List of Publications and Citations
Marius Vladoiu

Articles:

[**1**] J. Herzog, D. Popescu, M. Vladoiu – *On the Ext-modules of ideals of Borel type,* **Contemp. Math.** 331, 2003, 171–186.

[**2**] J. Herzog, T. Hibi, M. Vladoiu – *Ideals of fiber type and polymatroids,* **Osaka J. Math.** 42, 2005, 807–829.

[**3**] D. Popescu, M. Vladoiu – *Strong Lefschetz property on algebras of embedding dimension three,* **Bull. Math. Soc. Sci. Math. Roumanie** (N.S.) 49(97), 2006, 75–86.

[**4**] M. Vladoiu – *Discrete Polymatroids,* **An. Şt. Univ. Ovidius Constanţa**, Vol. 14(2), 2006, 89–112.

[**5**] M. Vladoiu – *Equidimensional and unmixed ideals of Veronese type,* **Comm. in Algebra** 36(9), 2008, 3378–3392.

[**6**] J. Herzog, M. Vladoiu, X. Zheng – *How to compute the Stanley depth of a monomial ideal,* **J. Algebra** 322, 2009, 3151–3169.

[**7**] J. Herzog, D. Popescu, M. Vladoiu – *Stanley depth and size of a monomial ideal,* **Proc. Amer. Math. Soc.** 140, 2012, 493–504.

[**8**] M. Becheanu, M. Vladoiu – *An irreducibility criterion for polynomials via Jordan matrices,* submitted.

[**9**] J. Herzog, A. Rauf, M. Vladoiu – *The stable set of associated prime ideals of a polymatroidal ideal,* **J. Alg. Combinatorics** Vol. 37(2), 289–312, 2013.

[**10**] J. Herzog, M. Vladoiu – *Squarefree monomial ideals with constant depth function,* **J. Pure Appl. Algebra** 217(9), pp. 1764–1772, 2013.

[**11**] H. Charalambous, A. Thoma, M. Vladoiu – *Markov bases of lattice ideals,* arXiv:1303.2303v2, submitted.

[**12**] H. Charalambous, A. Thoma, M. Vladoiu – *Markov bases and generalized Lawrence liftings,* arXiv:0697072v2, submitted.

[**13**] J. Herzog, M. Vladoiu – *Monomial ideals with primary components given by powers of monomial prime ideals,* arXiv:1310.3409v1, submitted.

[**14**] H. Charalambous, A. Thoma, M. Vladoiu – *Markov complexity of monomial curves,* arXiv:1311.4707v1, submitted.

List of citations for articles:

Citations for [1]:

1. U. Nagel, T. Romer – *Extended degree functions and monomial modules,* **Trans. Amer. Math. Soc.** 358, 2006, 3571–3589.

2. L. T. Hoa, E. Hyry – *On local cohomology and Hilbert functions of powers of ideals,* **Manuscripta Math.** 112, 2003, 77–92.

3. D. Popescu – *Extremal Betti numbers and regularity of Borel type ideals,* **Bull. Math. Soc. Sci. Math. Roumanie** (N.S.), Tome 48(96),2005, 65–72.

4. L. T. Hoa – *Finiteness of Hilbert functions and bounds for Castelnuovo-Mumford regularity of initial ideals,* **Trans. Amer. Math. Soc.** 360, 2008, 4519–4540.

5. J. Herzog, D. Popescu – *Finite filtrations of modules and shellable multicomplexes,* **Manuscripta Math.** 121, 2006, 385–410.

6. S. Fumasoli – *Hilbert scheme strata defined by bounding cohomology,* **J. Algebra** 315, 2007, 566–587.

7. D. Popescu – *A monomial cycle basis on Koszul homology modules,* **J. Pure Appl. Algebra** 212, 2008, 132–139.

8. D. Popescu – *Criteria for shellable multicomplexes,* **An. Şt. Univ. Ovidius Constanţa,** Vol. 14(2), 2006, 73–84.

9. A. Imran, A. Sarfraz – *Regularity of ideals of Borel type is linearly bounded,* **Comm. in Algebra** 36(2), 2008, 670–673.

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11. M. Cimpoeaş – *A Stable Property of Borel Type Ideals,* **Comm. in Algebra** 36(2), 2008, 674–677.

12. M. Cimpoeaş – *Regularity for certain classes of monomial ideals,* **An. Şt. Univ. Ovidius Constanţa,** Vol. 15(1), 2007, 33–46.

13. M. Cimpoeaş – *Some remarks on Borel type ideals,* **Comm. in Algebra** 37(2), 2009, 724–727.

14. A. Hashemi, – *Polynomial complexity for Hilbert series of Borel type ideals,* **Albanian J. Math.** 1, 2007, 145–155.

15. A. Hashemi – *Polynomial-time algorithm for Hilbert series of Borel type ideals,* Proceedings of the 2007 international workshop on Symbolic-numeric computation, Ontario, Canada, Editors: J. Verschelde, S.M. Watt, 97–102.

16. W. M. Seiler – *A Combinatorial Approach to Involution and delta-Regularity II: Structure Analysis of Polynomial Modules with Pommaret Base* , **Applicable Algebra in Engineering, Communication and Computing,** vol. 20, 2009, 261–338.

17. C. Francisco, J. Mermin, J. Schweig – *Borel generators,* **J. Algebra** 332, 2011, 522–542.

18. W. M. Seiler – *Effective Genericity, d-Regularity and Strong Noether Position,* **Comm. Algebra** Vol. 40(10), 3933–3949, 2012.

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1. D. Eisenbud, C. Huneke, B. Ulrich – *The regularity of Tor and graded Betti numbers,* **Amer. J. Math.** 128(3), 2006, 573–605.

2. A. Simis, R. H. Villarreal – *Linear Syzygies and birational combinatorics,* **Results Math.** 48, 2005, 326–343.

3. H. Ohsugi, T. Hibi – *Prestable Ideals and SAGBI bases,* **Math. Scand.** 96(1), 2005, 22–30.

4. R.H. Villarreal – *Rees cones and monomial rings of matroids,* **Linear Algebra Appl.** 428, 2008, 2933–2940.

5. A.Van Tuyl, F. Zanello – *Simplicial complexes and Macaulay's inverse systems,* **Math. Z.** 265, 2010, 151–160.

6. A. Ştefan – *Intersections of base rings associated to transversal polymatroids,* **Bull. Math. Soc. Sci. Math. Roumanie** Tome 52(100), 2009, 79-96.

7. A. Ştefan – *The type of the base ring associated to a transversal polymatroid,* **Contemporary Mathematics**, "Combinatorial Aspects of Commutative Algebra", vol. 502, 2009, 168–184.

8. H. Brenner, J. Herzog, O. Villamayor – *Three Lectures On Commutative Algebra,* **University Lecture series**, Vol.42, Amer. Math. Soc., Providence, RI, 2008.

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Citations for [5]:

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2. J. Herzog, A. Soleyman-Jahan, X. Zheng – *Skeletons of Monomial Ideals,* **Math. Nachrichten** 283(10), 1403-1408, 2010.

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7. S. Nasir – *Stanley decompositions and localization,* **Bull. Math. Soc. Sci. Math. Roumanie** (N.S.) 51(99), 151–158, 2008.

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