1. On the cohomology of the Bridgeland differential
(with Dima Arinkin), in preparation

2. An HKR decomposition for Azumaya orbifolds,
(with Dima Arinkin), in preparation

3. Higher genus categorical Gromov-Witten invariants
(with Junwu Tu), submitted, (arXiv:1706.09912), 44pp

4. On intersections of two Grassmannians in $P^9$

5. GLSM realizations of maps and intersections of Grassmannians and Pfaffians

6. Formality of derived intersections and the orbifold HKR isomorphism

7. The Hodge theorem as a derived self-intersection
(with Dima Arinkin and Márton Hablicsek)
Algebraic Geometry 4 (2017), 394-423

8. On the Lie algebroid of a derived self-intersection
(with Damien Calaque and Junwu Tu), Adv. in Math. 262 (2014), 751-783

9. Curved A-infinity algebras and Landau-Ginzburg models
(with Junwu Tu), New York J. Math. 19 (2013), 305-342

10. PBW for an inclusion of Lie algebras
(with Damien Calaque and Junwu Tu), J. Algebra 378 (2013), 64-79

11. When is the self-intersection of a subvariety a fibration?
(with Dima Arinkin), Adv. in Math., 231 (2012), no. 2, 815-842

12. Non-birational twisted derived equivalences in abelian GLSMs
(with Jacques Distler, Simeon Hellerman, Tony Pantev and Eric Sharpe)
Communications in Mathematical Physics 294 (2010), no. 3, 605-645

13. The Mukai pairing, I: a categorical approach
(with Simon Willerton), New York J. of Math., no. 16 (2010), 61-98

14. The Pfaffian-Grassmannian derived equivalence
(with Lev Borisov), J. Algebraic Geom. 18 (2009) 201-222

15. Non-birational Calabi-Yau threefolds that are derived equivalent
Internat. J. Math. 18 (2007), No. 5, 491-504

16. Derived categories: a skimming
Snowbird Lectures in Algebraic Geometry, Contemporary Mathematics no. 388 (2005), 43-75
17. The Mukai pairing, II: the Hochschild-Kostant-Rosenberg isomorphism  
Adv. in Math., 194 (2005), no. 1, 34-66

18. The Mukai pairing, I: the Hochschild structure  
preprint math.AG/0308079, superseded by paper 12. above

19. Algebraic deformations arising from orbifolds with discrete torsion  
(with Anthony Giaquinto, Sarah Witherspoon)  

20. D-Branes, B-fields, and Ext groups  

21. Fiberwise stable bundles on elliptic fibrations with relative Picard number one  

22. Non-fine moduli spaces of sheaves on K3 surfaces  

23. Derived categories of twisted sheaves on elliptic threefolds  

24. Derived categories of twisted sheaves on Calabi-Yau manifolds  

---

**Publications of My Ph.D. Students, Written Under My Supervision**


2. Nicolas Addington, The derived category of the intersection of four quadrics, arXiv:0904.1764