Poul Erik Hansen

List of Publications by Year in descending order

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160 papers	4,434 citations	117625 34 h-index	144013 57 g-index
166 all docs	166 docs citations	166 times ranked	3860 citing authors

#	Article	IF	Citations
1	Isotope effects in nuclear shielding. Progress in Nuclear Magnetic Resonance Spectroscopy, 1988, 20, 207-255.	7.5	250
2	Bromophenols in Marine Algae and Their Bioactivities. Marine Drugs, 2011, 9, 1273-1292.	4.6	208
3	Pharmacological Profile of Xanthohumol, a Prenylated Flavonoid from Hops (Humulus lupulus). Molecules, 2015, 20, 754-779.	3.8	174
4	13C NMR of polycyclic aromatic compounds. A review. Magnetic Resonance in Chemistry, 1979, 12, 109-142.	0.7	156
5	Isotope Effects on Nuclear Shielding. Annual Reports on NMR Spectroscopy, 1984, 15, 105-234.	1.5	151
6	The influence of organic matter on sorption and fate of glyphosate in soil â€“ Comparing different soils and humic substances. Environmental Pollution, 2009, 157, 2865-2870.	7.5	104
7	NMR and IR Investigations of Strong Intramolecular Hydrogen Bonds. Molecules, 2017, 22, 552.	3.8	95
8	Magnetic susceptibility: Solutions, emulsions, and cells. Concepts in Magnetic Resonance, 2003, 18A, 56-71.	1.3	87
9	Unraveling the Electronic and Vibrational Contributions to Deuterium Isotope Effects on13C Chemical Shifts Using ab Initio Model Calculations. Analysis of the Observed Isotope Effects on Sterically Perturbed Intramolecular Hydrogen-Bondedo-Hydroxy Acyl Aromatics. Journal of the American Chemical Society, 1998, 120, 9063-9069.	13.7	84
10	Deuterium-Induced Isotope Effects on13C Chemical Shifts as a Probe for Tautomerism in Enolic Î²-Diketones. Magnetic Resonance in Chemistry, 1996, 34, 467-478.	1.9	77
11	Isotope Effects on Chemical Shifts as an Analytical Tool in Structural Studies of Intramolecular Hydrogen Bonded Compounds. Current Organic Chemistry, 2000, 4, 19-54.	1.6	73
12	Deuterium isotope effects on 13C chemical shifts of intramolecularly hydrogen-bonded Schiff bases. Journal of the Chemical Society Perkin Transactions II, 1999, , 2809-2817.	0.9	70
13	Sorption of Polycyclic Aromatic Compounds to Humic Acid As Studied by High-Performance Liquid Chromatography. Environmental Science & Technology, 1997, 31, 1102-1108.	10.0	66
14	Phosphate pool dynamics in the arbuscular mycorrhizal fungus Glomus intraradices studied by in vivo 31 P NMR spectroscopy. New Phytologist, 2004, 162, 783-794.	7.3	66
15	Deuterium and18O isotope effects on13C chemical shifts of sterically hindered and/or intramolecularly hydrogen-bondedo-hydroxy acyl aromatics. Magnetic Resonance in Chemistry, 1994, 32, 399-408.	1.9	61
16	Characterization of Salt Bridges to Lysines in the Protein G B1 Domain. Journal of the American Chemical Society, 2009, 131, 4674-4684.	13.7	61
17	Bilirubin Acidity. Titrimetric and 13C NMR Studies.. Acta Chemica Scandinavica, 1979, 33b, 281-293.	0.7	59
18	Deuterium isotope effects on the13C nuclear shielding of intramolecularly hydrogen-bonded systems. Magnetic Resonance in Chemistry, 1986, 24, 903-910.	1.9	58

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19	Substituent effects on deuterium isotope effects on nuclear shielding of intramolecularly hydrogen-bonded aromatic ketones, aldehydes and esters. Magnetic Resonance in Chemistry, 1993, 31, 23-37.	1.9	58
20	Studies based on deuterium isotope effect on 13C chemical shifts. Progress in Nuclear Magnetic Resonance Spectroscopy, 2004, 45, 1-29.	7.5	55
21	Deuterium isotope effects on13C nuclear shielding as a measure of tautomeric equilibria. Magnetic Resonance in Chemistry, 1982, 18, 58-61.	0.7	50
