Zoran Zdravkovski

List of Publications by Year
in descending order

48 papers	934 citations	516710 16 h-index	454955 30 g-index
48 all docs	48 docs citations	48 times ranked	650 citing authors

#	Article	IF	Citations
1	DFT study of the Dielsâ€“Alder reactions between ethylene with buta-1,3-diene and cyclopentadiene. Journal of the Chemical Society Perkin Transactions II, 1995, , 1223-1226.	0.9	145
2	A Simple Preparation of Amides from Acids and Amines by Heating of Their Mixture. Synthetic Communications, 1993, 23, 2761-2770.	2.1	125
3	Theoretical investigation ofcis- andtrans-nitric oxide dimers with ab initio and density functional Gaussian-type orbital approach. International Journal of Quantum Chemistry, 1995, 54, 161-166.	2.0	98
4	Rates of hydrolysis of N-acetylazoles: semiempirical calculations compared to experimental values. Computational and Theoretical Chemistry, 1994, 303, 177-183.	1.5	54
5	Molecular modeling methodology of Î²-cyclodextrin inclusion complexes. Computational and Theoretical Chemistry, 1996, 366, 113-117.	1.5	42
6	Degradation and mineralization of sulcotrione and mesotrione in aqueous medium by the electro-Fenton process: a kinetic study. Environmental Science and Pollution Research, 2012, 19, 1563-1573.	5.3	42
7	Theoretical investigation of the conrotatory ring opening of cyclobutene and 1, 2-dihydro-1, 2-diazacyclobutadienes with ab initio and density functional Gaussian-type-orbital approach. International Journal of Quantum Chemistry, 1995, 56, 115-123.	2.0	41
8	Comparison of AM1 and PM3 semiempirical to ab initio methods in the study of Diels-Alder reactions of butadiene and cyclopentadiene with cyanoethylenes. Computational and Theoretical Chemistry, 1994, 309, 249-257.	1.5	32
9	The utility of the PM3 method for predicting the reactivities of cyanoethenes in dielsâ€alder reactions with pyrrole. Journal of Heterocyclic Chemistry, 1994, 31, 1429-1432.	2.6	24
10	Theoretical Study of the BH3-Catalyzed Hetero Diels-Alder Reaction between Ethylene and Nitrosoethylene. Journal of Organic Chemistry, 1995, 60, 3163-3168.	3.2	23
11	Supercritical Fluid Extraction of Quercetin and Rutin from Hyperici Herba. Journal of Liquid Chromatography and Related Technologies, 2003, 26, 2517-2533.	1.0	22
12	AB initio calculations of Diels-Alder transition structures for hetero-dienophile additions to cyclopentadiene. Journal of Physical Organic Chemistry, 1994, 7, 641-645.	1.9	19
13	Theoretical Study of the Reactivity and Stereoselectivity of Heterodienophile Addition to 1,3,4-Oxadiazole. Journal of Organic Chemistry, 1994, 59, 3015-3019.	3.2	19
14	Semiempirical and ab initio study of 1,3-dipolar addition of azide anion to organic cyanides. Computational and Theoretical Chemistry, 1994, 312, 11-22.	1.5	18
15	Semiempirical and ab initio transition state calculations for the transformation of N-acetyltetrazoles into corresponding 1,3,4-oxadiazoles. Computational and Theoretical Chemistry, 1994, 309, 241-247.	1.5	17
16	Ab initio study of heterodienophile addition to oxazole. Journal of the Chemical Society Perkin Transactions II, 1994, , 1877.	0.9	16
17	Reaction of Imidazoles with Ethylene and Singlet Oxygen. An ab Initio Theoretical Study. Journal of Organic Chemistry, 1995, 60, 2865-2869.	3.2	16
18	Rapid and simple method for direct determination of several amphetamines in seized tablets by GCâ€“FID. Forensic Science International, 2005, 152, 199-203.	2.2	15

