

Ryszard B Nazarski

List of Publications by Year in descending order

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35
papers

337
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759233

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#	ARTICLE	IF	CITATIONS
1	Summary of DFT calculations coupled with current statistical and/or artificial neural network (ANN) methods to assist experimental NMR data in identifying diastereomeric structures. <i>Tetrahedron Letters</i> , 2021, 71, 152548.	1.4	15
2	Unexpected Rearrangement of Dilithiated Isoindoline-1,3-diols into 3-Aminoindan-1-ones via <i>N</i> -Lithioaminoarylcarbenes: A Combined Synthetic and Computational Study. <i>Journal of Organic Chemistry</i> , 2019, 84, 11425-11440.	3.2	7
3	Shortfall of B3LYP in Reproducing NMR $^1\text{J}_{\text{CH}}$ Couplings in Some Isomeric Epoxy Structures with Strong Stereoelectronic Effects: A Benchmark Study on DFT Functionals. <i>ChemPhysChem</i> , 2018, 19, 631-642.	2.1	12
4	A Benefit of Using the IDSCRF- over UFF-Radii Cavities and Why Joint Correlations of NMR Chemical Shifts Can Be Advantageous: Condensed Pyridines as an IEF-PCM/GIAO/DFT Case Study. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9519-9528.	2.5	7
5	Multi-conformer molecules in solutions: an NMR-based DFT/MP2 conformational study of two glucopyranosides of a vitamin E model compound. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3142-3158.	2.8	17
6	^{13}C longitudinal relaxation time measurements and DFT-GIAO NMR computations for two ammonium ions of a tetraazamacrocyclic scorpion system. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 78, 299-310.	1.6	7
7	Flash Vacuum Thermolysis of <i>N</i> -(3- and 4-pyridylmethylidene) <i>tert</i> -butylamines: Mechanisms of Formation of Pyrrolopyridines and Naphthyridines. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3020-3027.	2.4	8
8	$^1\text{J}_{\text{CH}}$ couplings in Group 14/IVA tetramethyls from the gas-phase NMR and DFT structural study: a search for the best computational protocol. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15699-15708.	2.8	10
9	Dynamic ^1H NMR spectroscopic study of hindered internal rotation in selected <i>N,N</i> -dialkyl isonicotinamides: an experimental and DFT analysis. <i>Tetrahedron</i> , 2013, 69, 8147-8154.	1.9	17
10	Synthesis and Biological Evaluation of New Bischromone Derivatives with Antiproliferative Activity. <i>Archiv Der Pharmazie</i> , 2013, 346, 34-43.	4.1	20
11	Sucrose transport is inhibited by okadaic acid during regeneration of sugar-starved <i>Vicia faba</i> root meristem cells. <i>Journal of Plant Physiology</i> , 2013, 170, 397-405.	3.5	1
12	Three-component conformational equilibria of some flexible pyrrolidin-2-(thi)ones in solution by NMR data ($^1\text{J}_{\text{C}}$, $^1\text{J}_{\text{H}}$, and $n\text{J}_{\text{HH}}$) and their DFT predictions: a confrontation of different approaches. <i>Tetrahedron</i> , 2011, 67, 6901-6916.	1.9	16
13	Physical Image vs. Structure Relation, Part 131: Calculational Evidences for the 2h J_{PH} Spin-Coupling in Internally H-Bonded Isomers of Some 1-Oxoalkanephosphonate Hydrazones. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2009, 184, 1036-1046.	1.6	8
14	Physical image versus structure relation. Part 14: an attempt to rationalize some acidic region ^{13}C NMR pH titration shifts for tetraaza macrocycles throughout the conformational GIAO DFT computational results: a pendant arm cyclam case. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 834-844.	1.9	14
15	Cyclisation at very high temperature. Thermal transformations of <i>N</i> -alkyl and <i>N,N</i> -dialkyl amides of β,β' -unsaturated acids into mono- and bicyclic heterocycles under FVT conditions. <i>Tetrahedron</i> , 2009, 65, 6364-6369.	1.9	15
16	Flash vacuum thermolysis generation and a UV-photoelectron spectroscopy study of the <i>N</i> -substituted iminoacetonitriles. <i>Tetrahedron</i> , 2009, 65, 9322-9327.	1.9	10
17	Synthesis of aryliminoacetonitriles under FVT conditions or by dehydrogenation of arylaminoacetonitriles: an NMR and UV-photoelectron spectroscopy study. <i>Tetrahedron</i> , 2009, 65, 10581-10589.	1.9	15
18	Physical image vs structure relation: part 12 - structure of 2,2,5,5-tetramethyl-dihydro-furan-3-one oxime and its protonated forms through isomerization and NMR spectra. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 422-430.	1.9	8

