

**List of Published Papers in Scientific Journals That Are Not Listed in CC (Popis  
objavljenih radova u časopisima koji nisu u CC)**

**2002**

- 1) D. Vukičević, Factorizations of the Complete Graph into Factors of Subdiameter Two and Factors of Diameter Three, *Math. Commun*, **7** (2002) 123-142.

**2003**

- 2) D. Vukičević, Distinction between Modifications of Wiener Indices, *MATCH Commun. Math. Comput. Chem.* **47** (2003) 87-105.
- 3) D. Vukičević and I. Gutman, Note on a Class of Modified Wiener Indices, *MATCH Commun. Math. Comput. Chem.* **47** (2003) 107-117.
- 4) D. Vukičević and J. Žerovnik, New Indices Based on the Modified Wiener Indices, *MATCH Commun. Math. Comput. Chem.* **47** (2003) 119-132.
- 5) D. Vukičević, Decomposition of Complete Graph into Factors of Diameter Two and Three, *Discuss. Math. Graph Theory*, **23** (2003) 37-54.
- 6) D. Vukičević, Mix-decompositon of the Complete Graph into Directed Factors of Diameter 2 and Undirectred Factors of Diameter 3, *Glas. Mat. Ser. III*, **38** (2) (2003) 211-232.

**2004**

- 7) D. Vukičević and A. Graovac, On Modified Wiener Indices of Thorn Graphs, *MATCH Commun. Math. Comput. Chem.* **50** (2004) 93-108.
- 8) D. Vukičević and I. Gutman, Almost all Trees and Chemical Trees Have Equiseparable Mates, *J. Comput. Chem. Jpn.* **3** (2004) 109-112.
- 9) D. Vukičević and N. Trinajstić: Wiener Indices of Benzenoid Graphs, *Bull. Chem. Technol. Macedonia*, **23** (2) 113-129 (2004).
- 10) D. Vukičević and I. Gutman, Laplacian Matrix and Distance in Trees, *Kragujevac J. Math* **26** (2004) 19-24
- 11) D. Vukičević and J. Sedlar, Total forcing number of the triangular grid, *Math. Commun*, **9** (2004) 169-179.

**2005**

- 12) D. Vukičević and N. Trinajstić, On the Discriminatory Power of the Zagreb Indices for Molecular Graphs, *MATCH Commun. Math. Comput. Chem.* **53** (2005) 111-138.
- 13) D. Vukičević and J. Žerovnik, Variable Wiener Indices, *MATCH Commun. Math. Comput. Chem.* **53** (2005) 385-402.
- 14) D. Vukičević and A. T. Balaban, On the Degeneracy of Topological Index  $J$ , *IEJMD*, **4** (7) (2005) 491-500.
- 15) D. Vukičević, S. Nikolić and N. Trinajstić, On the Schultz Index of Thorn Graphs, *IEJMD*, **4** (7) (2005) 501-514.
- 16) J. Sedlar and D. Vukičević, Problem cjenovne optimizacije nadogradnje kapaciteta mreže protoka, Zbornik radova Fakulteta prirodoslovno-matematičkih znanosti i odgojnih područja Sveučilišta u Splitu, 2005, 25-37.

## 2006

- 17) D. Vukičević, D. Veljan and N. Trinajstić, Thorny graphs. I. Valence connectivities, *MATCH Commun. Math. Comput. Chem*, **55** (1) (2006) 73-82.
- 18) I. Lukovits, A. Miličević, N. Trinajstić and D. Vukičević, Kekulé Structure Counts in Damaged Benzenoid Paralelograms, *IEJMD*, **5** (3), 144-149.
- 19) Z. Bo, A. Graovac and D. Vukičević, Variable Wiener Indices of Thorn Graphs, *MATCH Commun. Math. Comput. Chem*, **56** (2006) 375-382.
- 20) D. Vukičević, S. Trninić and D. Dizdar, Formal Model for Assessing Appropriateness of Competition System, *Kinesiology*, **38** (2006) 49-56.

## 2007

- 21) D. Vukičević and T. Došlić, Global Forcing Number of Grid Graphs, *Australas. J. Combin* **38** (2007) 47-62.
- 22) D. Vukičević and R. Hefferlin, A graph-theory approach to global determination of octet molecules, *MATCH Commun. Math. Comput. Chem*, **57** (3) (2007) 557-572.
- 23) D. Vukičević and A. Graovac, Comparing Zagreb M1 and M2 indices for acyclic molecules, *MATCH Commun. Math. Comput. Chem*, **57** (3) (2007) 587-590.
- 24) D. Vukičević, Comparing variable Zagreb indices, *MATCH Commun. Math. Comput. Chem*, **57** (3) (2007) 633-641,

