Zlatko Mihalic

List of Publications by Year
in descending order

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46 papers	1,407 citations	471371 17 h-index	330025 37 g-index
48 all docs	48 docs citations	48 times ranked	952 citing authors

#	Article	IF	Citations
1	Experimental and Theoretical IR Spectra of 2-Nitrosopyridines. Croatica Chemica Acta, 2021, 93, .	0.1	0
2	Impact of the Î±-Ferrocenyl Group on the Solvolytic Reactivity - Electrofugality - of Ferrocenylphenylmethyl Cations. European Journal of Organic Chemistry, 2019, 2019, 537-546.	1.2	4
3	Quantum Chemical Calculations of Monomerâ€“Dimer Equilibria of Aromatic C-Nitroso Compounds. Journal of Physical Chemistry A, 2018, 122, 2542-2549.	1.1	8
4	Structural diversity of the Ag coordination sphere in complexes of silver(I) nitrate with 3-halopyridine. Characterization of the complexes in solution and in the solid state. Polyhedron, 2016, 109, 166-175.	1.0	6
5	Structure and topochemistry of azodioxide oligomers in solid state. Journal of Molecular Structure, 2016, 1104, 85-90.	1.8	11
6	Comparison of DFT Methods for the Investigation of the Reduction Mechanisms of Aromatic Nitro- and Nitroso Compounds. Croatica Chemica Acta, 2016, 89, 31-35.	0.1	2
7	1â€²-Acetylferrocene amino acid esters and amides. A simple model for parallel Î²-helical peptides. Tetrahedron, 2014, 70, 2330-2342.	1.0	9
8	Synthesis, structure and tautomerism of two benzothiazolyl azo derivatives of 2-naphthol: A crystallographic, NMR and computational study. Dyes and Pigments, 2013, 96, 672-678.	2.0	31
9	Vibrational spectroscopic and DFT calculation studies of cobalt(II) complexes with 3-hydroxypicolinic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 101, 273-282.	2.0	6
10	Synthesis and Conformational Analysis of Methyl Nâ€Alanylâ€1â€²â€aminoferroceneâ€1â€carboxylate. European Journal of Inorganic Chemistry, 2012, 2012, 1810-1822.	1.0	17
11	Preparation, structural, spectroscopic, thermal and DFT characterization of cadmium(II) complexes with quinaldic acid. Inorganica Chimica Acta, 2011, 378, 154-162.	1.2	14
12	New pentacyclic ring systems: intramolecular cyclization of o,oâ€²-disubstituted bibenzothiazoles. Tetrahedron, 2011, 67, 2760-2767.	1.0	10
13	Hydrogen and halogen bonding patterns and Ï€â€“Ï€ aromatic interactions of some 6,7-disubstituted 1,3-benzothiazoles studied by X-ray diffraction and DFT calculations. Journal of Molecular Structure, 2010, 975, 115-127.	1.8	5
14	Preparation and Conformation Analysis of Nâ€(Ferrocenoyl)dipeptide Esters and Their 1â€²â€Acetyl Derivatives. European Journal of Organic Chemistry, 2010, 2010, 2512-2524.	1.2	16
15	Nitrosobenzene cross-dimerization: Structural selectivity in solution and in solid state. Journal of Molecular Structure, 2010, 979, 22-26.	1.8	13
16	Cisâ€“trans isomerism in cobalt(II) complexes with 3-hydroxypicolinic acid. Structural, DFT and thermal studies. Inorganica Chimica Acta, 2010, 363, 1887-1896.	1.2	12
17	Reaction of Trimethylsilylacetylenes with Antimony Pentafluoride under Matrix Isolation Conditions: Experimental and Computational Study. Journal of Organic Chemistry, 2010, 75, 6969-6972.	1.7	5
18	Synthesis of new amidino-substituted 2-aminothiophenoles: mild basic ring opening of benzothiazole. Tetrahedron, 2008, 64, 11594-11602.	1.0	26

