

Zoran Glasovac

List of Publications by Year in descending order

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33
papers

547
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759233

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35
all docs

35
docs citations

35
times ranked

466
citing authors

#	ARTICLE	IF	CITATIONS
1	Basicity of organic bases and superbases in acetonitrile by the polarized continuum model and DFT calculations. <i>New Journal of Chemistry</i> , 2009, 33, 588-597.	2.8	72
2	The intramolecular hydrogen bond and intrinsic proton affinity of neutral organic molecules: N,N',N''-tris (3-aminopropyl)guanidine and some related systems. <i>Journal of Physical Organic Chemistry</i> , 2002, 15, 765-774.	1.9	62
3	Basicity of Guanidines with Heteroalkyl Side Chains in Acetonitrile. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5176-5184.	2.4	51
4	Predicted high proton affinity of poly-2,5- dihydropyrrolimines?the aromatic domino effect. <i>Journal of Physical Organic Chemistry</i> , 2002, 15, 499-508.	1.9	49
5	Synthesis and properties of novel guanidine bases. N,N,N'-Tris(3-dimethylaminopropyl)-guanidine. <i>Tetrahedron Letters</i> , 2005, 46, 8733-8736.	1.4	39
6	Gas-phase proton affinities of guanidines with heteroalkyl side chains. <i>International Journal of Mass Spectrometry</i> , 2008, 270, 39-46.	1.5	36
7	Synthesis of Highly Basic Hexasubstituted Biguanides by Environmentally Friendly Methods. <i>Synlett</i> , 2013, 24, 2540-2544.	1.8	24
8	“Backdoor Induction” of Chirality: Asymmetric Hydrogenation with Rhodium(I) Complexes of Triphenylphosphane-Substituted β^2 -Turn Mimetics. <i>Organometallics</i> , 2014, 33, 4005-4015.	2.3	21
9	Toward extension of the gas-phase basicity scale by novel pyridine containing guanidines. <i>International Journal of Mass Spectrometry</i> , 2013, 354-355, 113-122.	1.5	20
10	Insights on the Auxochromic Properties of the Guanidinium Group. <i>Journal of Physical Chemistry A</i> , 2016, 120, 7088-7100.	2.5	15
11	Correlation Method for Conversion Determination of Biodiesel Obtained from Different Alcohols by ^1H NMR Spectroscopy. <i>Energy & Fuels</i> , 2017, 31, 3943-3948.	5.1	15
12	Organometallic ruthenium(II)-arene complexes with triphenylphosphine amino acid bioconjugates: Synthesis, characterization and biological properties. <i>Bioorganic Chemistry</i> , 2019, 87, 432-446.	4.1	15
13	The Mills “Nixon effect and chemical reactivity” methyl cation affinity of some cycloalkabenzenes. <i>Perkin Transactions II RSC</i> , 2001, , 1091-1098.	1.1	13
14	“Backdoor Induction” of Chirality: Trans-1,2-cyclohexanediamine as Key Building Block for Asymmetric Hydrogenation Catalysts. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2115-2128.	2.4	13
15	The utilization of ball milling in synthesis of aryl guanidines through guanidinylation and N-Boc-deprotection sequence. <i>Tetrahedron</i> , 2019, 75, 109-115.	1.9	12
16	Gas phase basicity of biguanides “ Comparison of the equilibrium and the kinetic methods. <i>International Journal of Mass Spectrometry</i> , 2019, 435, 61-68.	1.5	9
17	A DFT study of pyramidalized alkenes: 7-oxasesquinorbornenes and 7,7'-dioxasesquinorbornenes. <i>Theoretical Chemistry Accounts</i> , 2003, 109, 182-189.	1.4	8
18	Zwitterionic structures of strained cis-pyramidalized disilenes: fact or artifact. <i>Theoretical Chemistry Accounts</i> , 2009, 124, 421-430.	1.4	8

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19	Triguanide Derivatives: Synthesis, Crystal Structure and Evaluation of the Proliferation Effect on Some Tumor Cell Lines. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6785-6797.	2.4	8
20	Ab initio MO and DFT study of syn-sesquinorbornatrienyl dication and its isoelectronic boron analogue. Electronic 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/ . <i>New Journal of Chemistry</i> , 2004, 28, 880.	2.8	7
21	Effect of Intramolecular Hydrogen Bonds on the Gas-Phase Basicity of Guanidines. <i>Australian Journal of Chemistry</i> , 2014, 67, 1056.	0.9	7
22	syn-Sesquinorbornenyl carbocations and their boron analogues: an ab initio and DFT study. <i>Perkin Transactions II RSC</i> , 2002, , 2057-2063.	1.1	5
23	Reactions of Dimethyl Carbonate with Aliphatic Amines Under High Pressure. <i>Synthetic Communications</i> , 2011, 41, 2283-2289.	2.1	5
24	Guanidine and guanidinium cation in the excited state – theoretical investigation. <i>Journal of Chemical Physics</i> , 2014, 141, 074307.	3.0	5
25	Gas-phase basicity of cyclic guanidine derivatives – a DFT study. <i>New Journal of Chemistry</i> , 2021, 45, 2384-2392.	2.8	5
26	Gas phase formation of 1-phenylcyclobuten-3-yl and 1-phenylallyl anions and a determination of the allylic C-H acidities and bond dissociation energies of 1-phenylcyclobutene and (E)-1-phenylpropene. <i>Perkin Transactions II RSC</i> , 2002, , 410-415.	1.1	4
27	Ab initio study of the effect of \pm -substituents on the acidity of cyclopropabenzene. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 763-772.	1.9	4
28	Benzoylguanidines as Anion-Responsive Systems. <i>ChemPlusChem</i> , 2018, 83, 845-854.	2.8	4
29	Cycloproparenyl anions: From models to real systems. <i>Pure and Applied Chemistry</i> , 2005, 77, 1835-1850.	1.9	4
30	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 – A Computational Study. <i>Croatica Chemica Acta</i> , 2014, 87, 423-430.	0.4	3
31	Cycloaddition of Thiourea- and Guanidine-Substituted Furans to Dienophiles: A Comparison of the Environmentally-Friendly Methods. <i>Chemistry Proceedings</i> , 2021, 3, 57.	0.1	2
32	Consecutive Utilization of Mechanochemical and Microwave Methods for the Synthesis of Boc-2-aminoquinazolin-4(3 <i>H</i>)-ones and DFT Study of Mechanism of Diazaelectrocyclization Process. <i>ChemistrySelect</i> , 2022, 7, .	1.5	2
33	Guanidino-aryl derivatives: protonation and structure tuning for spectrophotometric recognition of ds-DNA and ds-RNA. <i>New Journal of Chemistry</i> , 2020, 44, 11537-11545.	2.8	0