Pavel I. Etingof
Publications[1]

1. Integrability of the problem of filtration with a moving boundary, Soviet Phys. Doklady, v. 35 (1990).

2. (with V.M.Entov) Bubble contraction in Hele-Shaw cells, Quart. J. Mech. Appl. Math., v. 44 (1991), p. 507-535.

3. Inverse problems in potential theory and flows in porous media with time-dependent free boundary, Comp. Math. Appl., v. 22 (1991), p. 93-99.

4. (with V.M.Entov and D.Ya.Kleinbock) Hele-Shaw flows ++ produced by multipoles (1990), Europ. J. Appl. Math., v.4(2), p. 97-120, 1993.

5. (with V.M.Entov) Viscous flows with time-dependent free boundaries in a non-planar Hele-Shaw cell, European Journal of Appl. Math., v.8, p. 23-35, 1997.

6. (with V.M.Entov and D.Ya.Kleinbock) On nonlinear interface dynamics in Hele-Shaw flows, Europ. J. Appl. Math., v.6(5), p.399-420, 1995.

7. (with V.M.Entov) Some exact solutions of the thin-sheet stamping problem, Fluid dynamics 27(2), 1992, p. 169-176.

8•. (with A.N.Varchenko) Why the boundary of a round drop becomes a curve of order four, AMS, Providence, 1992.

9. (with I.B.Frenkel) Central extensions of current groups in two dimensions, hep-th 9303066, Comm. Math. Phys., v. 165,pp. 429-444, 1994.

10. Quantum Knizhnik-Zamolodchikov equations and holomorphic vector bundles, Duke Math. J., v. 70(3), 1993, pp. 591-615.

11. Representations of affine Lie algebras, elliptic r-matrix systems, and special functions, hep-th 9303018, Comm. Math. Phys., v. 159,pp. 471-502, 1994.

12. Difference equations with elliptic coefficients and quantum affine algebras, 1993, hep-th 9312057 (not published).

13. (with A.A.Kirillov Jr.) Representations of affine Lie algebras, parabolic differential equations, and Lame functions (hep-th 9310083), Duke Math. J., v. 74, No. 3, pp. 585-614, 1994.

14. Quantum integrable systems and representations of Lie algebras, hep-th 9311132, Jour. Math. Phys. 36(6), p. 2636-2651, 1995.

15•. (with I.B.Frenkel and A.A.Kirillov Jr.) Lectures on representation theory and Knizhnik-Zamolodchikov equations (a textbook), AMS, 1998.

16. (with B.A.Khesin) Affine Gelfand-Dickey brackets and holomorphic vector bundles, hep-th 9312123, GAFA, v. 4. N. 4, 1994, p. 399-423.

17. (with A.A.Kirillov Jr.) A unified representation-theoretic approach to special functions, 1993, hep-th 9312101, Funct. Anal. Appl., v. 28, No. 1, 1994.

18. (with A.A.Kirillov Jr.) Macdonald's polynomials and representations of quantum groups, hep-th 9312103, Math. Res. Letters, v. 1, p. 279-296, 1994.

19. (with J.Ding) Center of a quantum affine algebra at the critical level, hep-th 9403064, Math. Res. Letters, v. 1, pp. 469-480, 1994.

20. (with K.Styrkas) Algebraic integrability of Schrödinger operators and representations of Lie algebras, hep-th 9403135, Comp. Math., v. 98, No. 1, p. 91-112, 1995.

21. (with A.Kirillov Jr) On affine analogue of Jack and Macdonald polynomials, hep-th 9403168, Duke Math. J., v. 78, No. 2, pp. 229-256, 1995.

---

[1]Books are marked with •.

22. Integral formulas for wave functions of quantum many-body problems and representations of gl(n), hep-th 9405038, J.Math. Phys. v.36(4), p.1645-1651, 1995.

23. (with I.Frenkel and A.Kirillov Jr.) Spherical functions on affine Lie groups, 1994, hep-th 9407047, Duke Math. J., v.80(1), p. 59-90, 1995.

24. (with M.Khovanov) Representations of tensor categories and Dynkin diagrams, hep-th 9408078, IMRN, No. 5, pp. 235-248, 1995.

25. (with A.Kirillov Jr) Representation-theoretic proof of Macdonald inner product and symmetry identities, Comp. Math., v.102(2), p.179-202, 1996.

26. On spectral theory of quantum vertex operators, hep-th 9410208, 1994; in "Particles and fields" proceedings of the Banff conference, August 1994, Semenoff and Vinet, editors, Springer, New York, 1998.

