
58. Anhui Gu, Kening Lu and Bixiang Wang, Asymptotic behavior of random Navier-Stokes equations driven by Wong-Zakai approximations, *Discrete and Continuous Dynamical Systems, Series A*, **39** (2019), 185-218
59. Yadong Shang, Jianjun Paul Tian and Bixiang Wang, Asymptotic behavior of the stochastic Keller-Segel equations, *Discrete and Continuous Dynamical Systems, Series B*, **24** (2019), 1367-1391.
60. Hong Lu, Jiangang Qi, Bixiang Wang and Mingji Zhang, Random attractors for non-autonomous fractional stochastic parabolic equations on unbounded domains, *Discrete and Continuous Dynamical Systems, Series A*, **39** (2019), 683-706.
61. Anhui Gu, Dingshi Li, Bixiang Wang and Han Yang, Regularity of random attractors for fractional stochastic reaction-diffusion equations on \mathbb{R}^n , *Journal of Differential Equations*, **264** (2018), 7094-7137.

62. Anhui Gu and Bixiang Wang, Asymptotic behavior of random FitzHugh-Nagumo systems driven by colored noise, *Discrete and Continuous Dynamical Systems, Series B*, **23** (2018), 1689-1720.
63. Xiaohu Wang, Kening Lu and Bixiang Wang, Wong-Zakai approximations and attractors for stochastic reaction-diffusion equations on unbounded domains, *Journal of Differential Equations*, **264** (2018), 378-424.
64. Dingshi Li, Kening Lu, Bixiang Wang and Xiaohu Wang, Limiting behavior of dynamics for stochastic reaction-diffusion equations with additive noise on thin domains, *Discrete and Continuous Dynamical Systems, Series A*, **38** (2018), 187-208.
65. Bixiang Wang, Asymptotic behavior of non-autonomous fractional stochastic reaction-diffusion equations, *Nonlinear Analysis TMA*, **158** (2017), 60-82.
66. Bixiang Wang, Multivalued non-autonomous random dynamical systems for wave equations without uniqueness, *Discrete and Continuous Dynamical Systems, Series B*, **22** (2017), 2011-2051.
67. Dingshi Li, Bixiang Wang and Xiaohu Wang, Limiting behavior of non-autonomous stochastic reaction-diffusion equations on thin domains, *Journal of Differential Equations*, **262** (2017), 1575-1602.
68. Xiaohu Wang, Kening Lu and Bixiang Wang, Exponential stability of non-autonomous stochastic delay lattice systems with multiplicative noise, *Journal of Dynamics and Differential Equations*, **28** (2016), 1309-1335.
69. Xiaohu Wang, Kening Lu and Bixiang Wang, Long term behavior of delay parabolic equations with additive noise and deterministic time dependent forcing, *SIAM Journal on Applied Dynamical Systems*, **14** (2015), 1018-1047.
70. Bixiang Wang, Stochastic bifurcation of pathwise random almost periodic and almost automorphic solutions for random dynamical systems, *Discrete and Continuous Dynamical Systems, Series A*, **35** (2015), 3745-3769.
71. Peter W. Bates, Kening Lu and Bixiang Wang, Attractors of non-autonomous stochastic lattice systems in weighted spaces, *Physica D*, **289** (2014), 32-50.
72. Bixiang Wang, Existence and upper semicontinuity of attractors for stochastic equations with deterministic non-autonomous terms, *Stochastics and Dynamics*, **14** (2014), No. 4, 1450009, 1-31.
73. Andrew Krause and Bixiang Wang, Pullback attractors of non-autonomous stochastic degenerate parabolic equations on unbounded domains, *J. Math. Anal. Appl.*, **417** (2014), 1018-1038.
74. Bixiang Wang, Existence, stability and bifurcation of random complete and periodic solutions of stochastic parabolic equations, *Nonlinear Analysis TMA*, **103** (2014), 9-25.
75. Bixiang Wang, Random attractors for non-autonomous stochastic wave equations with multiplicative noise, *Continuous and Discrete Dynamical Systems, Series A*, **34** (2014), 269-300.