22	31P NMR for the study of P metabolism and translocation in arbuscular mycorrhizal fungi. Plant and Soil, 2000, 226, 245-253.	3.7	50
23	Oneâ€bond deuterium isotope effects on ¹⁵N chemical shifts in Schiff bases. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1998, 102, 410-413.	0.9	49
24	A 19F NMR study of Câ€“Iâ‹¯Ï€ halogen bonding. Chemical Physics, 2011, 381, 5-10.	1.9	47
25	Isotope effects on chemical shifts of proteins and peptides. Magnetic Resonance in Chemistry, 2000, 38, 1-10.	1.9	45
26	Deuterium Isotope Effects on 13C and 15N Nuclear Shielding in Intramolecularly Hydrogen-Bonded Compounds. Investigation of Enamine Derivatives.. Acta Chemica Scandinavica, 1990, 44, 826-832.	0.7	44
27	Tautomerism of enolic triacetylmethane, 2-acyl-1,3-cycloalkanediones, 5-acyl Meldrumâ€™s acids and 5-acyl-1,3-dimethylbarbituric acids studied by means of deuterium isotope effects on13C chemical shifts. Magnetic Resonance in Chemistry, 1998, 36, 315-324.	1.9	42
28	Deuterium isotope effects on13C nuclear shielding of amino and acetamido compounds. Tautomerism and intramolecular hydrogen bonding. Magnetic Resonance in Chemistry, 1992, 30, 786-795.	1.9	40
29	Deuterium Isotope Effects on13C Chemical Shifts ofo-Hydroxyacyl Aromatics. Intramolecular Hydrogen Bonding. Magnetic Resonance in Chemistry, 1997, 35, 520-528.	1.9	40
30	Hydrogen bonding and tautomerism studied by isotope effects on chemical shifts. Journal of Molecular Structure, 1994, 321, 79-87.	3.6	39
31	Schiff bases of gossypol: an NMR and DFT study. Magnetic Resonance in Chemistry, 2005, 43, 302-308.	1.9	39
32	Deuterium isotope effects on13C and15N nuclear shielding ino-hydroxyazo dyes. Magnetic Resonance in Chemistry, 1984, 22, 569-572.	0.7	35
33	Variable temperature 1H and 13C NMR spectroscopic investigation of the enolâ€“enethiol tautomerism of Î²-thioxoketones. Isotope effects due to deuteron chelation. Journal of Molecular Structure, 2000, 552, 45-62.	3.6	35
34	Steric compression and twist in o-hydroxy acyl aromatics with intramolecular hydrogen bonding. Journal of Molecular Structure, 2005, 749, 155-168.	3.6	35
35	Photovoltaic Performance and Characteristics of Dyeâ€Sensitized Solar Cells Prepared with the N719 Thermal Degradation Products [Ru(LH)₂(NCS)(4â€tertâ€butylpyridine)][N(Bu)₄] and [Ru(LH)₂(NCS)(1â€methylbenzimidazole)][N(Bu)₄]. European Journal of Inorganic Chemistry, 2011, 2011, 2533-2539.	2.0	35
36	Hydrogen bonding monitored by deuterium isotope effects on carbonyl 13C chemical shift in BPTI: intra-residue hydrogen bonds in antiparallel Î²-sheet. International Journal of Biological Macromolecules, 1991, 13, 2-8.	7.5	34

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37	Variable-temperature NMR studies of 2,6-dihydroxy acylaromatic compounds. Deuterium isotope effects on chemical shifts, isotopic perturbation of equilibrium and barriers to rotation. Magnetic Resonance in Chemistry, 1993, 31, 893-902.	1.9	34
38	Ab Initio Calculations of Deuterium Isotope Effects on Hydrogen and Nitrogen Nuclear Magnetic Shielding in the Hydrated Ammonium Ion.. Acta Chemica Scandinavica, 1992, 46, 1065-1071.	0.7	34
39	17O chemical shifts and deuterium isotope effects on13C chemical shifts of intramolecularly hydrogen-bonded compounds. Magnetic Resonance in Chemistry, 1998, 36, 921-928.	1.9	32
40	Strong intramolecular hydrogen bonding involving nitro- and acetyl groups. Deuterium isotope effects on chemical shifts. Journal of Molecular Structure, 2006, 789, 81-91.	3.6	32
41	Effect of Different Humic Substances on the Fate of Diuron and Its Main Metabolite 3,4-Dichloroaniline in Soil. Environmental Science & Technology, 2008, 42, 8687-8691.	10.0	32
42	Cytotoxic Geranylated Xanthones and O-Alkylated Derivatives of .ALPHA.-Mangostin. Chemical and Pharmaceutical Bulletin, 2009, 57, 830-834.	1.3	32
