

## LIST OF PUBLICATIONS

### BOOK

(with I. Cheltsov) *Cremona groups and the icosahedron*, CRC Press, 2015

### 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]
- (15) (with I. Cheltsov) *Del Pezzo zoo*  
Exp. Math., 22:3 (2013), 313–326  
arXiv:0904.0114 [math.AG]
- (16) (with I. Cheltsov) *Five embeddings of one simple group*  
Trans. Amer. Math. Soc., 366:3 (2014), 1289–1331  
arXiv:0910.1783 [math.AG]
- (17) (with I. Cheltsov) *Weakly-exceptional singularities in higher dimensions*  
J. Reine Angew. Math., 2014:689 (2014), 201–241  
arXiv:1111.1920 [math.AG]
- (18) (with Yu. Prokhorov) *Jordan property for Cremona groups*  
Amer. J. Math., 138:2 (2016), 403–418  
arXiv:1211.3563 [math.AG]
- (19) (with V. Przyjalkowski) *On Hodge numbers of complete intersections and Landau–Ginzburg models*  
Int. Math. Res. Not. IMRN, 2015:21 (2015)  
arXiv:1305.4377 [math.AG]
- (20) (with Yu. Prokhorov) *Jordan property for groups of birational selfmaps*  
Compositio Math., 150:12 (2014), 2054–2072  
arXiv:1307.1784 [math.AG]
- (21) (with V. Przyjalkowski) *On weak Landau–Ginzburg models for complete intersections in Grassmannians*, Russian Math. Surveys, 69:6 (2014), 1129–1131.
- (22) (with V. Przyjalkowski) *Double quadrics with large automorphism groups*  
Proc. Steklov Inst. Math., 294 (2016), 154–175  
arXiv:1604.00307 [math.AG]
- (23) (with I. Cheltsov and V. Przyjalkowski) *Quartic double solids with icosahedral symmetry*  
Eur. J. Math., 2:1 (2016), 96–119  
arXiv:1508.07282 [math.AG]

#### PREPRINTS

- (1) *Birational automorphisms of nodal quartic threefolds*  
arXiv:0803.4348 [math.AG]
- (2) (with V. Przyjalkowski, an appendix by Th. Prince) *Laurent phenomenon for Landau–Ginzburg models of complete intersections in Grassmannians of planes*  
arXiv:1409.3729 [math.AG]
- (3) (with I. Cheltsov and V. Przyjalkowski) *Which quartic double solids are rational?*  
arXiv:1508.07277 [math.AG]
- (4) (with C. Ciliberto, M. Farnik, A. Küronya, V. Lozovanu, and J. Roé,) *Newton–Okounkov bodies sprouting on the valuative tree*  
arXiv:1602.02074 [math.AG]

- (5) (with A. Kuznetsov and Yu. Prokhorov) *Hilbert schemes of lines and conics and automorphism groups of Fano threefolds*  
arXiv:1605.02010 [math.AG]
- (6) (with I. Cheltsov and V. Przyjalkowski) *Burkhardt quartic, Barth sextic, and the icosahedron*  
arXiv:1606.04372 [math.AG]
- (7) (with Yu. Prokhorov) *Jordan constant for Cremona group of rank 3*  
arXiv:1608.00709 [math.AG]
- (8) (with Yu. Prokhorov)  *$p$ -subgroups of the space Cremona group*  
arXiv:1610.02990 [math.AG]