76. Andrew Krause, Michael Lewis and Bixiang Wang, Dynamics of the non-autonomous stochastic p -Laplace equation driven by multiplicative noise, *Applied Mathematics and Computation*, **246** (2014), 365-376.
77. Bixiang Wang and Boling Guo, Asymptotic behavior of non-autonomous stochastic parabolic equations with nonlinear Laplacian principal part, *Electronic J. Differential Equations*, **2013** (2013), No. 191, 1-25.
78. Abiti Adili and Bixiang Wang, Random attractors for non-autonomous stochastic FitzHugh-Nagumo systems with multiplicative noise, *Continuous and Discrete Dynamical Systems*, Supplement (2013), 1-10.
79. Peter W. Bates, Kening Lu and Bixiang Wang, Tempered random attractors for parabolic equations in weighted spaces, *J. Math. Physics*, **54** (2013), 081505, 1-26.
80. Abiti Adili and Bixiang Wang, Random attractors for stochastic FitzHugh-Nagumo systems driven by deterministic non-autonomous forcing, *Continuous and Discrete Dynamical Systems Series B*, **18** (2013), 643-666.
81. Robert Jones and Bixiang Wang, Asymptotic behavior of a class of stochastic nonlinear wave equations with dispersive and dissipative terms, *Nonlinear Analysis, Real World Applications*, **14** (2013), 1308-1322.
82. Bixiang Wang, Sufficient and necessary criteria for existence of pullback attractors for non-compact random dynamical systems, *J. Differential Equations*, **253** (2012), 1544-1583.
83. Bixiang Wang, Periodic random attractors for stochastic Navier-Stokes equations on unbounded domains, *Electronic J. Differential Equations*, **2012** (2012), No. 59, 1-18.
84. Bixiang Wang, Almost periodic dynamics of perturbed infinite-dimensional dynamical systems, *Nonlinear Analysis TMA*, **74** (2011), 7252-7260.
85. Bixiang Wang, Asymptotic behavior of stochastic wave equations with critical exponents on \mathbb{R}^3 , *Transactions of Amer. Math. Soc.*, **363** (2011), 3639-3663.
86. Kasimir Gabert and Bixiang Wang, Non-autonomous attractors for singularly perturbed parabolic equations on \mathbb{R}^n , *Nonlinear Analysis TMA*, **73** (2010) 3336-3347.
87. Weishi Liu and Bixiang Wang, Poisson-Nernst-Planck Systems for Narrow Tubular-Like Membrane Channels, *J. Dynamics and Differential Equations*, **22** (2010), 413-437.
88. Bixiang Wang and Robert Jones, Asymptotic behavior of a class of non-autonomous degenerate parabolic equations, *Nonlinear Analysis TMA*, **72** (2010) 3887-3902.
89. Bixiang Wang and Xiaoling Gao, Random attractors for wave equations on unbounded domains, *Discrete and Continuous Dynamical Systems*, Supplement (2009), 800-809.
90. Bixiang Wang, Upper semicontinuity of random attractors for non-compact random dynamical systems, *Electronic J. Differential Equations*, **2009** (2009), No. 139, 1-18.

91. Bixiang Wang, Random attractors for the stochastic FitzHugh-Nagumo system on unbounded domains, *Nonlinear Analysis TMA*, **71** (2009), 2811-2828.
92. Bixiang Wang, Pullback attractors for the non-autonomous FitzHugh-Nagumo system on unbounded domains, *Nonlinear Analysis TMA*, **70** (2009), 3799-3815.
93. Bixiang Wang, Random attractors for the stochastic Benjamin-Bona-Mahony equation on unbounded domains, *J. Differential Equations*, **246** (2009), 2506-2537.
94. Bixiang Wang, Pullback attractors for non-autonomous Reaction-Diffusion equations on \mathbb{R}^n , *Frontiers of Mathematics in China*, **4** (2009), 563-583.
95. Peter W. Bates, Kening Lu and Bixiang Wang, Random attractors for stochastic Reaction-Diffusion equations on unbounded domains, *J. Differential Equations*, **246** (2009), 845-869.
96. Guglielmo Fucci, Bixiang Wang and Preeti Singh, Asymptotic behavior of the Newton-Boussinesq equation in a two-dimensional channel, *Nonlinear Analysis TMA*, **70** (2009), 2000-2013.
97. Bixiang Wang, Uniform attractors of non-autonomous discrete Reaction-Diffusion systems in weighted spaces, *International J. Bifurcation and Chaos*, **18** (2008), 695-716.
98. Bixiang Wang and Siyu Lin, Existence of global attractors for the three-dimensional Brinkman-Forchheimer equation, *Mathematical Methods in the Applied Sciences*, **31** (2008), 1479-1495.
99. Timothy Trujillo and Bixiang Wang, Continuity of strong solutions of the Reaction-Diffusion equation in initial data, *Nonlinear Analysis TMA*, **69** (2008), 2525-2532.
100. Bixiang Wang, Daniel W. Fussner and Chenggeng Bi, Existence of global attractors for the Benjamin-Bona-Mahony equation in unbounded domains, *J. Phys. A*, **40** (2007), 10491-10504.
101. Bixiang Wang, Dynamical behavior of the almost-periodic discrete FitzHugh-Nagumo systems, *International J. Bifurcation and Chaos*, **17** (2007), 1673-1685.
102. Bixiang Wang, Asymptotic behavior of non-autonomous lattice systems, *J. Math. Anal. Appl.*, **331** (2007), 121-136.
103. Weishi Liu and Bixiang Wang, Asymptotic behavior of the FitzHugh-Nagumo system, *International J. Evolution Equations*, **2** (2007), 129-163.
104. Bixiang Wang, Dynamics of systems on infinite lattices, *J. Differential Equations*, **221** (2006), 224-245.
105. Milena Stanislavova, Atanas Stefanov and Bixiang Wang, Asymptotic smoothing and attractors for the generalized Benjamin-Bona-Mahony equation on \mathbb{R}^3 , *J. Differential Equations*, **219** (2005), 451-483.
106. Erik Van Vleck and Bixiang Wang, Attractors for lattice FitzHugh-Nagumo systems, *Physica D*, **212** (2005), 317-336.
107. Kening Lu and Bixiang Wang, Upper semicontinuity of attractors for the Klein-Gordon-Schrodinger equation on unbounded domains, *International Journal of Bifurcation and Chaos*, **15** (2005), 157-168.