43	Isotope effect on chemical shifts in hydrogenâ€bonded systems. Journal of Labelled Compounds and Radiopharmaceuticals, 2007, 50, 967-981.	1.0	30
44	OH stretching frequencies in systems with intramolecular hydrogen bonds: Harmonic and anharmonic analyses. Chemical Physics, 2011, 389, 107-115.	1.9	30
45	Deuterium isotope effects on 15N, 13C and 1H chemical shifts of proton sponges. Journal of Molecular Structure, 2002, 615, 121-140.	3.6	29
46	Binding of Topotecan to a Nicked DNA Oligomer in Solution. Chemistry - A European Journal, 2008, 14, 2788-2794.	3.3	29
47	Intramolecular hydrogen bonding of the enol forms of Î²-ketoamides and Î²-ketothioamides. Deuterium isotope effects on 13C chemical shifts. Journal of Molecular Structure, 1996, 378, 45-59.	3.6	28
48	Density Functional Theory Study of Intramolecular Hydrogen Bonding and Proton Transfer ino-Hydroxyaryl Ketimines. Journal of Physical Chemistry A, 2008, 112, 3478-3485.	2.5	28
49	CH, CD, CC and HH coupling constants in isotopically enriched cyclobutene. Magnetic Resonance in Chemistry, 1981, 15, 288-293.	0.7	27
50	Primary tritium and deuterium isotope effects on chemical shifts of compounds having an intramolecular hydrogen bond. Magnetic Resonance in Chemistry, 2000, 38, 525-535.	1.9	27
51	Progress of Bromophenols in Marine Algae from 2011 to 2020: Structure, Bioactivities, and Applications. Marine Drugs, 2020, 18, 411.	4.6	27
52	Temperature coefficient of NH chemical shifts of thioamides and amides in relation to structure. Journal of Molecular Structure, 2004, 700, 91-103.	3.6	26
53	Deuterium isotope effects on 15N backbone chemical shifts in proteins. Journal of Biomolecular NMR, 2009, 44, 119-126.	2.8	26
54	Theoretical and NMR Studies of Deuterium Isotopic Perturbation of Hydrogen Bonding in Symmetrical Dihydroxy Compounds. Journal of Organic Chemistry, 2010, 75, 1331-1342.	3.2	26

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55	Isotope Effects on Chemical Shifts in the Study of Intramolecular Hydrogen Bonds. Molecules, 2015, 20, 2405-2424.	3.8	26
56	Intramolecular hydrogen bonding and tautomerism of acylpyran-2,4-diones, -2,4,6-triones and acylpyridinediones and benzannelated derivatives. Deuterium isotope effects on 13C NMR chemical shifts. Journal of the Chemical Society Perkin Transactions II, 1995, , 1901.	0.9	25
57	Sorption of Polycyclic Aromatic Compounds to Humic and Fulvic Acid HPLC Column Materials. Journal of Environmental Quality, 2001, 30, 526-537.	2.0	25
58	Multiple Binding Modes of the Camptothecin Family to DNA Oligomers. Chemistry - A European Journal, 2004, 10, 5776-5787.	3.3	25
59	Variable-temperature NMR study of the enol forms of benzoylacetones. Magnetic Resonance in Chemistry, 2005, 43, 992-998.	1.9	25
60	The structure of the phototransformation product of monothiodibenzoylmethane. Chemical Physics Letters, 2001, 350, 502-508.	2.6	24
61	Solution and solid state13C NMR and X-ray studies of genistein complexes with amines. Potential biological function of the C-7, C-5, and C-4â€²-OH groups. Organic and Biomolecular Chemistry, 2003, 1, 3578-3585.	2.8	24
62	Long-Range Intrinsic and Equilibrium Deuterium Isotope Effects on 19F Chemical Shifts.. Acta Chemica Scandinavica, 1997, 51, 881-888.	0.7	24
63	Substituent Conformational effects in vicinal13Cï£¿13C spin-spin coupling constants. Magnetic Resonance in Chemistry, 1979, 12, 169-173.	0.7	23
64	Deuterium Isotope Effects on 13C Chemical Shifts of Enaminones.. Acta Chemica Scandinavica, 1997, 51, 1016-1023.	0.7	23
65	On prediction of OH stretching frequencies in intramolecularly hydrogen bonded systems. Journal of Molecular Structure, 2012, 1018, 8-13.	3.6	22
