LIST OF PUBLICATIONS

Journal articles

(1) (with I. Cheltsov and V. Przyjalkowski) *Hyperelliptic and trigonal Fano threefolds*
Izvestiya: Mathematics, 2005, 69:2, 365–421
arXiv:math/0406143 [math.AG]

(2) *On rationality of non-singular threefolds with a pencil of del Pezzo surfaces of degree* 4
Sbornik: Mathematics, 2006, 197:1, 127–137
arXiv:math/0701521 [math.AG]

(3) *Ascending chain condition for the set of canonical thresholds of toric varieties*
Sbornik: Mathematics, 2006, 197:4, 623–631

(4) $\mathbb{Q}$*-factorial quartic threefolds*
Sbornik: Mathematics, 2007, 198:8, 1165–1174
arXiv:math/0701459 [math.AG]

(5) *Birational rigidity and $\mathbb{Q}$-factoriality of a singular double quadric*
Mathematical Notes, 2008, 84:2, 280–289
arXiv:math/0701522 [math.AG]

(6) (with I. Cheltsov, an appendix by J.-P. Demailly) *Log canonical thresholds of smooth Fano threefolds*
UMN, 2008, 63:5(383), 73–180
arXiv:0806.2107 [math.AG]

(7) (with I. Cheltsov) *Extremal metrics on del Pezzo threefolds*
Proceedings of the Steklov Institute of Mathematics, 2009, 264, 30–44
arXiv:0810.1924 [math.AG]

(8) (with I. Cheltsov and J. Park) *Exceptional del Pezzo hypersurfaces*
Journal of Geometric Analysis, 2010, 20, 787–816
arXiv:0810.2704 [math.AG]

(9) (with I. Cheltsov) *On exceptional quotient singularities*
Geometry and Topology, 15 (2011), 1843–1882
arXiv:0909.0918 [math.AG]

(10) (with I. Cheltsov) *Six-dimensional exceptional quotient singularities*
Math. Res. Lett., 18:6 (2011), 1121-1139; arXiv:1001.3863 [math.AG]

(11) (with I. Cheltsov) *Nine-dimensional exceptional quotient singularities exist*
Proceedings of the Gokova Geometry–Topology conference, International Press, 2011, 85-96; arXiv:1110.6782 [math.AG]

(12) (with I. Cheltsov) *Three embeddings of the Klein simple group into the Cremona group of rank three*
Transform. Groups, 17:2 (2012), 303-350; arXiv:1010.1918 [math.AG]

(13) (with M. Feigin) *On unitary submodules in the polynomial representations of rational Cherednik algebras*
Int. Math. Res. Not., 2012, no. 15, 3375–3414
arXiv:1010.4245 [math.RT]

(14) (with I. Cheltsov) *Sporadic simple groups and quotient singularities*
Izv. RAN. Ser. matem., 77:4, 846–854 (2013)
arXiv:1207.2227 [math.AG]

Preprints

(1) *Birational automorphisms of nodal quartic threefolds*
arXiv:0803.4348 [math.AG]
(2) (with I. Cheltsov) *Del Pezzo Zoo*
arXiv:0904.0114 [math.AG]
(3) (with I. Cheltsov) *Five embeddings of one simple group*
arXiv:0910.1783 [math.AG]
To appear in Transactions of the AMS
(4) (with I. Cheltsov) *Weakly-exceptional singularities in higher dimensions*
arXiv:1111.1920 [math.AG]
To appear in Journal fur die Reine und Angewandte Mathematik
(5) (with Yu. Prokhorov) *Jordan property for Cremona groups*
arXiv:1211.3563 [math.AG]
(6) (with V. Przyjalkowski) *On Hodge numbers of complete intersections and Landau–Ginzburg models*
arXiv:1305.4377 [math.AG]
(7) (with Yu. Prokhorov) *Jordan property for groups of birational selfmaps*
arXiv:1307.1784 [math.AG]