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谭 兵

2023年12月毕业（数学博士）

个人简介

谭兵，男，1995年5月生，四川广安人，中共党员。现为电子科技大学在读博士研究生（专业：应用数学），预计2023年12月毕业，导师为肖义彬教授。攻博期间在本领域权威刊物Journal of Scientific Computing、Journal of Global Optimization、 Numerical Algorithms、 Applied Numerical Mathematics等期刊发表SCI科研论文40余篇，其中第一作者论文30余篇，5篇第一作者论文入选（科睿唯安）ESI数学领域前1%高被引论文，6篇论文发表于中科院（升级版）二区期刊。SCI数据库Web of Science显示H指数为9，论文总被引250余次。现担任美国数学会MathSciNet和德国数学文摘zbMATH的评论员，以及10余个SCI期刊的审稿人。攻博期间获得博士国家奖学金（2次）、电子科技大学一等学业奖学金（3次）、电子科技大学博士研究生学术新秀（5%）等荣誉。（联系方式：电话 18328071036，邮箱 bingtan72@gmail.com，微信号: bingtan_optim）

研究方向

变分不等式、不动点问题、分裂问题、包含问题及其它相关问题的迭代算法与应用
信号处理、图像处理、最优控制
Hadamard流行上的算法研究

教育经历

2020.09–2023.12 **博士（硕博连读）**，电子科技大学, 专业：应用数学, 导师：肖义彬教授.
毕设题目：变分不等式和包含问题的加速算法研究

2022.03–2023.02 **博士联合培养**, *University of British Columbia* （不列颠哥伦比亚大学，*QS2023排名47*），导师：Prof. Shawn Wang (王宪福教授).
受国家留学基金委资助前往UBC数学系联合培养一年，学习非线性分析与优化领域的前沿知识

2018.09–2020.09 **硕士（推免）**，电子科技大学, 专业：应用数学, 导师：秦小龙教授、李颂孝教授.

2014.09–2018.09 **本科**, 西南石油大学, 专业：数学与应用数学.

出版物

本人在数学SCI期刊已发表论文46篇，其中第一作者30余篇（二区6篇），ESI高被引论文5篇，发表在中国数学会高水平期刊上的文章有18篇。近年来，谭兵与国内外多名专家学者建立了密切的合作关系。注：下面的论文分区均指文章发表当年中国科学院文献情报中心期刊分区表升级版的大类分区，"*"指通讯作者。

第一作者的SCI文章（按年份降序）：6篇二区，5篇三区，19篇四区，1篇无分区

1. **Bing Tan**, Pongsakorn Sunthrayuth*, Prasit Cholamjiak, Yeol Je Cho. Modified inertial extragradient methods for finding minimum-norm solution of the variational inequality problem with applications to optimal control problem. *International Journal of Computer Mathematics*. 2023, 100(3), 525–545. (SCI，EI，中科院四区)

2. **Bing Tan**, Songxiao Li*. Adaptive inertial subgradient extragradient methods for finding minimum-norm solutions of pseudomonotone variational inequalities. *Journal of Industrial and Management Optimization*. 2023, doi:10.3934/jimo.2023012. (SCI，EI，中科院四区，中国数学会跨学科应用数学类T3期刊)

3. **Bing Tan**, Xiaolong Qin*, Sun Young Cho. Revisiting subgradient extragradient methods for solving variational inequalities. *Numerical Algorithms*. 2022, 90(4), 1593–1615. (SCI，中科院三区，中国数学会应用数学

类T2期刊)

4. **Bing Tan**, Xiaolong Qin*, Jen-Chih Yao. Strong convergence of inertial projection and contraction methods for pseudomonotone variational inequalities with applications to optimal control problems. *Journal of Global Optimization*. 2022, 82(3), 523–557. (SCI，EI，中科院三区，中国数学会应用数学类T2期刊)