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19	Catalysis of the Reaction of Cholesteryl Acetate with 4-Phenyl-1,2,4-triazoline-3,5-dione by Lithium Perchlorate. <i>Synthetic Communications</i> , 2005, 35, 1059-1066.	2.1	5
20	Tributyltin hydride-mediated cyclisations of cinnamic enamides to piperidin-2-ones or pyrrolidin-2-ones. Indolizidinone ring formation by tandem radical cyclisation. <i>Tetrahedron</i> , 2004, 60, 8181-8188.	1.9	21
21	Synthesis, complete NMR assignments, and NOE versus GIAO data assisted ab initio modelling the overall conformations of amide 3,4-diquinoliny sulfides in solution. Another approach to analysis of flexible systems. <i>Tetrahedron</i> , 2004, 60, 9213-9222.	1.9	11
22	Studies on the catalysis of the reaction of organotin phenoxides with bis(2,2,2-trichloroethyl) azodicarboxylate by lithium perchlorate. <i>Applied Organometallic Chemistry</i> , 2004, 18, 398-400.	3.5	10
23	Tributyltin Hydride Mediated Cyclizations of Cinnamic Enamides to Piperidin-2-ones or Pyrrolidine-2-ones. Indolizidinone Ring Formation by Tandem Radical Cyclization.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
24	[(Diphenoxyphosphinyl)methylidene]triphenylphosphorane—the double P+-stabilised carbanion: a crystallographic, computational and solution NMR comparative study on the ylidic bonding. <i>Tetrahedron</i> , 2003, 59, 7681-7693.	1.9	12
25	Assignment of pH-dependent NMR spectra of the scorpiand macrocycle: an application of titration profiles and spectral linewidths. <i>Magnetic Resonance in Chemistry</i> , 2003, 41, 70-74.	1.9	12
26	Rationalization of the stereochemistry of an addition of dialkyl phosphites to certain chiral aldimines: The experimental and theoretical approach. <i>Heteroatom Chemistry</i> , 2002, 13, 120-125.	0.7	11
27	Diastereomeric amides from rac-3,3,4,4-tetramethyl-1,1-diphosphaferrocene-2-carboxylic acid and (S)-1-phenylethylamine: separation and determination of absolute configuration. <i>Journal of Organometallic Chemistry</i> , 2001, 627, 135-138.	1.8	11
28	Stereoselective Synthesis of Chiral (2-Furyl)Amino-Methanephosphonic and Aminophosphonous Acids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999, 144, 449-452.	1.6	5
29	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1999, 35, 251-260.	1.6	15
30	Reactions of nitrones with sodium iodide-trifluoroacetic anhydride system. Comments on the Beckmann rearrangement of aldonitrones and competitive processes of nucleophilic addition. <i>Tetrahedron</i> , 1997, 53, 14169-14178.	1.9	3
31	A Convenient Preparation of Pivalaldehyde: Some Remarks on the Bouveault Synthesis. <i>Bulletin Des Sociétés Chimiques Belges</i> , 1992, 101, 817-819.	0.0	3
32	Unexpected Formation of 1-(N-Methyl)-aminoalkanephosphonate. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1990, 51, 336-336.	1.6	1
33	Sterically crowded five-membered heterocyclic systems. Part 3. Unexpected formation of stable flexible pyrrolidinoxyl biradicals via nitron aldol dimers: a spectroscopic and mechanistic study. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989, , 1603-1610.	0.9	4
34	Sterically crowded five-membered heterocyclic systems. Part 2. Conformation of 2,2,5,5-tetramethylpyrrolidin-3-ol from nuclear magnetic resonance spectroscopy, crystal structure, and molecular mechanics calculations. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1985, , 1495-1501.	0.9	5
35	¹ H NMR spectra, structure, and conformational exchange of S-n-alkyl-tetrahydrothiophenium cations of some ionic liquids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 0, , 1-11.	1.6	1