

# List of publications et prepublications

Xiaojun WU

August 13, 2025

1. **Xiaojun WU**. (2018). On the hard Lefschetz theorem for pseudoeffective line bundles. arXiv:1911.13253v3. International Journal of Mathematics, Vol. 32, No. 06, 2150035 (2021).
2. **Xiaojun WU**. (2019). Intersection theory and Chern classes in Bott-Chern cohomology. arXiv:2011.13759. Ark. Mat., 61 (2023), 211–265.
3. **Xiaojun WU**. (2019). Remarks on nefness in higher codimension. arXiv: 2011.14896. Bulletin de la Société Mathématique de France, 150 (1), 2022, p. 209-249.
4. **Xiaojun WU**. (2020). Pseudo-effective and numerically flat reflexive sheaves. arXiv:2004.14676v2. The Journal of Geometric Analysis. volume 32, Article number: 124 (2022).
5. **Xiaojun WU**. (2021). Note on compact Kähler manifold with strongly pseudo-effective tangent bundle. arXiv:2110.02931.
6. **Xiaojun WU**. (2022). Note on holomorphic Morse inequalities tensoring with a coherent sheaf, arXiv:2209.00544. Pure and Applied Mathematics Quarterly Volume 21, Number 4, 1469–1489, 2025.
7. **Xiaojun WU**. (2022). Note on asymptotic behaviour of the canonical ring. arXiv:2209.02759. Comptes Rendus Mathématiques. Volume 362 (2024), p. 1389-1397.
8. **Xiaojun WU**. (2023). Albanese morphism of log smooth klt compact Kähler manifold with nef log anticanonical divisor, arXiv:2301.05194.
9. Shin-ichi Matsumura, **Xiaojun WU**. (2023). Compact Kähler 3-folds with nef anti-canonical bundle, arXiv:2304.03163, Mathematische Annalen, Volume 391, pages 1253–1289, (2025).
10. **Xiaojun WU**. (2023). On compact Kähler orbifold, arXiv:2302.11914.
11. Junyan Cao, Patrick Graf, Philipp Naumann, Mihai Paun, Thomas Peternell, **Xiaojun WU**. (2023). Hermite-Einstein metrics in singular settings, arXiv:2303.08773. accepted by Asian J. Math.
12. Philipp Naumann, **Xiaojun WU**. (2023). Albanese map for Kähler manifolds with nef anti-canonical bundle, arXiv:2310.06695. Math. Z. 311, 25 (2025).
13. Laurent Stolz, **Xiaojun WU**. (2024). Ueda foliation problem for complex tori. arXiv:2403.17682.
14. Song Yang, Xiangdong Yang, **Xiaojun WU**. Bott-Chern characteristic classes of blow-ups, arXiv:2408.03210.
15. **Xiaojun WU**. Generalised Lelong-Poincaré formula in complex Bott-Chern cohomology, arXiv:2410.01634.
16. Shin-ichi Matsumura, Juanyong Wang, **Xiaojun WU**, Qimin Zhang. Compact Kähler manifolds with nef anti-canonical bundle, arXiv:2506.23218.