27. Central elements for quantum affine algebras and affine Macdonald's operators, Math. Res. Letters v.2(5), pp.611-628, 1995.

28. Galois groups and connection matrices for difference equations, Electronic research announcements, v.1(1), p. 1-9, 1995.

29. (with D.Kazhdan) Quantization of Lie bialgebras, I, q-alg 9506005, Selecta Math. 2(1), p.1-41, 1996.

30. (with D.Kazhdan) Quantization of Poisson algebraic groups and Poisson homogeneous spaces, q-alg 9510020, in: "Quantum Symmetries", proceedings of the Les Houches session LXIV, August-September 1995, A. Connes et al. (editors), Elsevier, 1998.

31. (with K.Styrkas) Algebraic integrability of Macdonald operators and representations of quantum groups, q-alg 9603022, Compositio Math., v.114(1998), p.125-152.

32. (with A.Braverman and D.Gaitsgory) Differential Galois groups and algebraic integrability of quantum integrable systems, alg-geom 9607012, Transf. groups. v.2(1), p. 31-56, 1997.

33. (with D.Kazhdan) Quantization of Lie bialgebras, II, q-alg 9701038, Selecta Math., v.4(1998), p.213-231.

34. (with D.Kazhdan) Quantization of Lie bialgebras, III, q-alg 9610030, Selecta Math. , v.4(1998), p.233-269.

35. (with A.Varchenko) Geometry and classification of solutions of the classical dynamical Yang-Baxter equation, q-alg 9703040, CMP, vol. 192, p. 77-120, 1998.

36. (with A.Varchenko) Solutions of the quantum dynamical Yang-Baxter equation and dynamical quantum groups, q-alg/9708015, CMP, v.196, p.591-640.

37. (with I.Gelfand and V.Retakh) Factorization of differential operators, quasideterminants, and nonabelian Toda field equations, q-alg/9701008, Math.Res. Let., v.4(2-3), p. 413-425, 1997.

38. (with I.Gelfand and V.Retakh) Nonabelian Integrable Systems, Quasideterminants, and Marchenko Lemma, q-alg/9707017, Math.Res. Lett., v.5, p. 1-12.

39. (with T.Schedler and A.Soloviev) On set-theoretical solutions of the quantum Yang-Baxter equation, 1997, q-alg 9801047, Duke Math.J., v. 100, issue 2, p.169-209, 1999.

40•. (with O.Schiffmann) Lectures on quantum groups (textbook), International Press, 1998.

41. (with S.Gelaki) Some properties of finite dimensional semisimple Hopf algebras, q-alg 9712033, 1997, Math.Res. Lett., v.5, p.191-197,1998.

42. (with S.Gelaki) Semisimple Hopf algebras of dimension pq are trivial, 1997, J.of Algebra, v.210(1998), issue 2, p.664-669.

43. (with A.Kirillov, Jr.) On Cherednik-Macdonald-Mehta identities, q-alg 9712051, Electr.Res.An., v.4(1998),p.43-47.

44. (with D.Kazhdan) Quantization of Lie bialgebras, IV, q-alg 9801043, Selecta. Math. 6 (2000), no. 1, 79-104.

45. (with A.Varchenko) Exchange dynamical quantum groups, q-alg 9801135, CMP, v. 205, p.19-52, 1999.

46. (with O.Schiffmann) A link between two elliptic quantum groups, q-alg, Asian Journal of Math., v.2(1998), p.345-354.

47. (with S.Gelaki) On finite dimensional semisimple and cosemisimple Hopf algebras in positive characteristic, math.QA 9805106, IMRN, v.16(1998), p.851-864.

48. (with S.Gelaki) A method of constructing triangular semisimple Hopf algebras, math.QA 9806072, MRL, vol 5(4), 1998, p. 551-561.

49. (with D.Kazhdan) Quantization of Lie bialgebras, V, math.QA 9808121, Selecta Math. 6 (2000), no. 1, 105-130.

50. (with V.Retakh) Quantum determinants and quasideterminants, math.QA 9808065, Asian J. Math., 3 (2) (1999), pp. 345352.

51. (with O.Schiffmann) On highest weight modules over elliptic quantum groups, math.QA 9809161, Lett.Math.Phys., v.47(1999), issue 7, p.387-394.

52•. (with P.Deligne, D.Freed, L.Jeffrey, D.Kazhdan, J.Morgan, D.Morrison, and E.Witten) Quantum fields and strings: a course for mathematicians, (proceedings of the special year in the IAS in 1996/97), AMS, Providence, 1999.

53. (with A.Soloviev) Quantization of geometric classical r-matrices, math.QA 9811001, MRL, v.6, p.223-228, 1999.

