

## List of papers: Ilya M. Safro

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### Publications

1. Safro I., Segel L., "Collective stochastic versions of playable games as metaphors for complex biosystems: Team Collect Four", Complexity 8 (2003), 46-55, [download](#)
2. Safro I., "The minimum linear arrangement problem", M.Sc. Thesis, Weizmann Institute of Science, 2002.
3. Safro I., Ron D., Brandt A., "Graph Minimum Linear Arrangement by Multilevel Weighted Edge Contractions", Journal of Algorithms, vol. 60/1, pp. 24-41, 2006, [download](#)
4. Safro I., Ron D., Brandt A., "A Multilevel Algorithm for the Minimum 2-sum Problem", Journal of Graph Algorithms and Applications, vol. 10/2, 2006, [download](#)
5. Safro I., Ron D., Brandt A., "Multilevel Algorithms for Linear Ordering Problems", accepted, Journal of Experimental Algorithmics, 2007.
6. Klipcan L., Safro I., Temkin B., Safro M., "Optimal growth temperature of prokaryotes correlates with class II amino acid composition", FEBS Letters, vol. 580/6, pp. 1672-1676, 2006, [download](#)

### In preparation

1. "Fast multilevel solver for a planar constrained quadratic minimization problems", 2007.
2. "Generalization of Algebraic Multigrid coarsening scheme", 2007.

### Book chapters

1. Safro I., Ron D., Brandt A., "Fast Multilevel Algorithms for Linear Ordering Problems", "Computer algorithms: Research, Developments", Nova Science Publishers, 2007.

### ArXiv publications

1. Safro I., "The minimum linear arrangement problem on proper interval graphs", arXiv, cs.DM/0608008, 2002 (submitted 2006), [download](#)
2. Benditkis S., Safro I., "Generalizations of the Hanoi Towers problem", arXiv, cs.DM/0612070, 1998 (submitted 2006), [download](#)