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Publications

Journals

- Sara Faridi, Mohammad Farrokhi D. G., Roya Ghorbani and Ali Akbar Yazdan Pour, "Cellular resolutions of monomial ideals and their Artinian reductions", Journal of Pure and Applied Algebra, Vol. 228, NO. 107608, 2024, doi: <https://doi.org/10.1016/j.jpaa.2024.107608>
- Reza Abdolmaleki and Ali Akbar Yazdan Pour, "The saturation number of monomial ideals", Communications in Algebra, Vol. 51, NO. 8, pp. 3163-3171, 2023, doi: [10.1080/00927872.2023.2178658](https://doi.org/10.1080/00927872.2023.2178658)
- Raheleh Jafari and Ali Akbar Yazdan Pour, "Shedding veruces and Ass-decomposable monomial ideals", Rocky Mountain Journal of Mathematics, Vol. 53, NO. 1, 2023, doi: [10.1216/rmj.2023.53.89](https://doi.org/10.1216/rmj.2023.53.89)
- Mohammad Farrokhi D.G. and Yasin Sadegh and Ali Akbar Yazdan Pour, "Green-Lazarsfeld index of square-free monomial ideals and their powers", Journal of Algebra, Vol. 622, NO. 2, 2023, doi: <https://doi.org/10.1016/j.jalgebra.2023.01.013>
- Abbas Nasrollah Nejad and Ali Akbar Yazdan Pour, "The Valabrega–Valla module of monomial ideals", Journal of Algebra and Its Applications, Vol. 22, NO. 2, 2023, doi: <https://doi.org/10.1142/S0219498823500536>



- Mohammad Farrokhi D.G. and Shekoofeh Gharakhloo and Ali Akbar Yazdan Pour, "Positive matching decompositions of graphs", Discrete Applied Mathematics, Vol. 320, pp. 311-323, 2022, doi: <https://doi.org/10.1016/j.dam.2022.05.012>
- Mina Bigdeli and Ali Akbar Yazdan Pour, "Multigraded minimal free resolutions of simplicial subclutters", Journal of Combinatorial Theory, Series A, Vol. 178, NO. 4, 2021, doi: <https://doi.org/10.1016/j.jcta.2020.105339>
- Mina Bigdeli and Ali Akbar Yazdan Pour and Rashid Zaare-Nahandi, "Decomposable clutters and a generalization of Simon's conjecture", Journal of Algebra, Vol. 531, NO. 4, 2019, doi: <https://doi.org/10.1016/j.jalgebra.2019.03.037>
- Abbas Nasrollah Nejad and Ashkan Nikseresht and Ali Akbar Yazdan Pour and Rashid Zaare-Nahandi, "On the blowup of affine spaces along monomial ideals: Tameness", Journal of Symbolic Computation, Vol. 93, NO. 4, 2019, doi: <https://doi.org/10.1016/j.jsc.2018.04.009>
- Mina Bigdeli and Ali Akbar Yazdan Pour and Rashid Zaare-Nahandi, "Stability of Betti numbers under reduction processes: Towards chordality of clutters", Journal of Combinatorial Theory, Series A, Vol. 145, NO. 4, 2017, doi: <https://doi.org/10.1016/j.jcta.2016.06.001>
- Ali Akbar Yazdan Pour, "Candidates for nonzero Betti numbers of monomial ideals", Communications in Algebra, Vol. 45, NO. 4, 2017, doi: [10.1080/00927872.2016.1177828](https://doi.org/10.1080/00927872.2016.1177828)
- Mina Bigdeli and Jurgen Herzog and Ali Akbar Yazdan Pour and Rashid Zaare-Nahandi, "Simplicial orders and chordality", Journal of Algebraic Combinatorics, Vol. 45, NO. 4, 2016, doi: <https://doi.org/10.1016/j.jcta.2016.06.001>
- Marcel Morales and Ali Akbar Yazdan Pour and Rashid Zaare-Nahandi, "Regularity and Free Resolution of Ideals Which Are Minimal To d -Linearity", MATHEMATICA SCANDINAVICA, Vol.



118, NO. 2, 2016, doi: [10.7146/math.scand.a-23685](https://doi.org/10.7146/math.scand.a-23685)

- Marcel Morales and Ali Akbar {Yazdan Pour} and Rashid Zaare{-}Nahandi, "Castelnuovo-Mumford regularity under reduction processes on Graphs and Hypergraphs", Electron. Notes Discret. Math., Vol. 45, 2014, doi: [10.1016/j.endm.2013.11.012](https://doi.org/10.1016/j.endm.2013.11.012)
- Marcel Morales and Ali Akbar Yazdan Pour and Rashid Zaare-Nahandi, "Castelnuovo-Mumford regularity under reduction processes on Graphs and Hypergraphs", Electron. Notes Discret. Math., Vol. 45, NO. 4, 2014, doi: [10.1016/j.endm.2013.11.012](https://doi.org/10.1016/j.endm.2013.11.012)
- Marcel Morales and Abbas Nasrollah Nejad and Ali Akbar Yazdan Pour and Rashid Zaare-Nahandi, "Monomial ideals with 3-linear resolutions", Annales de la Facult'e des sciences de Toulouse : Math\ematiques, NO. 4, 2014, doi: [10.5802/afst.1428](https://doi.org/10.5802/afst.1428)
- Marcel Morales and Ali Akbar Yazdan Pour and Rashid Zaare-Nahandi, "The regularity of edge ideals of graphs", Journal of Pure and Applied Algebra, Vol. 216, NO. 12, 2012, doi: <https://doi.org/10.1016/j.jpaa.2012.03.029>