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- 25) D. Vukičević, S. M. Rajtmajer and N. Trinajstić, Trees with maximal second Zagreb index and prescribed number of vertices of the given degree, *MATCH Commun. Math. Comput. Chem*, **60** (1) (2008) 65-70.
- 26) D. Vukičević and A. Graovac, Comparing variable Zagreb M1 and M2 indices for acyclic molecules, *MATCH Commun. Math. Comput. Chem*, **60** (1) (2008) 37-44.
- 27) S. Trninić, V. Papić, V. Trninić, D. Vukičević, Player selection procedures in team sports games, *Acta Kinesiol*, **2** (2008) 24-28.
- 28) D. Vukičević, T. Došlić and A. Graovac, Rekurziv függvények és Morgan-fák (Recursive functions and Morgan trees), *Magy. Kem. Foly.*, **4** (2008) 166-171 (in Hungarian).
- 29) J. Sedlar, D. Vukičević, M. Aouchiche and P. Hansen, Variable Neighborhood Search for Extremal Graphs: 25. Products of Connectivity and Distance Measure, *Graph Theory Notes New York*, **55** (2008) 6-13.
- 30) D. Veljan and D. Vukičević, Anti-Kekule number of triangular, rectangular and hexagonal grid, *Glas. Mat. Ser. III*, **43** (2) (2009) 243-252.
- 31) D. Vukičević, Application of symmetry in the study of fullerenes, *Symmetry Cult. Sci*, **19** (4) (2008) 385-395.
- 32) D. Vukičević and T. Vojković, On the Degeneracy of Molecular Identification Number MID06, *IEJMD*, **7** (10) (2008) 216-224.
- 33) S. Trninić, V. Papić, and D. Vukičević: Scientific approach to a selection of a game tactics model in team sports, *Acta Kinesiol*, **2** (2008) 14-19.

## 2009

- 34) D. Vukičević, Note on the graphs with the greatest edge-Szeged index, *MATCH Commun. Math. Comput. Chem*, **61** (3) (2009) 673-681.

- 35) D. Vukičević, Variable Zagreb Indices of  $K_{r+1}$ -free Graphs, *MATCH Commun. Math. Comput. Chem*, **62** (3) 2009, 715-724.
- 36) P. Hansen and D. Vukičević, Variable Neighborhood Search for Extremal Graphs. 23. On the Randić Index and Chromatic Number, *Discrete Math*, **309** (13) (2009) 4228-4234.
- 37) B. Zhou and D. Vukičević, On General Randić and General Zeroth Order Randić Index, *MATCH Commun. Math. Comput. Chem*, **62** (2009), 189-196.
- 38) D. Vukičević, On the rules for the elimination of the non-canonical trees, *Kragujevac J. Math*, **32** (2009) 117-122.
- 39) D. Vukičević, On the Edge Degrees of Trees, *Glas. Mat. Ser. III*, **44** (2) (2009) 259-266.
- 40) Rundan Xing, Bo Zhou and Damir Vukičević, A Note on Wiener-and Kirchoff-sum indices, *Int. J. Chem. Model*, **2** (2-3) (2009) 247-258

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- 41) G. Caporossi, P. Hansen and D. Vukičević, Comparing Zagreb Indices of Cyclic Graphs, *MATCH Commun. Math. Comput. Chem*, **63** (2) (2010) 441-451.
- 42) D. Vukičević, Which Generalized Randić Indices are Suitable Measure of Branching?, *MATCH Commun. Math. Comput. Chem*, **64** (2) (2010) 443-452.
- 43) I. Pesek, M. Rotovnik, D. Vukičević and J. Žerovnik, Wiener number of directed graphs and its relation to the oriented network design problem, *MATCH Commun. Math. Comput. Chem*, **64** (3) (2010) 727-742.
- 44) D. Vukičević, J. Đurđević and I. Gutman, On the number of Kekule structures of fluoranthene congeners, *J. Serb. Chem. Soc*, **75** (8) (2010) 1093-1098.
- 45) S. M. Rajtmajer and D. Vukičević: A fast approach to the detection of all-purpose hubs in complex networks with chemical applications, *IJMC*, **1** (2010).
- 46) O. Ori, F. Cataldo, D. Vukičević and A. Graovac, Wiener Way to Dimensionality, *IJMC*, **1** (2010).
- 47) T. Došlić, M. Saheli and D. Vukičević, Eccentric connectivity index: extremal graph and values, *IJMC*, **1** (2010).
- 48) D. Vukičević and Tomaž Pisanski: On the extremal values of ratios of number of paths, *Ars Math. Contemp*, **3** (2010) 215–235.
- 49) D. Vukicevic, I. Gutman, B. Furtula, V. Andova, D. Dimitrov: Some Observations on Comparing Zagreb Indices, *MATCH Commun. Math. Comput. Chem*, **66** (2011) 627-645.
- 50) D. Vukicevic: Chor Coefficient – Measuring Correlation in Chemistry, *MATCH Commun. Math. Comput. Chem*, **65** (2011) 365-382.
- 51) D. Vukičević: Bond Additive Modeling 6. Randomness vs. Design, *MATCH Commun. Math. Comput. Chem*, **65** (2011) 415-426.