108. Christopher Kumar Anand, Tamas Terlaky and Bixiang Wang, Rapid and embeddable design method for magnetic resonance image reconstruction resampling kernels, *Optimization and Engineering*, **5** (2004), 485-502.
109. Bixiang Wang, Uniqueness of solutions for the Ginzburg-Landau model of superconductivity in three spatial dimensions, *J. Math. Anal. Appl.*, **266** (2002), 1-20.
110. Boling Guo and Bixiang Wang, Long time behavior of the solutions for the multidimensional Kolmogorov-Spiegel-Sivashinsky equation, *Acta Math. Sinica*, **18** (2002), 579-596.
111. Peter W. Bates, Kening Lu and Bixiang Wang, Attractors for lattice dynamical systems, *International Journal of Bifurcation and Chaos*, **11** (2001), 143-153.
112. Kening Lu and Bixiang Wang, Attractors for the Klein-Gordon-Schrodinger equation in unbounded domains, *J. Differential Equations*, **170** (2001), 281-316.
113. Anibal Rodriguez-Bernal and Bixiang Wang, Cauchy problem for the time dependent Ginzburg-Landau model of superconductivity, *Proceedings of Royal Society of Edinburgh*, **130A** (2000), 1383-1404.
114. Anibal Rodriguez-Bernal and Bixiang Wang, Attractors for partly dissipative reaction diffusion equations, *J. Math. Anal. Appl.*, **252** (2000), 790-803.
115. Wanli Yang and Bixiang Wang, On the question of global existence for the two-component reaction diffusion systems with the mixed boundary conditions, *Nonlinear Analysis TMA*, **39** (2000), 755-766.
116. Bixiang Wang, Attractors for reaction diffusion equations in unbounded domains, *Physica D*, **128** (1999), 41-52.
117. Bixiang Wang, Existence of time periodic solutions for the Ginzburg-Landau equations of superconductivity, *J. Math. Anal. Appl.*, **232** (1999), 394-412.
118. Bixiang Wang and Ning Su, Weak solutions of Ginzburg-Landau equations of superconductivity, *Appl. Math. Lett.*, **12** (1999), 115-118.
119. Bixiang Wang and Horst Lange, Attractors for the Klein-Gordon-Schrodinger equation, *J. Math. Phys.*, **40** (1999), 2445-2457.
120. Bixiang Wang and Ning Su, Existence of solutions for Ginzburg-Landau equations of superconductivity in three spatial dimensions, *Proceedings of Royal Society of Edinburgh*, **129A** (1999), 627-639.
121. Anibal Rodriguez-Bernal, Bixiang Wang and Robert Willie, Asymptotic behaviour of time-dependent Ginzburg-Landau equations of superconductivity, *Mathematical Methods in the Applied Sciences*, **22** (1999), 1647-1669.
122. Horst Lange and Bixiang Wang, Regularity of attractors for the Klein-Gordon-Schrodinger equation, *Mathematical Methods in the Applied Sciences*, **22** (1999), 1535-1554.

