Zoran Glasovac

List of Publications by Year in descending order

33 papers	547 citations	759233 12 h-index	642732 23 g-index
35 all docs	35 docs citations	35 times ranked	466 citing authors

#	Article	IF	Citations
1	Consecutive Utilization of Mechanochemical and Microwave Methods for the Synthesis of Bocâ€2â€aminoâ€quinazolinâ€4(3H)â€ones and DFT Study of Mechanism 6Ï€â€Diazaelectrocyclization Process. ChemistrySelect, 2022, 7, .	1.5	2
2	Gas-phase basicity of cyclic guanidine derivatives â€“ a DFT study. New Journal of Chemistry, 2021, 45, 2384-2392.	2.8	5
3	Cycloaddition of Thiourea- and Guanidine-Substituted Furans to Dienophiles: A Comparison of the Environmentally-Friendly Methods. Chemistry Proceedings, 2021, 3, 57.	0.1	2
4	Guanidino-aryl derivatives: protonation and structure tuning for spectrophotometric recognition of ds-DNA and ds-RNA. New Journal of Chemistry, 2020, 44, 11537-11545.	2.8	0
5	Organometallic ruthenium(II)-arene complexes with triphenylphosphine amino acid bioconjugates: Synthesis, characterization and biological properties. Bioorganic Chemistry, 2019, 87, 432-446.	4.1	15
6	The utilization of ball milling in synthesis of aryl guanidines through guanidinylation and N-Boc-deprotection sequence. Tetrahedron, 2019, 75, 109-115.	1.9	12
7	Gas phase basicity of biguanides â€“ Comparison of the equilibrium and the kinetic methods. International Journal of Mass Spectrometry, 2019, 435, 61-68.	1.5	9
8	â€œBackdoor Inductionâ€•of Chirality: Transâ€1,2â€cyclohexanediamine as Key Building Block for Asymmetric Hydrogenation Catalysts. European Journal of Organic Chemistry, 2019, 2019, 2115-2128.	2.4	13
9	Benzoylguanidines as Anionâ€Responsive Systems. ChemPlusChem, 2018, 83, 845-854.	2.8	4
10	Correlation Method for Conversion Determination of Biodiesel Obtained from Different Alcohols by 1H NMR Spectroscopy. Energy & Fuels, 2017, 31, 3943-3948.	5.1	15
11	Insights on the Auxochromic Properties of the Guanidinium Group. Journal of Physical Chemistry A, 2016, 120, 7088-7100.	2.5	15
12	Effect of Intramolecular Hydrogen Bonds on the Gas-Phase Basicity of Guanidines. Australian Journal of Chemistry, 2014, 67, 1056.	0.9	7
13	The Utility of 1,5,7-triazabicyclo[4.4.0]dec-5-ene (TBD) as a Hydrogen Bond Acceptor in the Design of Novel Superbasic Guanidines â€“ A Computational Study. Croatica Chemica Acta, 2014, 87, 423-430.	0.4	3
14	Guanidine and guanidinium cation in the excited stateâ€”theoretical investigation. Journal of Chemical Physics, 2014, 141, 074307.	3.0	5
15	â€œBackdoor Inductionâ€•of Chirality: Asymmetric Hydrogenation with Rhodium(I) Complexes of Triphenylphosphane-Substituted Î²-Turn Mimetics. Organometallics, 2014, 33, 4005-4015.	2.3	21
16	Toward extension of the gas-phase basicity scale by novel pyridine containing guanidines. International Journal of Mass Spectrometry, 2013, 354-355, 113-122.	1.5	20
17	Synthesis of Highly Basic Hexasubstituted Biguanides by Environmentally Friendly Methods. Synlett, 2013, 24, 2540-2544.	1.8	24
18	Triguanide Derivatives: Synthesis, Crystal Structure and Evaluation of the Proliferation Effect on Some Tumor Cell Lines. European Journal of Organic Chemistry, 2012, 2012, 6785-6797.	2.4	8

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19	Reactions of Dimethyl Carbonate with Aliphatic Amines Under High Pressure. Synthetic Communications, 2011, 41, 2283-2289.	2.1	5
20	Zwitterionic structures of strained cis-pyramidalized disilenes: fact or artifact. Theoretical Chemistry Accounts, 2009, 124, 421-430.	1.4	8
21	Basicity of organic bases and superbases in acetonitrile by the polarized continuum model and DFT calculations. New Journal of Chemistry, 2009, 33, 588-597.	2.8	72
22	Gas-phase proton affinities of guanidines with heteroalkyl side chains. International Journal of Mass Spectrometry, 2008, 270, 39-46.	1.5	36
23	Basicity of Guanidines with Heteroalkyl Side Chains in Acetonitrile. European Journal of Organic Chemistry, 2008, 2008, 5176-5184.	2.4	51
24	Synthesis and properties of novel guanidine bases. N,Nâ€²,Nâ€³-Tris(3-dimethylaminopropyl)-guanidine. Tetrahedron Letters, 2005, 46, 8733-8736.	1.4	39
25	Ab initiostudy of the effect of Î±-substituents on the acidity of cyclopropabenzene. Journal of Physical Organic Chemistry, 2005, 18, 763-772.	1.9	4
26	Cycloproparenyl anions: From models to real systems. Pure and Applied Chemistry, 2005, 77, 1835-1850.	1.9	4
27	Ab initio MO and DFT study of syn-sesquinorbornatrienyl dication and its isoelectronic boron analogueElectronic supplementary information (ESI) available: bond distances and bond angles of structures 6a, 6c, 7a and 7c calculated at the MP2/6-31+G* and B3LYP/6-31G* levels of theory (Table S1). See http://www.rsc.org/suppdata/nj/b4/b403802a/. New Journal of Chemistry, 2004, 28, 880.	2.8	7
28	A DFT study of pyramidalized alkenes: 7-oxasesquinorbornenes and 7,7?-dioxasesquinorbornenes. Theoretical Chemistry Accounts, 2003, 109, 182-189.	1.4	8
29	syn-Sesquinorbornenyl carbocations and their boron analogues: an ab initio and DFT study. Perkin Transactions II RSC, 2002, , 2057-2063.	1.1	5
30	Gas phase formation of 1-phenylcyclobuten-3-yl and 1-phenylallyl anions and a determination of the allylic Câ€“H acidities and bond dissociation energies of 1-phenylcyclobutene and (E)-1-phenylpropene. Perkin Transactions II RSC, 2002, , 410-415.	1.1	4
31	Predicted high proton affinity of poly-2,5- dihydropyrrolimines?the aromatic domino effect. Journal of Physical Organic Chemistry, 2002, 15, 499-508.	1.9	49
32	The intramolecular hydrogen bond and intrinsic proton affinity of neutral organic molecules:N,N ?,N ?-tris (3-aminopropyl)guanidine and some related systems. Journal of Physical Organic Chemistry, 2002, 15, 765-774.	1.9	62
33	The Millsâ€“Nixon effect and chemical reactivityâ€”methyl cation affinity of some cycloalkabenzenes. Perkin Transactions II RSC, 2001, , 1091-1098.	1.1	13