

Abstracts in the conference proceedings (Sažeci u zbornicima konferencija)

2003

- 1) Veljan, Darko; Vukičević, Damir. On Acyclic Molecular Graphs with Prescribed Number of Edges That Connect Vertices of Given Degrees // Math/Chem/Comp 2003 Book of Abstracts.

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- 2) Vukičević, Damir; Gutman, Ivan. Almost all trees and chemical trees have equiseparable mates // Book of Abstracts Math/Chem/Comp 2004.
- 3) Graovac Ante; Vlah, Ivana; Vukičević, Damir. On recursion relations in chemistry // Book of Abstracts, 2004.
- 4) Vukičević, Damir; Graovac, Ante. Which valence connectivities are realizing monocyclic molecules: generating algorithm and its application to test discriminative properties of Zagreb and modified Zagreb index // Book of abstracts Third Mathematical Congress 2004.
- 5) Vukičević, Damir; Graovac, Ante. Valence connectivity versus Randić, Zagreb and modified Zagreb index: A linear algorithm // Book of Abstracts MATH/CHEM/COMP 2004

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- 6) Vukičević, Damir; Randić, Milan. Kekule structures of C₇₀ // Book of Abstracts Math/Chem/Comp 2005.
- 7) Anđelić, Ivana; Vukičević, Damir; Graovac, Ante. Algebarske Kekuleove strukture i redovi veza u benzenoidima // XIX. hrvatski skup kemičara i kemijskih inženjera 2005, Knjiga sažetaka.
- 8) Sedlar, Jelena; Anđelić, Ivana; Vukičević, Damir; Grovac, Ante; Gutman, Ivan. Algebraic Kekule structures and bond orders in benzenoids // Book of Abstracts MATH/CHEM/COMP 2005.

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- 9) Graovac, Ante; Vikić-Topić Dražen; Vukičević, Damir. On application of directed graphs in NMR spectroscopy // Book of Abstracts TOPMOL Conference 2006.
- 10) Vukičević, Damir. On the forcing, total forcing, anti-forcing and anti-Kekule numbers // Book of Abstracts TOPMOL conference 2006.
- 11) Sedlar, Jelena; Anđelić, Ivana; Gutman, Ivan; Vukičević, Damir; Graovac Ante. Vindicating the Pualing bond-order concept // Book of Abstracts Brijuni Conference Imaging in Space and Time 2006.
- 12) Došlić, Tomislav; Vukičević, Damir. Computing bipartite edge frustration of fullerene graphs // Book of Abstracts Math/Chem/Comp 2006.
- 13) Mircea, Diudea; Stefu, Monica; Vizitiu, Alexandru; Nagy, Csaba; Vukičević, Damir; Graovac, Ante. Strange fullerooids by map operations // Book of Abstracts Math/Chem/Comp 2006.
- 14) Vukičević, Damir. Thorny graph // Book of Abstracts Math/Chem/Comp 2006.

15) Vukičević, Damir; Vikić-Topić, Dražen; Graovac, Ante. On Application of Directed Graphs to NMR Spectroscopy // DU NMR 2006, The Fifth International DU NMR Course and Conference, Program and Book of Abstracts.

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- 16) Trinajstić, Nenad; Vukičević, Damir. Mathematical studies of Kekule structures // Book of Abstracts Mathematical methods in chemistry 2007.
- 17) Janežič, Dušanka; Miličević, Ante; Nikolić, Sonja; Trinajstić, Nenad; Vukičević, Damir. Zagreb indices, extension to weighted graphs representing molecules containing heteroatoms // Book of abstracts Math/Chem/Comp 2007.
- 18) Vukičević, Damir; Gutman, Ivan. On the valence connectivity in trees // Book of abstracts Math/Chem/Comp 2007.
- 19) Vukičević, Damir; Rajtmajer, Sarah, Michelle. Trees with maximal Zagreb index and prescribed number of vertices of given degree // Book of abstracts Math/Chem/Comp 2007.
- 20) Kutnar, Klavdija; Sedlar, Jelena; Vukičević, Damir. On the Anti-Kekulé number of leap-frog fullerenes // MATH/CHEM/COMP 2007.
- 21) Nikolić, Sonja; Trinajstić, Nenad; Vukičević, Damir. On the path matrices // Math/Chem/Comp 2007.
- 22) Sedlar, Jelena; Vukičević, Damir; Rajtmajer, Sarah Michelle. A Graph Theoretical Method for Partial Ordering of Alkanes // Mathematical Methods in Chemistry 2007.