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19	PM3 study of the stereochemistry of heterodienophile cycloadditions to pyrrole: endo lone pair effect. Computational and Theoretical Chemistry, 1995, 332, 39-45.	1.5	13
20	Ab initio transition structures for hetero Diels-Alder cycloadditions to furan. Computational and Theoretical Chemistry, 1995, 331, 215-221.	1.5	12
21	Bioluminescence determination of enzyme activity of firefly luciferase in the presence of pesticides. Luminescence, 2005, 20, 192-196.	2.9	12
22	Why is tetrazole not practical as a diene in Dielsâ€"Alder reactions? An ab initio theoretical study. Computational and Theoretical Chemistry, 1995, 337, 9-16.	1.5	11
23	Theoretical study of the Dielsâ€“Alder reaction between the S-methylthiophenium ion and ethene. Journal of the Chemical Society Perkin Transactions II, 1996, , 455-459.	0.9	11
24	Determination of enantiomeric composition of 2-phenyl-2-(2-piperidyl)acetamide. A routine method for evaluation of enantiomeric purity of primary amides. Tetrahedron: Asymmetry, 1994, 5, 1711-1716.	1.8	10
25	PM3-CI calculation of Diels-Alder transition structures of hetero dienophile addition to butadiene: comparison with PM3 and ab initio generated transition structures. Computational and Theoretical Chemistry, 1994, 315, 85-90.	1.5	10
26	Theoretical Study of Ethylene and Vinyl Alcohol Addition to 1,4-Dioxa-1,3-butadiene. Journal of Organic Chemistry, 1994, 59, 7732-7736.	3.2	10
27	Diels-Alder transition structures of hetero-dienophile addition to 4H-pyrazole calculated by ab initio methods. Computational and Theoretical Chemistry, 1995, 331, 229-234.	1.5	9
28	Anab initio study of heterodienophiles addition to 2,3-diaza-1,3-butadiene: An example of endo-lone-pair effect on the reaction energy barrier. Journal of Computational Chemistry, 1996, 17, 298-305.	3.3	8
29	PM3 calculations of Diels-Alder reactions of â€œpull-pushâ€•activated isoprenes with aceto- and acrylonitrile. Tetrahedron, 1994, 50, 10379-10390.	1.9	7
30	AB initio study of Diels-Alder reactions of 1,3,4-oxadiazole with ethylene, acrylonitrile, maleonitrile, fumaronitrile and 1,1-dicyanoethylene. Inverse order and ratio ofendo/exo reactivity. Journal of Physical Organic Chemistry, 1994, 7, 634-640.	1.9	7
31	Determination of dimethoate, 2,4-dichlorophenoxy acetic acid, mecoprop and linuron pesticides in environmental waters in Republic of Macedonia by high performance liquid chromatography. Macedonian Journal of Chemistry and Chemical Engineering, 2013, 27, 25.	0.6	6
32	Application of the electro-Fenton process to mesotrione aqueous solutions: Kinetics, degradation pathways, mineralization and evolution of the toxicity. Macedonian Journal of Chemistry and Chemical Engineering, 2014, 33, 121.	0.6	6
33	Role of the Polymer Backbone in the Oxidative Properties of Polymer-Supported Dichromate. Synthetic Communications, 1989, 19, 1317-1324.	2.1	5
34	On the Formation of Peptide Bonds. Journal of Chemical Education, 1993, 70, 134.	2.3	5
35	Molecular mechanics calculations and comparison of proton, fluorine, and carbon NMR diastereomer discrimination via nonbonding interactions between fluorine-labeled enantiomeric amides and enantiomerically pure chiral solvating agents. Journal of Organic Chemistry, 1993, 58, 5245-5250.	3.2	5
36	Ab initio study of the 1,3-cycloaddition of methyl azide to fluorinated acetonitriles. Computational and Theoretical Chemistry, 1995, 333, 209-214.	1.5	5

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37	Theoretical study of azide anion addition to nonpolar and polar double and triple bonds. Computational and Theoretical Chemistry, 1995, 343, 149-155.	1.5	3
38	Tetrafluoroberyllate(2-) Ions as Hydrogen-Bond Proton Acceptors: Spectroscopic Evidence. Spectroscopy Letters, 1996, 29, 867-875.	1.0	2
39	The theoretical study of a borane catalyzed azide anion addition to fluorinated acetonitriles. Computational and Theoretical Chemistry, 1997, 389, 69-74.	1.5	2
40	Theoretical study of the Dielsâ€“Alder reactions of benzene with fluorinated dienophiles. Computational and Theoretical Chemistry, 2004, 684, 99-102.	1.5	2
41	Theoretical Study of the Diastereofacial Isomers of Aldrin and Dieldrin. International Journal of Molecular Sciences, 2006, 7, 35-46.	4.1	2
42	Using MathCAD in chemistry calculations. Journal of Chemical Education, 1991, 68, A95.	2.3	1
43	Calculations of boron trifluoride catalyzed 1,3-dipolar additions of azide ion to organic nitriles. Computational and Theoretical Chemistry, 1995, 332, 127-135.	1.5	1
44	Development of a trap for fuel exhaust particulate matter under driving conditions and GC-MS method for their analysis. Macedonian Journal of Chemistry and Chemical Engineering, 2012, 30, 97.	0.6	1
45	Preparation and characterization of deuterated crystalohydrates: An undergraduate inorganic or spectroscopic experiment. Journal of Chemical Education, 1993, 70, 603.	2.3	0
46	Stopper with Interchangeable Septa for SPME. Journal of Chemical Education, 2009, 86, 924.	2.3	0
47	Macedonian journal of chemistry and chemical engineering: open journal systems--editor's perspective. Prilozi - Makedonska Akademija Na Naukite I Umetnostite Oddelenie Za Medicinski Nauki, 2014, 35, 51-5.	0.5	0
48	Elementary, my dear Watson! The making of a collection of the natural elements. Macedonian Journal of Chemistry and Chemical Engineering, 2022, 41, .	0.6	0