123. Anibal Rodriguez-Bernal and Bixiang Wang, Reduction of dimensions of approximate inertial manifolds by symmetry, *Bull. Australian Math. Soc.*, **60** (1999), 319-330.
124. Boling Guo and Bixiang Wang, Finite dimensional behaviour for the derivative Ginzburg-Landau equation in two spatial dimensions, *Physica D*, **89** (1995), 83-99.
125. Bixiang Wang and Boling Guo, Attractors for the Davey-Stewartson system on \mathbb{R}^2 , *J. Math. Physics*, **38** (1997), 2524-2534.
126. Bixiang Wang and Wanli Yang, Finite dimensional behaviour for the Benjamin-Bona-Mahony equation, *J. Phys. A*, **30** (1997), 4877-4885.
127. Bixiang Wang, Strong attractors for the Benjamin-Bona-Mahony equation, *Appl. Math. Lett.*, **10** (1997), 23-28.
128. Bixiang Wang, Attractors and approximate inertial manifolds for the generalized Benjamin-Bona-Mahony equation, *Mathematical Methods in the Applied Sciences*, **20** (1997), 189-203.
129. Hans G. Kaper, Bixiang Wang and Shouhong Wang, Determining nodes for the time dependent Ginzburg-Landau equations of superconductivity, *Discrete and Continuous Dynamical Systems*, **4** (1998), 205-224.
130. Bixiang Wang, Regularity of attractors for the Benjamin-Bona-Mahoney equation, *J. Phys. A*, **31** (1998), 7635-7645.
131. Bixiang Wang and Shouhong Wang, Gevrey class regularity for the time dependent Ginzburg-Landau equations of superconductivity, *Discrete and Continuous Dynamical Systems*, **4** (1998), 507-522.
132. Boling Guo and Bixiang Wang, Gevrey class regularity and approximate inertial manifolds for the Newton-Boussinesq equation, *Chinese Annals of Math.*, **19B** (1998), 179-188.
133. Boling Guo and Bixiang Wang, Gevrey regularity and approximate inertial manifolds for the derivative Ginzburg-Landau equation in two spatial dimensions, *Discrete and Continuous Dynamical Systems*, **2** (1996), 455-466.
134. Zhenchao Cao, Boling Guo and Bixiang Wang, Global existence theory for the two dimensional derivative Ginzburg-Landau equation, *Chinese Sci. Bull.*, **43** (1998), 393-395.
135. Boling Guo and Bixiang Wang, Exponential attractors for the generalized Ginzburg-Landau equation, *Acta Math. Sinica*, **16** (2000), 515-526.
136. Boling Guo and Bixiang Wang, Weak solutions to the two dimensional derivative Ginzburg-Landau equation, *Acta Math. Appl. Sinica*, **15** (1999), no. 1, 1-8.
137. Boling Guo and Bixiang Wang, Attractors for the long-short wave equations, *J. Partial Differential Equations*, **11** (1998), 361-383.
138. Boling Guo and Bixiang Wang, Upper semicontinuity of attractors for the reaction diffusion equation, *Acta Math. Scientia*, **18** (1998), 139-145.

139. Boling Guo and Bixiang Wang, Global existence for the Landau-Lifshitz equation, *Acta Math. Scientia*, **17** (1997), 429-436.
140. Bixiang Wang and Ke Shi, On nonlinear Galerkin approximation, *J. Computational Math.*, **17** (1997), 23-35.
141. Boling Guo and Bixiang Wang, Approximate inertial manifolds for the Newton-Boussinesq equation, *J. Partial Differential Equations*, **9** (1996), 237-250.
142. Boling Guo and Bixiang Wang, The global solution and its long time behavior for a class of generalized LS type equations, *Progress in Natural Science*, **6** (1996), 533-546.
143. Boling Guo and Bixiang Wang, Approximation to the global attractor of nonlinear Schrodinger equation, *Appl. Math. J. Chinese Univ.*, **11** (1996), 125-136.
144. Xianling Fan and Bixiang Wang, Error analysis of nonlinear Galerkin methods for Kuramoto-Sivashinsky equations, *Numer. Math. J. Chinese Univ.*, **5** (1996), 49-61.
145. Xianling Fan and Bixiang Wang, Conservative periodic solutions of prescribed average energy for singular Hamiltonian inclusions, *J. Math. Study*, **28** (1995), 1-10.
146. Boling Guo and Bixiang Wang, The global solution and its long time behaviour for a class of generalized LS type equations, *Advances in Math.(China)*, **24** (1995), 179-181.
147. Boling Guo and Bixiang Wang, Approximation to the global attractor of for the Landau-Lifshitz equation of the Ferromagnetic spin chain, *Beijing Math.*, **1** (1995), 164-174.
148. Xianling Fan and Bixiang Wang, Remarks on periodic solutions of prescribed energy for singular Hamiltonian systems, *Houston J. Math.*, **17** (1991), 385-393.

Book Chapters

149. Bixiang Wang, Periodic and almost periodic random inertial manifolds for non-autonomous stochastic equations, 189-208, *Continuous and Distributed Systems II: Theory and Applications*, Edited by V.A. Sadovnichiy and M.Z. Zgurovsky, Springer, 2015, arXiv:1409.3883.
150. Bixiang Wang, Long time behavior of lattice Schrodinger systems, in: *Advances in Mathematics Research*, Vol 9, Edited by A. R. Baswell, Nova Since Publisher, New York, 2009, 113-131.