List of Publications

Eugene Gorsky

Publications

1. (with A. Neguț) Infinitesimal change of stable basis.
   Selecta Mathematica, New Series. DOI: 10.1007/s00029-017-0327-5
2. (with J. Hom) Cable links and L-space surgeries.
   To appear in Quantum Topology.
3. (with M. Mazin) Rational Parking Functions and LLT Polynomials.
   Journal of Combinatorial Theory, Series A, 140 (2016), 123-140.
4. (with M. Mazin and M. Vazirani) Affine permutations and rational slope parking functions.
   Trans. Amer. Math. Soc. 368 (2016), 8403-8445.
5. (with A. Némethi) Links of plane curve singularities are L-space links.
   Algebraic and Geometric Topology 16 (2016) 1905-1912.
6. (with A. Némethi) Lattice and Heegaard–Floer homologies of algebraic links.
   Int. Math. Res. Not. IMRN 2015, no. 23, 12737–12780.
7. (with P. Etingof and I. Losev) Representations of Rational Cherednik algebras with minimal support and torus knots. Advances in Mathematics **277** (2015), 124-180.
8. (with A. Neguț) Refined knot invariants and Hilbert schemes.
   Journal de Mathématiques Pures and Appliquées 104 (2015), 403-435.
9. (with L. Lewark) On stable sl_3-homology of torus knots.
   Experimental Mathematics **24** (2015), 162–174.
10. (with A. Oblomkov, J. Rasmussen and V. Shende) Torus knots and the rational DAHA.
    Duke Math. J. **163** (2014), no. 14, 2709–2794.
11. The equivariant Euler characteristic of moduli spaces of curves.
    Advances in Mathematics **250** (2014), 588–595.
12. (with M. Mazin) Compactified Jacobians and q,t-Catalan numbers, II.
    Journal of Algebraic Combinatorics, **39** (2014), no. 1, 153–186.
13. (with A. Oblomkov and J. Rasmussen) On stable Khovanov homology of torus knots.
    Experimental Mathematics, **22** (2013), 265–281.
14. Arc spaces and DAHA representations.
    Selecta Mathematica, New Series, **19** (2013), no. 1, 125–140.
15. (with M. Mazin) Compactified Jacobians and q,t-Catalan Numbers, I.
    Journal of Combinatorial Theory, Series A, **120** (2013) 49–63.
16. q,t-Catalan numbers and knot homology. Zeta Functions in Algebra and Geometry, 213–232. Contemp. Math. **566** , Amer. Math. Soc., Providence, RI, 2012.
17. Combinatorial computation of the motivic Poincare series.
    Journal of Singularities, **3** (2011), 48–82

18. Adams Operations and Power Structures.
    Moscow Mathematical Journal, **9** (2009), no. 2, 305–323.
19. On the S_n-equivariant Euler characteristic of moduli spaces of hyperelliptic curves.
    Mathematical Research Letters, **16** (2009), no. 4, pp. 591–603.
20. Symmetries of some motivic integrals.
    Russian Mathematical Surveys, **63** (2008), no. 4 (382), 179–180.
21. On the motivic measure on the space of functions.
    Revista Matematica Complutense, **20** (2007), no. 2, 507–521.
22. Motivic integration and functional equations. Algebra and Analysis
    (Journal of the St. Petersburg Mathematical Society), **19** (2007), no. 4, 92–112.
23. On divisorial filtrations on sheaves.
    Mathematical notes, **79** (2006), no. 6, 825–837.
24. (with V. Gurovits, I. Mezhirov and E. Osmova). The Richman game.
    Matematicheskoe prosveshenie, **3** (2001), no. 5, 78–191.

Preprints

1. (with S. M. Gusein-Zade) Homological indices of collections of 1-forms.
   arXiv:1704.08641
2. (with M. Mazin and M. Vazirani) Rational Dyck Paths in the Non Relatively Prime
   Case.
   arXiv:1703.02668
3. (with A. Neguț and J. Rasmussen) Flag Hilbert schemes, colored projectors and
   Khovanov–Rozansky homology. arXiv:1608.07308
4. (with M. Borodzik) Immersed concordances of links and Heegaard Floer homology.
   arXiv:1601.07507
5. (with A. Némethi) On the set of L-space surgeries for links. arXiv:1509.01170
6. (with S. Gukov and M. Stošić) Quadruply-graded colored homology of knots.
   arXiv: 1304.3481
7. Combinatorics of HOMFLY homology. Appendix to "The Hilbert scheme of
   a plane curve singularity and the HOMFLY homology of its link" by
   A. Oblomkov, J. Rasmussen and V. Shende. arXiv: 1201.2115
8. (with M. Gorsky) Distinguished bases for A_n root systems and parking functions.
   arXiv: 1112.0381
9. Seifert cohomology of trees. arXiv: 0901.1298
10. On the S_n-equivariant Euler characteristic of $\mathcal{M}_{2,n}$. arXiv: 0707.2662