54. (with S.Gelaki) Representation theory of cotriangular semisimple Hopf algebras, math.QA 9812118, IMRN. v.7, p.387-394, 1999.

55. (with S.Gelaki) On the exponent of finite dimensional Hopf algebras, math.QA 9812151, MRL, vol.6, p.131-140, 1999.

56. Whittaker functions on quantum groups and q-deformed Toda operators, math.QA 9901053, Fuchs 60-th birthday volume, AMS, 1999.

57. (with S.Gelaki) Classification of triangular semisimple and cosemisimple Hopf algebras over an algebraically closed field, math.QA 9905168, IMRN 5 (2000), 223-234.

58. (with A.Varchenko) Traces of intertwiners for quantum groups and difference equations, I, math.QA 9907181, Duke Math. J. 104 (2000), no. 3, 391-432

59. (with O.Schiffmann) Lectures on the dynamical Yang-Baxter equations, math.QA 9908064, London Math. Soc. Lecture notes, 290 (2001) 89-129.

60. (with O.Schiffmann) Twisted traces of intertwiners for Kac-Moody algebras and classical dynamical r-matrices corresponding to generalized Belavin-Drinfeld triples, math.QA 9808115, to appear in MRL.

61. (with D.Kazhdan and A.Polishchuk) When is the Fourier transform of an elementary function elementary? Selecta Mathematica 8(1):27-66 April 2002, math.AG/0003009.

62. (with T.Schedler and O.Schiffmann) Explicit quantization of dynamical r-matrices for semisimple Lie algebras, math.QA/9912009, JAMS, 1999, Volume 13, Number 3, Pages 595-609.

63. (with S.Gelaki, R.Guralnick, J.Saxl) Biperfect Hopf algebras, math.QA 9912068, accepted to J.Alg., 1999.

64. (with S.Gelaki) On cotriangular Hopf algebras, math.QA 0002128, submitted to Amer. J. Math, 2000.

65. (with V.Ginzburg) Symplectic reflection algebras, Calogero-Moser systems, and a deformed Harish-Chandra isomorphism, Inventiones Math, vol. 147, (2002), p. 243-348.

66. (with O.Schiffmann), Twisted traces of quantum intertwiners and quantum dynamical R-matrices corresponding to Belavin-Drinfeld triples, math.QA 0003109, submitted to CMP, 2000.

67. (with D.Nikshych), Dynamical quantum groups at roots of unity, math.QA 0003221, submitted to Duke, 2000.

68. (with D.Kazhdan) Quantization of Lie bialgebras, VI: Quantization of generalized Kac-Moody algebras, math.QA, Transformation groups, Kostant 80-th birthday volume, accepted.

69. (with Robert Guralnick, Alexander Soloviev) Indecomposable set-theoretical solutions to the Quantum Yang-Baxter Equation on a set with prime number of elements Journal of algebra, vol. 242, (2001), p. 709-719.

70. (with O.Schiffmann) On the moduli space of classical dynamical r-matrices, math.QA, MRL.

71. (with S.Gelaki) Isocategorical groups, IMRN, vol. 2, (2001), p. 59-76.

72. (with Nicolas Andruskiewitsch and Shlomo Gelaki) Triangular Hopf algebras with the Chevalley property, Michigan Math. J., vol. 49, (2001), p. 277-298.

73. (with A.Varchenko) Dynamical Weyl groups and applications, Advances in Mathematics, 2002, vol. 167, no. 1, pp. 74-127.

74. (with D.Nikshych) Dynamical twists in group algebras, IMRN, vol. 13, (2001), p. 679-701.

75. (with S.Gelaki) Classification of Finite-Dimensional Triangular Hopf Algebras With The Chevalley Property, MRL, vol. 8, (2001), p. 249-255.

76. (with D.Nikshych) Vertex-IRF transformations and quantization of dynamical r-matrices, MRL, vol. 8, (2001), p. 331-345.

77. (with V.Ginzburg) On m-quasiinvariants of Coxeter groups. math, MMJ, Mosc. Math. J. 2 (2002), no. 3, 555–566.

78. (with E.Aljadeff, S.Gelaki and D.Nikshych) Twisting in finite dimensional Hopf algebras. J. Algebra 256 (2002), no. 2, 484–501.

79. (with Yu. Berest and V.Ginzburg), Cherednik algebras and differential operators on quasi-invariants, math.QA/0111005, Duke Math. J. 118 (2003), no. 2, 279–337.

80. (with S.Gelaki) On the quasi-exponent of finite-dimensional Hopf algebras. math.QA/0109196, Math. Res. Lett. 9 (2002), no. 2-3, 277–287.

