

**Списък на публикациите по дисертацията**  
**„Symplectic Topology, Non-commutative Geometry, and Mirror Symmetry“**  
**представена от проф. Людмил Кацарков**  
**за получаване на научната степен „доктор на науките“**

1. Auroux, D., Donaldson, S.K., **Katzarkov, L.**, Yotov, M., *Fundamental groups of complements of plane curves and symplectic invariants*, (2004) *Topology*, 43 (6), pp. 1285–1318, DOI:10.1016/j.top.2004.01.006, Web of Science IF (2004): **0.727, Q1**

Cited 22 times.

2. Auroux, D., Donaldson S.K., **Katzarkov, L.**, *Singular Lefschetz pencils*, (2005) *Geometry & Topology*, 9, pp. 1043-1114, DOI:10.2140/gt.2005.9.1043, Web of Science IF (2005): **1.275, Q1**

Cited 49 times.

3. Auroux, D., **Katzarkov, L.**, Orlov, D., *Mirror symmetry for Del Pezzo surfaces: Vanishing cycles and coherent sheaves*, (2006) *Inventiones Mathematicae*, 166 (3), pp. 537-582. DOI: 10.1007/s00222-006-0003-4, Web of Science IF (2008): **1.659, Q1**

Cited 73 times.

4. **Katzarkov, L.**, Kontsevich, M., Pantev, T., *Hodge theoretic aspects of mirror symmetry*, *Proceedings of Symposia in Pure Mathematics*, 78, American Mathematical Society, Providence, RI, 2008, 87–174. DOI: 10.1090/pspum/078/2483750, Web of Science

Cited 132 times.

5. Auroux, D., **Katzarkov, L.**, Orlov, D., *Mirror symmetry for weighted projective planes and their noncommutative deformations*, (2008) *Annals of Mathematics*, 167 (3), pp. 867-943. DOI: 10.4007/annals.2008.167.867, Web of Science IF (2008): **3.447, Q1**

Cited 81 times.

6. Kapustin, A., **Katzarkov, L.**, Orlov, D., Yotov, M., *Homological Mirror Symmetry for manifolds of general type*, (2009) Central European Journal of Mathematics, 7 (4), pp. 571-605. DOI: 10.2478/s11533-009-0056-x, Web of Science IF (2009): **0.361, Q4**

Cited 22 times.

7. Ballard, M., Favero, D., **Katzarkov, L.**, *Orlov spectra: Bounds and gaps*, (2012) Inventiones Mathematicae, 189 (2), pp. 359-430. DOI: 10.1007/s00222-011-0367-y, Web of Science IF (2012): **2.259, Q1**

Cited 30 times.

8. Abouzaid, M., Auroux, D., Efimov, A.I., **Katzarkov, L.**, Orlov, D., *Homological mirror symmetry for punctured spheres*, (2013) Journal of the American Mathematical Society, 26 (4), pp. 1051-1083. DOI: 10.1090/S0894-0347-2013-00770-5, Web of Science IF (2013): **3.061, Q1**

Cited 27 times.

9. Abouzaid, M., Auroux, D., **Katzarkov, L.**, *Lagrangian fibrations on blowups of toric varieties and mirror symmetry for hypersurfaces*, (2016) Publications Mathématiques de l'Institut des Hautes Etudes Scientifiques, 123 (1), pp. 199-282. DOI: 10.1007/s10240-016-0081-9, Web of Science IF (2016): **3.182, Q1**

Cited 39 times.

10. **Katzarkov, L.**, Lee, K.S., Svoboda, J., Petkov, A., *Interpretations of Spectra*, In: Birational Geometry, Kähler-Einstein Metrics and Degenerations, Springer Proceedings in Mathematics and Statistics, 2023, 409, pp. 371–407, DOI: 10.1007/978-3-031-17859-7\_20, Scopus SJR (2022): **0.181**

Cited 0 times.