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- 23) Vukičević Damir. On the edge degrees of trees // 4th Croatian mathematical congress, Abstracts 2008.
- 24) Caporossi, Gilles; Hansen, Pierre; Vukičević, Damir. Features of the system ChemoGraphX // Book of abstracts Math/Chem/Comp 2008.
- 25) Juretić, Davor; Vukičević, Damir; Bojović, Viktor; Lučić, Bono; Ilić, Nada. Design principles for peptide antibiotics // From Solid State to Biophysics, 4-th conference, 2008.
- 26) Juretić, D.; Vukičević, D.; Bojović, V.; Ilić, N.; Lučić, B. Design principles for peptide antibiotics and toxins // From Solid State to Biophysics, 4-th conference, 2008.
- 27) Vukičević, Damir; Pisanski, Tomaž. On the ratios of paths and walks in the graph // Book of abstracts Math/Chem/Comp 2008.
- 28) Sedlar, Jelena; Anđelić, Ivana; Vukičević, Damir; Graovac, Ante; Gutman, Ivan. On Fries and Clar Structures in Predicting Resonance Energies of Benzenoids // MATH/CHEM/COMP 2008.

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- 29) Caporossi, Gilles; Hansen, Pierre; Vukičević, Damir. New features of the system chemographix // Book of Abstracts Math/Chem/Comp 2009.
- 30) Vukičević, Damir; Gašperov, Marija. Adriatic descriptors - QSAR applications and mathematical properties // Book of Abstracts Math/Chem/Comp 2009.
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- 32) Juretić, Davor; Vukičević, Damir; Ilić, Nada; Bojović, Viktor; Tossi, Alessandro. Design optimisation of novel peptide antibiotics predicted to have high selectivity against G-negative bacteria // The 3rd Adriatic Meeting on Computational Solutions in the Life Sciences 2009.
- 33) Sedlar, Jelena; Vukičević, Damir; Aouchiche, Moustapha; Hansen, Pierre. Using order and size for bounding expression of graph invariants // MATH/CHEM/COMP 2009.
- 34) Caporossi, Gilles; Furtula, Boris; Vukičević, Damir. BenzoGraphiX - A Computer System for Studying Benzenoids // Book of Abstracts Math/Chem/Comp 2010.
- 35) Vukičević, Damir. Bond additive modeling - randomness vs. design // Book of abstracts Math/Chem/Comp 2010.
- 36) Vukičević, Damir; Rajtmajer, Sarah, Michele. Structure analysis and hub detection in complex networks // Book of Abstracts Math/Chem/Comp 2010.
- 37) Vukičević, Damir. Bond additive modeling // Visualization and Modeling in Chemistry 2010, Book of Abstracts.
- 38) Juretić, Davor; Vukičević, Damir; Ilić, Nada; Tossi, Alessandro. Designer Algorithm // AMP 2010 Book of Abstracts.
- 39) Juretić, Davor; Vukičević, Damir; Petrov, Dražen; Novković, Mario; Ilić, Nada; Antcheva, Nikolinka; Tossi, Alessandro. Computational methods for using known antimicrobial peptide sequences to identify or design novel non-homologous peptides // AMP 2010 Book of Abstracts.
- 40) Lučić, Bono; Bojović Viktor; Vukičević, Damir; Juretić, Davor. Positional specific amino acid attributes improve the computational design of antimicrobial peptides // Book of Abstracts AMP 2010.