81. (with S.Gelaki) On families of triangular Hopf algebras, math.QA/0110043, Int. Math. Res. Not. 2002, no. 14, 757–768.

82. Geometric crystals and set-theoretical solutions to the quantum Yang-Baxter equation, math.QA/0112278, Comm. Algebra 31 (2003), no. 4, 1961–1973.

83. (with M.Grana), On rack cohomology, math.QA/0201290, J. Pure Appl. Algebra 177 (2003), no. 1, 49–59.

84. (with S.Gelaki) The classification of finite-dimensional triangular Hopf algebras over an algebraically closed field of characteristic 0, math.QA/0202258, Mosc. Math. J. 3 (2003), no. 1, 37–43.

85. (with A.Moura) On the quantum Kazhdan-Lusztig functor, math.QA/0203003, Math. Res. Lett. 9 (2002), no. 4, 449–463.

86. (with D.Nikshych and V.Ostrik) On fusion categories, math.QA/0203060, Ann. of Math. (2) 162 (2005), no. 2, 581–642.

87. with E.Strickland, Lectures on quasi-invariants of Coxeter groups and the Cherednik algebra, math.QA/0204104, Enseign. Math. (2) 49 (2003), no. 1-2, 35–65.

88. (with A.Moura), Elliptic Central Characters and Blocks of Finite Dimensional Representations of Quantum Affine Algebras, math.QA/0204302, Represent. Theory 7 (2003), 346–373 (electronic).

89. On Vafa's theorem for tensor categories, math.QA/0207007, Math. Res. Lett. 9 (2002), no. 5-6, 651–657.

90. On the dynamical Yang-Baxter equation, math.QA/0207008, Proceedings of the International Congress of Mathematicians, Vol. II (Beijing, 2002), 555–570.

91. (with O.Schiffmann and A. Varchenko), Traces of intertwiners for quantum groups and difference equations, II, math.QA/0207157, Lett. Math. Phys. 62 (2002), no. 2, 143–158.

92. (with Yu.Berest and V.Ginzburg) Morita Equivalence of Cherednik Algebras of Type A, math.QA/0207295, J. Reine Angew. Math. 568 (2004), 81–98.

93. (with Yuri Berest and Victor Ginzburg) Finite dimensional representations of rational Cherednik algebras, math.RT/0208138, Int. Math. Res. Not. 2003, no. 19, 1053–1088.

94. (with Oleg Chalykh and Alexei Oblomkov) Generalized Lame operators, math.QA/0212029, CMP, Comm. Math. Phys. 239 (2003), no. 1-2, 115–153.

95. (with M. Grana) Quantization of non-unitary geometric classical r-matrices, math.QA/0212183, Math. Res. Lett. 12 (2005), no. 2-3, 141–153.

96. (with V. Ostrik) Finite tensor categories, math.QA/0301027, Mosc. Math. J. 4 (2004), no. 3, 627–654, 782–783.

97. (with B. Enriquez) Quantization of Alekseev-Meinrenken dynamical r-matrices math.QA/0302067, Lie groups and symmetric spaces, 81–98, Amer. Math. Soc. Transl. Ser. 2, 210, Amer. Math. Soc., Providence, RI, 2003.

98. (with A.Varchenko), The orthogonality and qKZB-heat equation for traces of $U_q(g)$-intertwiners, math.QA/0302071, Duke Math. J. 128 (2005), no. 1, 83–117.

99. (with V.Ostrik) Module categories over representations of $SL_q(2)$ and graphs, math.QA/0302130, Math. Res. Lett. 11 (2004), no. 1, 103–114.

100. (with T. Chmutova), On some representations of the rational Cherednik algebra math.RT/0303194, Represent. Theory 7 (2003), 641–650 (electronic).

101. (with S. Gelaki), On Hopf algebras of dimension pq, math.QA/0303359, J. Algebra 277 (2004), no. 2, 668–674.

102. (with S. Gelaki and V. Ostrik), Classification of fusion categories of dimension pq, IMRN 2004:57 (2004) 3041-3056.

103. (with V. Kac) On the Cachazo-Douglas-Seiberg-Witten conjecture for simple Lie algebras, math.QA/0305175.

104. (with B. Enriquez) On the invertibility of quantization functors, math.QA/0306212, J. Algebra 289 (2005), no. 2, 321–345.

105. (with S. Gelaki) Finite dimensional quasi-Hopf algebras with radical of codimension 2, math.QA/0310253, Math. Res. Lett. 11 (2004), no. 5-6, 685–696.

106. (with A. Oblomkov) Quantization, orbifold cohomology, and Cherednik algebras, math.QA/0311005, Macdonald 75th birthday volume.