66	Structural Studies of Î²-Diketones and Their Implications on Biological Effects. Pharmaceuticals, 2021, 14, 1189.	3.8	22
67	Carbon-carbon coupling constants of 1-phenylazo-2-naphthol and 2-phenylazo-1-naphthol obtained by the SEMINA-1 technique. Magnetic Resonance in Chemistry, 1986, 24, 772-776.	1.9	21
68	Deuterium isotope effects on 17 O chemical shifts of intramolecularly hydrogen bonded systems. Journal of Molecular Structure, 1999, 509, 171-181.	3.6	21
69	Thioacetylacetone: Structural and Vibrational Assignments. ChemPhysChem, 2004, 5, 495-502.	2.1	21
70	Characterisation of the PT-form of o-hydroxy acylaromatic Schiff bases by NMR spectroscopy and DFT calculations. Journal of Molecular Structure, 2004, 707, 69-75.	3.6	21
71	Detection of salt bridges to lysines in solution in barnase. Chemical Communications, 2013, 49, 9824-9826.	4.1	21
72	Deuterium isotope effects on14N and15N nuclear shielding in simple nitrogen-containing compounds. Magnetic Resonance in Chemistry, 1985, 23, 973-976.	1.9	20

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73	Trichloromethyl compounds â€" Natural background concentrations and fates within and below coniferous forests. Science of the Total Environment, 2010, 408, 6223-6234.	8.0	20
74	Ab Initio Calculations of Deuterium Isotope Effects on Chemical Shifts of Salt-Bridged Lysines. Journal of Physical Chemistry B, 2011, 115, 3208-3215.	2.6	20
75	A Reinvestigation of One-Bond Deuterium Isotope Effects on Nitrogen and on Proton Nuclear Shielding for the Ammonium Ion.. Acta Chemica Scandinavica, 1989, 43, 222-232.	0.7	20
76	Reverse quantitative structureâ€"activity relationship for modelling the sorption of esfenvalerate to dissolved organic matter. Chemosphere, 2002, 49, 1317-1325.	8.2	19
77	Preparation and structural characterization of a new class of stable thioketones: ortho-hydroxythioacetophenones. Tetrahedron Letters, 2006, 47, 8433-8435.	1.4	19
78	Intramolecular hydrogen bonding of novelo-hydroxythioacetophenones and related compounds evaluated by deuterium isotope effects on13C chemical shifts. Magnetic Resonance in Chemistry, 2007, 45, 245-252.	1.9	19
79	Long-range deuterium isotope effects in tautomeric ?-thioxoketones. A1H and13C NMR study. Journal of Physical Organic Chemistry, 1991, 4, 225-232.	1.9	18
80	Intramolecular hydrogen bonding in 8-quinolinol N-oxides, quinaldinic acid N-oxides and quinoline-2-carboxyamide N-oxide. Deuterium isotope effects on 13C chemical shifts. Journal of Molecular Structure, 1997, 436-437, 189-199.	3.6	18
81	A spectrochemometric approach to tautomerism and hydrogen-bonding in 3-acyltetronic acids. Journal of Molecular Structure, 2006, 790, 80-88.	3.6	18
82	Long-Range Deuterium Isotope Effects on 13C Chemical Shifts of Intramolecularly Hydrogen-Bonded N-Substituted 3-(Cycloamine)thiopropionamides or Amides:â€‰ A Case of Electric Field Effects. Journal of Organic Chemistry, 2007, 72, 4108-4116.	3.2	18
83	Factor Analysis of Deuterium Isotope Effects on13C NMR Chemical Shifts in Schiff Bases. Chemistry - A European Journal, 2005, 11, 4758-4766.	3.3	17
84	Conformational and tautomeric eccentricities of 2-acetyl-1,8-dihydroxynaphthalenes. Magnetic Resonance in Chemistry, 2007, 45, 106-117.	1.9	17
85	Long-range deuterium isotope effects on13C chemical shifts of intramolecularly hydrogen-bonded compounds. Purpurogallins. Magnetic Resonance in Chemistry, 1993, 31, 71-74.	1.9	16
86	NMR of a series of novel hydroxyflavothiones. Magnetic Resonance in Chemistry, 2009, 47, 1043-1054.	1.9	16
87	Deuterium Isotope Effects on 13C-NMR Chemical Shifts of 10-Hydroxybenzo[h]quinolines. Molecules, 2013, 18, 4544-4560.	3.8	15