5. **Bing Tan**, Xiaolong Qin*. Modified inertial projection and contraction algorithms for solving variational inequality problems with non-Lipschitz continuous operators. *Analysis and Mathematical Physics*. 2022, 12(1), Article ID 26. (SCI，中科院四区，中国数学会应用数学类T3期刊)

6. **Bing Tan**, Adrian Petruşel, Xiaolong Qin*, Jen-Chih Yao. Global and linear convergence of alternated inertial single projection algorithms for pseudo-monotone variational inequalities. *Fixed Point Theory*. 2022, 23(1), 391–426. (SCI，中科院四区，中国数学会应用数学类T3期刊)

7. **Bing Tan**, Xiaolong Qin*. Self adaptive viscosity-type inertial extragradient algorithms for solving variational inequalities with applications. *Mathematical Modelling and Analysis*. 2022, 27(1), 41–58. (SCI，中科院四区，2022年ESI高被引论文)

8. **Bing Tan**, Liya Liu*, Xiaolong Qin. Strong convergence of inertial extragradient algorithms for solving variational inequalitis and fixed point problems. *Fixed Point Theory*. 2022, 23(2), 707–728. (SCI，中科院四区，中国数学会数学类T3期刊)

9. **Bing Tan**, Sun Young Cho*, Jen-Chih Yao. Accelerated inertial subgradient extragradient algorithms with non-monotonic step sizes for equilibrium problems and fixed point problems. *Journal of Nonlinear and Variational Analysis*. 2022, 6(1), 89–122. (SCI，中科院二区)

10. **Bing Tan**, Sun Young Cho*. Two adaptive modified subgradient extragradient methods for bilevel pseudomonotone variational inequalities with applications. *Communications in Nonlinear Science and Numerical Simulation*. 2022, 107, Article ID 106160. (SCI，EI，中科院二区，中国数学会应用跨学科数学类T3期刊)

11. **Bing Tan**, Sun Young Cho*. Two projection-based methods for bilevel pseudomonotone variational inequalities involving non-Lipschitz operators. *Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas*. 2022, 116(2), Article ID 64. (SCI，EI，中科院二区)

12. **Bing Tan**, Sun Young Cho*. Strong convergence of inertial forward–backward methods for solving monotone inclusions. *Applicable Analysis*. 2022, 101(15), 5386–5414. (SCI，中科院四区)

13. **Bing Tan**, Sun Young Cho*. Inertial extragradient algorithms with non-monotone stepsizes for pseudomonotone variational inequalities and applications. *Computational and Applied Mathematics*. 2022, 41(3), Article ID 121. (SCI，EI，中科院四区)

14. **Bing Tan**, Sun Young Cho*. Two new projection algorithms for variational inequalities in Hilbert spaces. *Journal of Nonlinear and Convex Analysis*. 2022, 23(11), 2523–2534. (SCI，中科院四区)

15. **Bing Tan**, Songxiao Li*. Modified inertial projection and contraction algorithms with non-monotonic step sizes for solving variational inequalities and their applications. *Optimization*. 2022, doi:10.1080/02331934.2022.2123705. (SCI，中科院三区，中国数学会应用数学类T3期刊)

16. **Bing Tan**, Zheng Zhou, Songxiao Li*. Viscosity-type inertial extragradient algorithms for solving variational inequality problems and fixed point problems. *Journal of Applied Mathematics and Computing*. 2022, 68(2), 1387–1411. (SCI，中科院三区)

17. **Bing Tan**, Xiaolong Qin*, Jen-Chih Yao. Strong convergence of self-adaptive inertial algorithms for solving split variational inclusion problems with applications. *Journal of Scientific Computing*. 2021, 87(1), Article ID 20. (SCI，中科院二区，中国数学会应用数学类T2期刊，2022年ESI高被引论文)

