

• **Journal Publication**

1. **Zheng Hua** and Alexander Polishchuk
Shifted Poisson geometry and meromorphic matrix algebras over an elliptic curve
arXiv:1712.01659 (2017), submitted to *Selecta Mathematica, New series*
2. **Zheng Hua** and Alexander Polishchuk
Shifted Poisson structures and moduli spaces of complexes
Advances in Mathematics, Volume 338 (2018), 991-1037.
3. **Zheng Hua**
Contraction algebra and singularity of three-dimensional flopping contraction
Mathematische Zeitschrift (2018): 431-443.
4. **Zheng Hua** and Yukinobu Toda
Contraction algebra and invariants of singularities
International Mathematics Research Notices no. 10 (2018), 3173-3198.
5. **Zheng Hua**
Chern-Simons functions on toric Calabi-Yau threefolds and Donaldson-Thomas theory
Pacific Journal of Mathematics 277-1 (2015), 119-147.
6. Duiliu-Emanuel Diaconescu, **Zheng Hua**, and Yan Soibelman
HOMFLY polynomials, stable pairs and motivic Donaldson-Thomas invariants
Communications in Number Theory and Physics, Volume 6, Number 3, 517-600, 2012.
7. **Zheng Hua**
Classification of free actions on complete intersections of four quadrics
Advances in Theoretical and Mathematical Physics, 15, no. 4 (2011) 973-990.
8. Lev Borisov and **Zheng Hua**
On the conjecture of King for smooth toric Deligne-Mumford stacks
Advances in Mathematics, Volume 221, Issue 1, 1 May 2009, 277-301.
9. Lev Borisov and **Zheng Hua**
On Calabi-Yau Threefolds with large nonabelian fundamental Groups
Proceedings of American Mathematical Society, 136 (2008), 1549-1551.

• **Conference Proceedings**

10. **Zheng Hua**
On the Grothendieck groups of toric stack
Proceedings in East Asia Algebraic Geometry conference 2016
Taiwanese Journal of Mathematics 21.3 (2017), 665-670.

- **Preprint**

11. **Zheng Hua** and Gui-Song Zhou

Non-commutative Mather-Yau theorem and its applications to Calabi-Yau algebras and birational geometry

arXiv:1803.06128 (2018).

12. **Zheng Hua** and Gui-Song Zhou

Quasi-homogeneity of superpotentials

arXiv:1808.03754 (2018).

13. **Zheng Hua** and Bernhard Keller

Cluster categories and rational curves

arXiv:1810.00749 (2018).