88	Structural studies on Mannich bases of 2-Hydroxy-3,4,5,6-tetrachlorobenzene. An UV, IR, NMR and DFT study. A mini-review. Journal of Molecular Structure, 2016, 1119, 235-239.	3.6	15
89	Computational Prediction of ¹H and ¹³C NMR Chemical Shifts for Protonated Alkylpyrroles: Electron Correlation and Not Solvation is the Salvation. ChemPhysChem, 2019, 20, 78-91.	2.1	15
90	A Spectroscopic Overview of Intramolecular Hydrogen Bonds of NHâ€¦O,S,N Type. Molecules, 2021, 26, 2409.	3.8	15

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91	Deuterium isotope effects on ¹³C chemical shifts of nitromalonamide. Magnetic Resonance in Chemistry, 2008, 46, 726-729.	1.9	14
92	The effect of 4-tert-butylpyridine and Li+ on the thermal degradation of TiO2-bound ruthenium dye N719. Solar Energy, 2013, 88, 23-30.	6.1	14
93	Intramolecular Hydrogen Bonds in Normal and Sterically Compressed o-Hydroxy Aromatic Aldehydes. Isotope Effects on Chemical Shifts and Hydrogen Bond Strength. Molecules, 2019, 24, 4533.	3.8	14
94	A Simple, Effective, Green Method for the Regioselective 3-Acylation of Unprotected Indoles. Molecules, 2015, 20, 19605-19619.	3.8	13
95	A concept for stimulated proton transfer in 1-(phenyldiazenyl)naphthalen-2-ols. Dyes and Pigments, 2018, 156, 91-99.	3.7	13
96	Isotopic Perturbation of Equilibrium in 2,6-Dihydroxybenzoyl Compounds. A 13C and 1 H NMR Investigation.. Acta Chemica Scandinavica, 1988, 42b, 423-432.	0.7	13
97	Deuterium Isotope Effects on Carbonyl Carbon Chemical Shifts of BPTI. Hydrogen Bonding and Structure Determination in Proteins.. Acta Chemica Scandinavica, 1989, 43, 710-712.	0.7	13
98	Reactivity and diastereoselectivity of Michael additions of amines to achiral Î±,Î²-unsaturated thioamides. Tetrahedron, 2001, 57, 8705-8718.	1.9	12
99	1,1â€²,1â€²â€²-(2,4,6-Trihydroxybenzene-1,3,5-triyl)triethanone tautomerism revisited. Tetrahedron Letters, 2014, 55, 354-357.	1.4	12
100	The possible tautomerism of the potential rotary switch 2-(2-(2-Hydroxy-4-nitrophenyl)hydrazono)-1-phenylbutane-1,3-dione. Dyes and Pigments, 2017, 144, 249-261.	3.7	12
101	Cellular Uptake and Intracellular Phosphorylation of GS-441524: Implications for Its Effectiveness against COVID-19. Viruses, 2021, 13, 1369.	3.3	12
102	NH Stretching Frequencies of Intramolecularly Hydrogen-Bonded Systems: An Experimental and Theoretical Study. Molecules, 2021, 26, 7651.	3.8	12
103	Ab initio calculations of external charge effects on the isotropic 13C, 15N and 17O nuclear shieldings of amides. Chemical Physics Letters, 1994, 224, 275-282.	2.6	11
104	Deuterium isotope effects on 13C and 15N chemical shifts of intramolecularly hydrogen-bonded enaminocarbonyl derivatives of Meldrumâ€™s and Tetronic acid. Journal of Molecular Structure, 2010, 976, 377-391.	3.6	11
105	Dye-sensitized solar cells and complexes between pyridines and iodines. A NMR, IR and DFT study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 98, 247-251.	3.9	11
106	Arresting consecutive steps of a photochromic reaction: studies of Î²-thioxoketones combining laser photolysis with NMR detection. Physical Chemistry Chemical Physics, 2014, 16, 9128-9137.	2.8	11
107	A Reinvestigation of the Ionic Liquid Diisopropylethylammonium Formate by NMR and DFT Methods. Journal of Physical Chemistry B, 2016, 120, 11279-11286.	2.6	11
108	Molecular structure and intramolecular hydrogen bond strength of 3-methyl-4-amino-3-penten-2-one and its N Me and N-Ph substitutions by experimental and theoretical methods. Journal of Molecular Structure, 2019, 1184, 233-245.	3.6	11

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109	2DeltaH(D) and 1DeltaN(D) Isotope Effects on Nuclear Shielding of Ammonium Ions in Complexes with Crown Ethers and Cryptands.. Acta Chemica Scandinavica, 1993, 47, 777-788.	0.7	11