18. **Bing Tan**, Xiaolong Qin*, Jen-Chih Yao. Two modified inertial projection algorithms for bilevel pseudomonotone variational inequalities with applications to optimal control problems. *Numerical Algorithms*. 2021, 88(4), 1757–1786. (SCI，中科院二区，中国数学会应用数学T2期刊)

19. **Bing Tan**, Liya Liu, Xiaolong Qin*. Self adaptive inertial extragradient algorithms for solving bilevel pseudomonotone variational inequality problems. *Japan Journal of Industrial and Applied Mathematics*. 2021, 38(2), 519–543. (SCI，EI，中科院四区，日本工业与应用数学学会会刊，2022年ESI高被引论文)

20. **Bing Tan**, Sun Young Cho*. Self-adaptive inertial shrinking projection algorithms for solving pseudomonotone variational inequalities. *Journal of Nonlinear and Convex Analysis*. 2021, 22(3), 613–627. (SCI，中科院四区)

21. **Bing Tan**, Songxiao Li, Sun Young Cho*. Inertial projection and contraction methods for pseudomonotone variational inequalities with non-Lipschitz operators and applications. *Applicable Analysis*. 2021, doi:10.1080/00036811.2021.1979219. (SCI，中科院四区)

22. **Bing Tan**, Songxiao Li*, Xiaolong Qin. Self-adaptive inertial single projection methods for variational inequalities involving non-Lipschitz and Lipschitz operators with their applications to optimal control problems. *Applied Numerical Mathematics*. 2021, 170, 219–241. (SCI，EI，中科院三区，中国数学会应用数学T2期刊)

23. **Bing Tan**, Songxiao Li*, Xiaolong Qin. An accelerated extragradient algorithm for bilevel pseudomonotone variational inequality problems with application to optimal control problems. *Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas*. 2021, 115(4), Article ID 174. (SCI，EI，中科院二区)

24. **Bing Tan**, Songxiao Li*, Xiaolong Qin. On modified subgradient extragradient methods for pseudomonotone variational inequality problems with applications. *Computational and Applied Mathematics*. 2021, 40(7), Article ID 253. (SCI，EI，中科院四区)

25. **Bing Tan**, Jingjing Fan, Songxiao Li*. Self-adaptive inertial extragradient algorithms for solving variational inequality problems. *Computational and Applied Mathematics*. 2021, 40(1), Article ID 19. (SCI，EI，中科院四区，2022年ESI高被引论文)

26. **Bing Tan***, Songxiao Li. Strong convergence of inertial Mann algorithms for solving hierarchical fixed point problems. *Journal of Nonlinear and Variational Analysis*. 2020, 4(3), 337–355. (SCI，2020年无分区)

27. **Bing Tan**, Zheng Zhou, Xiaolong Qin*. Accelerated projection-based forward-backward splitting algorithms for monotone inclusion problems. *Journal of Applied Analysis and Computation*. 2020, 10(5), 2184–2197. (SCI，中科院四区，中国数学会应用数学类T3期刊)

28. **Bing Tan**, Shanshan Xu, Songxiao Li*. Inertial shrinking projection algorithms for solving hierarchical variational inequality problems. *Journal of Nonlinear and Convex Analysis*. 2020, 21(4), 871–884. (SCI，中科院四区，2022年ESI高被引论文)

29. **Bing Tan**, Shanshan Xu, Songxiao Li*. Inertial hybrid and shrinking projection algorithms for solving variational inequality problems. *Journal of Nonlinear and Convex Analysis*. 2020, 21(10), 2193–2206. (SCI，中科院四区)

30. **Bing Tan**, Shanshan Xu, Songxiao Li*. Modified inertial hybrid and shrinking projection algorithms for solving fixed point problems. *Mathematics*. 2020, 8(2), Article ID 236. (SCI，中科院四区)

31. **Bing Tan**, Zheng Zhou, Songxiao Li*. Strong convergence of modified inertial Mann algorithms for nonexpansive mappings. *Mathematics*. 2020, 8(4), Article ID 462. (SCI，中科院四区)