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19	Pivaloylated glucoconjugates with heterocyclic oximes. Structural Chemistry, 2006, 17, 337-346.	1.0	3
20	Solid-State Reaction Mechanisms in Monomerâ^'Dimer Interconversions ofp-Bromonitrosobenzene. Single-Crystal-to-Single-Crystal Photodissociation and Formation of New Non-van der Waals Close Contacts. Journal of Organic Chemistry, 2005, 70, 8461-8467.	1.7	33
21	Exploring the potential energy surface for proton transfer in acetylacetone. Chemical Physics, 2004, 306, 201-207.	0.9	31
22	Solvolysis of 1,1-Dimethyl-4-Alkenyl Chlorides:Â Evidence for Ï€-Participation. Journal of Organic Chemistry, 2002, 67, 1490-1495.	1.7	8
23	Oxime rearrangements: ab initio calculations and reactions in the solid state. Perkin Transactions II RSC, 2002, , 2154-2158.	1.1	2
24	2-Chloroallyl Cation. Structure, FT-IR Spectra, and Matrix Isolation. Journal of Organic Chemistry, 1999, 64, 4931-4934.	1.7	6
25	Lyotropic Liquid Crystalline Phases from Symmetric Double-Tailed Surfactants: Sodium 1â€²-(6)-Undecylbenzenesulfonate, 1â€²-(7)-Tridecylbenzenesulfonate, and 1â€²-(8)- Pentadecylbenzenesulfonate in Water. Journal of Colloid and Interface Science, 1998, 208, 129-136.	5.0	3
26	The Detour Matrix in Chemistryâ€. Journal of Chemical Information and Computer Sciences, 1997, 37, 631-638.	2.8	37
27	Excitation spectra for degenerate rearrangements. Computational and Theoretical Chemistry, 1995, 341, 157-164.	1.5	3
28	Notes on isocodal graphs. Journal of Chemical Information and Computer Sciences, 1995, 35, 871-873.	2.8	3
29	The walk ID number revisited. [Erratum to document cited in CA118:146918]. Journal of Chemical Information and Computer Sciences, 1995, 35, 786-786.	2.8	0
30	Benzenoid graphs with equal maximum eigenvalues. Journal of Mathematical Chemistry, 1994, 15, 407-407.	0.7	1
31	A note on the number of spanning trees in buckminsterfullerene. International Journal of Quantum Chemistry, 1994, 52, 525-528.	1.0	2
32	Generation of the Parent Allyl Cation in a Superacid Cryogenic Matrix. Angewandte Chemie International Edition in English, 1994, 33, 448-451.	4.4	43
33	Erzeugung des Allylâ€Kations in supersaurer Tieftemperaturâ€Matrix. Angewandte Chemie, 1994, 106, 470-473.	1.6	9
34	Graphical bond orders: Novel structural descriptors. Journal of Chemical Information and Computer Sciences, 1994, 34, 403-409.	2.8	21
35	The Laplacian matrix in chemistry. Journal of Chemical Information and Computer Sciences, 1994, 34, 368-376.	2.8	73
36	On the Harary index for the characterization of chemical graphs. Journal of Mathematical Chemistry, 1993, 12, 235-250.	0.7	315

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37	Errata. The Walk ID Number Revisited. Journal of Chemical Information and Computer Sciences, 1993, 33, 797-797.	2.8	6
38	The walk ID number revisited. Journal of Chemical Information and Computer Sciences, 1993, 33, 231-233.	2.8	16
39	Comparative study of molecular descriptors derived from the distance matrix. Journal of Chemical Information and Computer Sciences, 1992, 32, 28-37.	2.8	134
40	A graph-theoretical approach to structure-property relationships. Journal of Chemical Education, 1992, 69, 701.	1.1	201
41	Molecular topological index: a relation with the Wiener index. Journal of Chemical Information and Computer Sciences, 1992, 32, 304-305.	2.8	60
42	The distance matrix in chemistry. Journal of Mathematical Chemistry, 1992, 11, 223-258.	0.7	115
43	Application of topographic indices to chromatographic data: calculation of the retention indices of alkanes. Journal of Chromatography A, 1991, 540, 430-440.	1.8	21
44	The algebraic modelling of chemical structures: On the development of three-dimensional molecular descriptors. Computational and Theoretical Chemistry, 1991, 232, 65-78.	1.5	21
45	On the geometric-distance matrix and the corresponding structural invariants of molecular systems. Chemical Physics Letters, 1991, 179, 21-28.	1.2	35
46	Neighboring sulfur participation in the solvolysis of 2-(Ï‰-alkylthioalkyl)-3-methyl-2-cyclohexenyl p-nitrobenzoates. Tetrahedron Letters, 1986, 27, 1703-1706.	0.7	8