107. (with B. Enriquez) Quantization of classical dynamical r-matrices with nonabelian base, math.QA/0311224, Comm. Math. Phys. 254 (2005), no. 3, 603–650.

108. On the Cachazo-Douglas-Seiberg-Witten conjecture for simple Lie algebras, II, math.RT/0312452.

109. (with D. Calaque), Lectures on tensor categories, math.QA/0401246, Strasbourg Univ. proceedings.

110. (with B. Enriquez and I. Marshall) Quantization of some Poisson-Lie dynamical r-matrices and Poisson homogeneous spaces, math.QA/0403283, Donin memorial volume.

111. (with S. Montarani) Finite dimensional representations of symplectic reflection algebras associated to wreath products, math.RT/0403250, Represent. Theory 9 (2005), 457–467.

112. (with D. Nikshych and V. Ostrik), An analogue of Radford's S^4 formula for finite tensor categories, math.QA/0404504, IMRN 2004:54 (2004) 2915-2933.

113. (with A. Oblomkov and E. Rains) Generalized double affine Hecke algebras of rank 1 and quantized Del Pezzo surfaces, math.QA/0406480, Advances in Math. Volume 212, Issue 2, 2007, Pages 749-796.

114. Cherednik and Hecke algebras of varieties with a finite group action, submitted to JAMS. math.QA/0406499.

115. Casimirs of the Goldman Lie algebra of a closed surface, math.QA/0407505, IMRN.

116. (with E. Rains) New deformations of group algebras of Coxeter groups, math.QA/0409261, Int. Math. Res. Not. 2005, no. 10, 635–646.

117. (with A. Braverman) Instanton counting via affine Lie algebras II: from Whittaker vectors to the Seiberg-Witten prepotential, math.AG/0409441, to appear in A. Joseph 60th birthday volume.

118• (with F. Latour) The dynamical Yang-Baxter equation, representation theory, and quantum integrable systems, Oxford University Press, 2005.

119. (with S. Gelaki), On radically graded finite dimensional quasi-Hopf algebras, math.QA/0403096, Mosc. Math. J. 5 (2005), no. 2, 371–378.

120. (with V. Dolgushev) Hochschild cohomology of quantized symplectic orbifolds and the Chen-Ruan cohomology, math.QA/0410562, Int. Math. Res. Not. 2005, no. 27, 1657–1688.

121. (with S. Gelaki) Liftings of graded quasi-Hopf algebras with radical of prime codimension. math.QA/0412143, J. Pure Appl. Algebra 205 (2006), no. 2, 310–322.

122. (with B. Enriquez and I. Marshall) Comparison of Poisson structures and Poisson-Lie dynamical r-matrices, math.QA/0412342, Int. Math. Res. Not. 2005, no. 36, 2183–2198.

123. (with W. L. Gan and V. Ginzburg) Continuous Hecke algebras, math.QA/0501192, Transform. Groups 10 (2005), no. 3-4, 423–447.

124. (with W. Crawley-Boevey and V. Ginzburg) Noncommutative Geometry and Quiver algebras, math.AG/0502301, Adv. Math. 209 (2007), pp. 274-336.

125. (with E. Rains) Central extensions of preprojective algebras, the quantum Heisenberg algebra, and 2-dimensional complex reflection groups. math.RT/0503393, J. of Algebra 299 (2006), 570-588.

126. (with V. Entov) On a Generalized Two-Fluid Hele-Shaw Flow, math-ph/0504066, European Journal of Applied Mathematics, Volume 18, Issue 01, February 2007, pp 103-128.

127. (with W. L. Gan and A. Oblomkov) Generalized double affine Hecke algebras of higher rank, math.QA/0504089, J. reine angew. Math. 600 (2006), 177-201.

128. Exploring noncommutative algebras via deformation theory, math.QA/0506144.

129. (with A. Henriques, J. Kamnitzer, and E. Rains) The cohomology ring of the real locus of the moduli space of stable curves of genus 0 with marked points, math.AT/0507514, Annals of Math., 2010, Vol. 171, No. 2, p.731-777.

130. (with L. Bartholdi, B. Enriquez, E. Rains) Groups and Lie algebras corresponding to the Yang-Baxter equations, math.RA/0509661, J. of Algebra., Volume 305, Issue 2, 2006, Pages 742-764.

131. (with W. L. Gan, V. Ginzburg, A. Oblomkov) Harish-Chandra homomorphisms and symplectic reflection algebras for wreath-products, math.RT/0511489, Publ. IHES, 2007, v. 105, p. 91-155.