<p style="text-align:center">第一作者的EI文章（按年份降序）：6篇EI</p>

1. **Bing Tan**, Xiaolong Qin*. Adaptive modified inertial projection and contraction methods for pseudomonotone variational inequalities. *Journal of Applied and Numerical Optimization*. 2022, 4(2), 221–243. (EI)

2. **Bing Tan**, Songxiao Li*. Revisiting projection and contraction algorithms for solving variational inequalities and applications. *Applied Set-Valued Analysis and Optimization*. 2022, 4(2), 167–183. (EI)

3. **Bing Tan**, Songxiao Li*, Sun Young Cho. Revisiting inertial subgradient extragradient algorithms for solving bilevel variational inequality problems. *Journal of Applied and Numerical Optimization*. 2022, 4(3), 425–444. (EI)

4. **Bing Tan**, Sun Young Cho*. Inertial extragradient methods for solving pseudomonotone variational inequalities with non-Lipschitz mappings and their optimization applications. *Applied Set-Valued Analysis and Optimization*. 2021, 3(2), 165–192. (EI)

5. **Bing Tan**, Sun Young Cho*. An inertial Mann-like algorithm for fixed points of nonexpansive mappings in Hilbert spaces. *Journal of Applied and Numerical Optimization*. 2020, 2(3), 335–351. (EI)

6. **Bing Tan***, Shanshan Xu. Strong convergence of two inertial projection algorithms in Hilbert spaces. *Journal of Applied and Numerical Optimization*. 2020, 2(2), 171–186. (EI)

<div align="center">非第一作者的SCI文章（按年份降序）：1篇二区，2篇三区，12篇四区</div>

1. Yinglin Luo, **Bing Tan**, Songxiao Li*. Inertial splitting algorithms for nonlinear operators of pseudocontractive and accretive types. *Optimization*. 2023, 72(3), 647–675. (SCI，中科院三区，中国数学会应用数学类T3期刊)

2. Shaotao Hu, Yuanheng Wang*, **Bing Tan**, Fenghui Wang. Inertial iterative method for solving variational inequality problems of pseudo-monotone operators and fixed point problems of nonexpansive mappings in Hilbert spaces. *Journal of Industrial and Management Optimization*. 2023, 19(4), 2655–2675. (SCI，EI，中科院四区，中国数学会跨学科应用数学类T3期刊)

3. Zheng Zhou, **Bing Tan**, Songxiao Li*. Adaptive hybrid steepest descent algorithms involving an inertial extrapolation term for split monotone variational inclusion problems. *Mathematical Methods in the Applied Sciences*. 2022, 45(15), 8835–8853. (SCI，EI，中科院四区，中国数学会应用数学类T3期刊，2022年ESI高被引论文)

4. Zheng Zhou, **Bing Tan**, Sun Young Cho*. Alternated inertial subgradient extragradient methods for solving variational inequalities. *Journal of Nonlinear and Convex Analysis*. 2022, 23(11), 2593–2604. (SCI，中科院四区)

5. Zheng Zhou, **Bing Tan**, Songxiao Li*. Two self-adaptive inertial projection algorithms for solving split variational inclusion problems. *AIMS Mathematics*. 2022, 7(4), 4960–4973. (SCI，中科院四区)

6. Jingjing Fan, Xiaolong Qin*, **Bing Tan**. Tseng's extragradient algorithm for pseudomonotone variational inequalities on Hadamard manifolds. *Applicable Analysis*. 2022, 101(6), 2372–2385. (SCI，中科院四区)

7. Zhongbing Xie, Gang Cai*, **Bing Tan**. Inertial subgradient extragradient method for solving pseudomonotone equilibrium probelms and fixed point problems in Hilbert spaces. *Optimization*. 2022, doi:10.1080/02331934.2022.2157677. (SCI，中科院三区，中国数学会应用数学类T3期刊)