132. (with C.-H. Eu) Koszulity and the Hilbert series of preprojective algebras, math.RA/0512287, Math. Res. Letters, Volume 14, Issue 4, 2007, pp. 589-596.

133. (with V. Ginzburg) Noncommutative complete intersections and matrix integrals, math.AG/0603272, Pure and Applied Mathematics Quarterly, Volume 3, Number 1. (Special Issue: In honor of Robert Macpherson, Part 3 of 3). 107-151, 2007.

134. (with E. Rains) New deformations of group algebras of Coxeter groups, II, math.QA/0604519, Geometric and Functional Analysis GAFA, Vol. 17, No. 6. (March 2008), pp. 1851-1871.

135•. Lectures on Calogero-Moser systems (Calogero-Moser systems and representation theory) math.QA/0606233, Zurich Lectrues in Advanced Mathematics, EMS, Zurich, 2007.

136. (with F. Latour and E. Rains) On central extensions of preprojective algebras, math.RT/0606403, J. Algebra 313 (2007), 165-175.

137. (with I. Pak) An algebraic extension of the MacMahon Master Theorem, math.CO/0608005, Proc. Amer. Math. Soc. 136 (2008), 2279-2288.

138. (with C.-H. Eu) Hochschild and cyclic homology of preprojective algebras of ADE quivers, math.RT/0609006, Mosc. Math. J., 2007, Volume 7, Number 4, Pages 601-612.

139. (with N. Geer) Monodromy of trigonometric KZ equations, math.QA/0611003, IMRN, December 2007.

140. (with X. Ma) Density of eigenvalues of random normal matrices with an arbitrary potential, and of generalized normal matrices, math.CV/0612108, SIGMA 3 (2007), 048, 13 pages.

141. (with D. Calaque and B. Enriquez) Universal KZB equations I: the elliptic case, accepted to Manin's 70th birthday volume, arXiv:math/0702670.

142. (with E. Rowell and S. Witherspoon) Braid group representations from twisted quantum doubles of finite groups, arXiv:math/0703274, Pacific J. Math. 234 (2008), no. 1, 33-41.

143. (with Xiaoguang Ma) On elliptic Dunkl operators, math/0706.2152, Michigan Math. J. Volume 57 (2008), 293-304.

144. Reducibility of the polynomial representation of the degenerate double affine Hecke algebra, math/0706.4308.

145. (with S. Gelaki), Quasisymmetric and unipotent tensor categories, math/0708.1487, Math. Research Letters 15(5), 2008, pp. 857-866.

146. Appendix to the paper "On the lower central series of an associative algebra", by Galyna Dobrovolska, John Kim and Xiaoguang Ma, math/0709.1905, J. of Algebra, Volume 320, Issue 1, 2008, Pages 213-237.

147. (with V. Ginzburg) Noncommutative del Pezzo surfaces and Calabi-Yau algebras, math/0709.3593.

148. (with R. Freund and X. Ma) A Lie-theoretic construction of representations of the degenerate affine and double affine Hecke algebras of type BC_n, arXiv/0801.1530, Represent. Theory 13 (2009) 33-49.

149. (with G. Dobrovolska) An upper bound for the lower central series quotients of a free associative algebra, math/0801.1997, International Mathematics Research Notices (2008).

150. (with S. Loktev, A. Oblomkov, L. Rybnikov) A Lie-theoretic construction of spherical symplectic reflection algebras, arXiv:0801.2339, Transformation Groups, Vol. 13, No. 3., pp. 541-556.

151. (with R. Bezrukavnikov) Parabolic induction and restriction functors for rational Cherednik algebras, math/0803.3639, Selecta Math., Volume 14, Numbers 3-4, May, 2009 Pages 397-425.

152. (with V. Entov) On the breakup of air bubbles in Hele-Shaw cell, math/0805.0020, EJAM, 2010.

153. (with J. Kim and X. Ma) On universal Lie nilpotent associative algebras, arXiv:0805.1909, J. of Algebra Volume 321, Issue 2, 15 January 2009, Pages 697-703.

154. (with D. Nikshych and V. Ostrik) Weakly group-theoretical and solvable fusion categories, arXiv:0809.3031, Advances in Mathematics Volume 226, Issue 1, 15 January 2011, Pages 176-205.

155●. (with Oleg Golberg, Sebastian Hensel, Tiankai Liu, Alex Schwendner, Dmitry Vaintrob, Elena Ydovina) Introduction to representation theory, arXiv:0901.0827, published by the AMS.

156. (with Emanuel Stoica) Unitary representations of rational Cherednik algebras (with an appendix by Stephen Griffeth), arXiv:0901.4595, Represent. Theory 13 (2009), 349-370.

157. (with Shlomo Gelaki) The small quantum group as a quantum double, arXiv:0902.0332, J. of Algebra, Journal of Algebra Volume 322, Issue 7, 2009, Pages 2580-2585.

158. A uniform proof of the Macdonald-Mehta-Opdam identity for finite Coxeter groups, 0903.5084, MRL, Math. Res. Lett. 17 (2010), no. 2, 277-284.

159. (with T. Schedler), Zeroth Poisson homology of symmetric powers of isolated quasi-homogeneous surface singularities arXiv:0907.1715, J. Reine Angew. Math. 667 (2012), 6788.

160. On Hele-Shaw problems arising as scaling limits, arXiv:0907.3856, Transport in porous media (83), 15-28.

161. (with T. Schedler) Poisson traces and D-modules on Poisson varieties, arXiv:0908.3868 (with an appendix by Ivan Losev), GAFA. Volume 20, Number 4, 958-987.

162. (with D. Nikshych and V. Ostrik) Fusion categories and homotopy theory, arXiv:0909.3140, Quantum topology, Volume 1, Issue 3, 2010, pp. 209-273.

163. Supports of irreducible spherical representations of rational Cherednik algebras of finite Coxeter groups, arXiv:0911.3208, Advances in Mathematics, vol. 229, issue 3, 2012.

164. (with X. Ma) Lecture notes on Cherednik algebras, arXiv:1001.0432.

165. (with G. Felder, X. Ma, A. Veselov) On elliptic Calogero-Moser systems for complex crystallographic reflection groups, arXiv:1003.4689, Journal of Algebra Volume 329, Issue 1, 1 March 2011, Pages 107-129.

166. (with T. Schedler) Traces on finite W-algebras, arXiv:1004.4634, Transformation Groups Volume 15, Number 4, 843-850.

167. Symplectic reflection algebras and affine Lie algebras, arXiv:1011.4584, MOSCOW MATHEMATICAL JOURNAL, Volume 12, Number 3, JulySeptember 2012, Pages 543565.

168. (with Eric Rains) On algebraically integrable differential operators on an elliptic curve, arXiv:1011.6410, SIGMA 7 (2011), 062.

169. (with Sherry Gong, Aldo Pacchiano, Qingchun Ren, and Travis Schedler) Computational approaches to Poisson traces associated to finite subgroups of Sp(2n,C), arXiv:1101.5171, Experimental Mathematics 21 (2), 141-170.

170. (with Shlomo Gelaki) Descent and forms of tensor categories, arXiv:1102.0657, Int Math Res Notices (2012) 2012 (13), 3040-3063.

171. (with Shlomo Gelaki) Reductions of tensor categories modulo primes, arXiv:1102.2517, Communications in Algebra 39, no. 12 (December 2011), 4634-4643 (volume dedicated to Miriam Cohen).

172. (with T. Schedler), Poisson traces for symmetric powers of symplectic varieties, arXiv:1109.4712, International Mathematics Research Notices, Vol. 2014, No. 12, pp. 33963438.

173. (with O. Chalykh) Orthogonality relations and Cherednik identities for multivariable Baker-Akhiezer functions, arXiv:1111.0515, Adv. Math. 238 (2013), 246289.

174. (with Y. Chen, D. Jordan, M. Zhang), Poisson traces in positive characteristic, arXiv:1112.6385, submitted to J. of Pure and Applied Algebra.

175. (with S. Bhupatiraju, D. Jordan, W. Kuszmaul, and J. Li), Lower central series of a free associative algebra over the integers and finite fields, arXiv:1203.1893, Volume 372, 2012, Pages 251274.

176. (with N. Andruskiewitsch and J. Cuadra), On two finiteness conditions for Hopf algebras with nonzero integral, arXiv:1206.5934, Accepted to Ann. Sc. Norm. Super. Pisa, Cl. Sci. (5).

177. Some properties of quantum doubles of finite groups, arXiv:1208.4874, J. of Algebra., Volume 394, 2013, Pages 16.

178. (with T. Schedler) Coinvariants of Lie algebras of vector fields on algebraic varieties, arXiv:1211.1883, submitted to J. of Algebraic geometry.

179. (with C. Walton) Semisimple Hopf actions on commutative domains, arXiv:1301.4161, Adv. in Math., Volume 251, 2014, Pages 4761.

180. (with I. Losev and E. Gorsky) Representations of rational Cherednik algebras with minimal support and torus knots, arXiv:1304.3412, submitted to Adv. Math.