8. Liya Liu, **Bing Tan**, Abdul Latif*. Approximation of fixed points for a semigroup of Bregman quasi-nonexpansive mappings in Banach spaces. *Journal of Nonlinear and Variational Analysis*. 2021, 5(1), 9–22. (SCI，EI，中科院二区)

9. Zheng Zhou*, **Bing Tan**, Songxiao Li. An accelerated hybrid projection method with a self-adaptive step-size sequence for solving split common fixed point problems. *Mathematical Methods in the Applied Sciences*. 2021, 44(8), 7294–7303. (SCI，EI，中科院四区，中国数学会应用数学类T3期刊)

10. Jingjing Fan*, **Bing Tan**, Songxiao Li. An explicit extragradient algorithm for equilibrium problems on Hadamard manifolds. *Computational and Applied Mathematics*. 2021, 40(2), Article ID 68. (SCI，EI，中科院四区)

11. Jingjing Fan, Xiaolong Qin*, **Bing Tan**. Convergence of an inertial shadow Douglas-Rachford splitting algorithm for monotone inclusions. *Numerical Functional Analysis and Optimization*. 2021, 42(14), 1627–1644. (SCI，EI，中科院四区)

12. Liya Liu, **Bing Tan**, Sun Young Cho*. On the resolution of variational inequality problems with a double-hierarchical structure. *Journal of Nonlinear and Convex Analysis*. 2020, 21(2), 377–386. (SCI，中科院四区)

13. Zheng Zhou*, **Bing Tan**, Songxiao Li. A new accelerated self-adaptive stepsize algorithm with excellent stability for split common fixed point problems. *Computational and Applied Mathematics*. 2020, 39(3), Article ID 220. (SCI，EI，中科院四区)

14. Zheng Zhou*, **Bing Tan**, Songxiao Li. An inertial shrinking projection algorithm for split common fixed point problems. *Journal of Applied Analysis and Computation*. 2020, 10(5), 2104–2120. (SCI，中科院四区，中国数学会应用数学类T3期刊)

15. Yinglin Luo, Meijuan Shang*, **Bing Tan**. A general inertial viscosity type method for nonexpansive mappings and its applications in signal processing. *Mathematics*. 2020, 8(2), Article ID 288. (SCI，中科院四区)

参加会议

2022.06　2022 West Coast Optimization Meeting (WCOM)， UBC Okanagan，加拿大
2021.07　第八届现代分析数学及其应用国际学术会议，甘肃兰州
2020.10　中国运筹学会第十一次全国会员代表大会暨第十五次学术交流会，安徽合肥
2019.06　电子科技大学基础与前沿研究院五周年院士高峰论坛，四川成都
2019.04　中国运筹学会第十二届全国数学优化会议，江苏南京

荣誉奖励

2022.11　2022年博士研究生国家奖学金、一等学业奖学金
2021.11　2021年博士研究生国家奖学金、一等学业奖学金
2021.05　电子科技大学2021年博士研究生学术新秀 (5%)
2019.11　电子科技大学一等学业奖学金
2019.09　电子科技大学优秀研究生干部、电子科技大学基础院优秀共产党员
2018.09　电子科技大学二等学业奖学金
2018.06　西南石油大学优秀毕业生、优秀毕业论文
2017.06　第五届"泰迪杯" 全国数据挖掘挑战赛全国一等奖及 MATLAB 创新奖 (全国仅两项)
2017.12　全国大学生数学建模竞赛本科组全国一等奖 (1%)
2017.04　美国大学生数学建模竞赛 (MCM/ICM) 一等奖
2015.12　全国大学生数学建模竞赛本科组全国二等奖 (6%)

学生工作

2018.09–2019.09　**电子科技大学**, 基础院研究生第三党支部书记、基础与前沿研究院研究生会主席.
2016.09–2017.09　**西南石油大学**, 理学院学生会主席、数理协会会长.

更新于2023年03月15日