181. Galois bimodules and integrality of PI comodule algebras over invariants, arXiv:1306.3821, accepted to J. of Noncommutative geometry.

182. (with T. Schedler) Invariants of Hamiltonian flow on locally complete intersections, arXiv:1401.5042, to appear in GAFA.

183. Representation theory in complex rank, I, arXiv:1401.6321, Transformation Groups, v.19, No. 2, 2014 (E. B. Dynkin 90th birthday volume), p.359-381.

184. (with C. Walton) Pointed Hopf actions on fields, I, arXiv:1403.4673, submitted to Transf. Groups.

185. Representation theory in complex rank, II, arXiv:1407.0373, submitted to Advances in Math (Zelevinsky memorial volume).

186. (with J. Cuadra and C. Walton) Semisimple Hopf actions on Weyl algebras, arXiv:1409.1644, submitted to Advances in Math.

187. (with J. Cuadra and C. Walton) Finite dimensional Hopf actions on Weyl algebras, arXiv:1509.01165, submitted to Advances in Math.

188. (with C. Walton) Pointed Hopf actions on fields, II, arXiv:1511.09320.

189. (with A. Brookner, D. Corwin, and S. Sam) On Cohen-Macalayness of S_n-invariant subspace arrangements, arXiv:1410.5096, submitted to IMRN.

190. (with J. Cuadra) Finite dimensional Hopf actions on central division algebras, arXiv:1508.01251.

191. • (with S. Gelaki, D. Nikshych, V. Ostrik) Tensor categories, AMS, 2015.

192. (with I. Losev) Appendix to "Bernstein inequality and holonomic modules" by I. Losev, arXiv:1501.01260.

193. (with S. Gelaki) Exact sequences of tensor categories with respect to a module category, arXiv:1504.01300, submitted to Advances in Math.

194. (with Nabilah Abughazalah), Linear growth for semigroups which are disjoint unions of finitely many copies of the free monogenic semigroup, arXiv:1505.02149.

195. (with E. Rains), On Cohen-Macaulayness of algebras generated by generalized power sums, arXiv:1507.07485.

196. (with Debashish Goswami, Arnab Mandal, Chelsea Walton), Hopf coactions on commutative algebras generated by a quadratically independent comodule, arXiv:1507.08486.

197. (with Nabilah Abughazalah), On properties of the lower central series of associative algebras, arXiv:1508.00943.

198. (with Nate Harman and Victor Ostrik), p-adic dimensions in symmetric tensor categories in characteristic p, arXiv:1510.04339.

199. (with Victor Ostrik, Siddharth Venkatesh), Computations in symmetric fusion categories in characteristic p, arXiv:1512.02309.

200. Semisimple and G-equivariant simple algebras over operads, arXiv:1512.07658.

201. (with C. Walton) Finite dimensional Hopf actions on deformation quantizations, arXiv:1602.00532.

202. A PI degree theorem for quantum deformations, arXiv:1602.06480.

203. Koszul duality and the PBW theorem in symmetric tensor categories in positive characteristic, arXiv:1603.08133.

204. (with C. Walton), arXiv:1605.00560, Finite dimensional Hopf actions on algebraic quantizations.

205. Proof of the Brou-Malle-Rouquier conjecture in characteristic zero (after I. Losev and I. Marin - G. Pfeiffer), arXiv:1606.08456

206. (with A. Braverman and M. Finkelberg) Cyclotomic double affine Hecke algebras (with an appendix by Hiraku Nakajima and Daisuke Yamakawa), arXiv:1611.10216.

207. (with A. Davydov and D. Nikshych) Autoequivalences of tensor categories attached to quantum groups at roots of 1, arXiv:1703.06543.

208. On faithfulness of the lifting for Hopf algebras and fusion categories, arXiv:1704.07855.

209. (with T. Schedler) Poisson traces, D-modules, and symplectic resolutions, arXiv:1705.00423.

210. (with S. Gelaki) Invariant Hopf 2-cocycles for affine algebraic groups, arXiv:1707.08672.

211. (with S. Neshveyev) Relations in quantized function algebras, arXiv:1709.01278.

212. (with B. Enriquez) A Tannakian interpretation of the elliptic infinitesimal braid Lie algebras, arXiv:1709.03430.

213. (with V. Ostrik) On semisimplification of tensor categories, arXiv:1801.04409.

214. (with C. Galindo) Reflection fusion categories, arXiv:1803.05568.

215. (with an appendix by Gregor Schaumann) Eigenvalues of the squared antipode in finite dimensional weak Hopf algebras, arXiv:1805.09395.

216. (with Dave Benson) Symmetric tensor categories in characteristic 2, arXiv:1807.05549.