110	The role of ring substituents on hydrogen bonding of 5-cyano-2-hydroxyacetophenone and 2-hydroxy-4-methoxy-5-nitroacetophenone in the ground and excited states. Journal of Molecular Structure, 2007, 844-845, 77-82.	3.6	10
111	Photochromism in p-methylbenzoylthioacetone and related Î²-thioxoketones. Chemical Physics, 2007, 338, 11-22.	1.9	10
112	Methodological problems in determining TCAA in soilsâ€"the discovery of novel natural trichloroacetyl containing compounds and their interference with a common method for determining TCAA in soil and vegetation. Journal of Environmental Monitoring, 2010, 12, 672-680.	2.1	10
113	A new chromanone acid from the bark of Calophyllum dryobalanoides. Phytochemistry Letters, 2012, 5, 287-291.	1.2	10
114	Determination of the tautomeric equilibria of pyridoyl benzoyl Î²-diketones in the liquid and solid state through the use of deuterium isotope effects on 1H and 13C NMR chemical shifts and spin coupling constants. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 107-112.	3.9	10
115	Ring current and anisotropy effects on OH chemical shifts in resonance-assisted intramolecular H-bonds. Tetrahedron Letters, 2018, 59, 2288-2292.	1.4	10
116	NMR of Natural Products as Potential Drugs. Molecules, 2021, 26, 3763.	3.8	10
117	13C-NMR Chemical Shift Databases as a Quick Tool to Evaluate Structural Models of Humic Substances~!2010-01-15~!2010-02-02~!2010-06-18~!. The Open Magnetic Resonance Journal, 2010, 3, 96-105.	0.5	10
118	New deuterium isotope effects on 13C and 19F chemical shifts across intramolecular hydrogen bonds of non-resonance assisted systems. Tetrahedron Letters, 2005, 46, 839-842.	1.4	9
119	Photochromism and polarization spectroscopy of p-methyl(thiobenzoyl)acetone. Chemical Physics, 2006, 328, 205-215.	1.9	9
120	Oliveridepsidones Aâ€"D, antioxidant depsidones from Garcinia oliveri. Magnetic Resonance in Chemistry, 2012, 50, 242-245.	1.9	9
121	Letter to the editor: Sequence-specific resonance assignments of the potent cytolysin equinatoxin II. Journal of Biomolecular NMR, 2000, 18, 281-282.	2.8	8
122	Microwave-Assisted Facile and Rapid Friedelâ€"Crafts Benzoylation of Arenes Catalyzed by Bismuth Trifluoromethanesulfonate. Synthetic Communications, 2014, 44, 2921-2929.	2.1	8
123	NMR, MP2, and DFT study of thiophenoxyketenimines (oâ€thioâ€Schiff bases): Determination of the preferred form. Magnetic Resonance in Chemistry, 2018, 56, 172-182.	1.9	8
124	1H NMR Spin-echo Spectroscopy of Human Erythrocytes. Transformation of Exogenous Compounds. NMR in Biomedicine, 1990, 3, 248-258.	2.8	7
125	Greener Friedelâ€Crafts Acylation Using Microwaveâ€Enhanced Reactivity of Bismuth Triflate in the Friedelâ€Crafts Benzoylation of Aromatic Compounds with Benzoic Anhydride. ChemistrySelect, 2017, 2, 571-575.	1.5	7
126	Application of the HECADE method to the measurement of long-range heteronuclear13C,1H spin-spin coupling constants in tautomeric Î²-sulfonylenamines. Magnetic Resonance in Chemistry, 2000, 38, 839-844.	1.9	6

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127	The tautomeric equilibrium and stereochemistry of Î²-sulfonyl enamines. New Journal of Chemistry, 2002, 26, 1060-1069.	2.8	6
128	The application of highâ€performance liquid chromatography humic acid columns in determination of K_{oc} of polycyclic aromatic compounds. Environmental Toxicology and Chemistry, 2003, 22, 741-745.	4.3	6
129	Molecular structure, intramolecular hydrogen bond strength, vibrational assignment, and spectroscopic insight of 4-phenylamino-3-penten-2-one and its derivatives: A theoretical and experimental study. Journal of Molecular Liquids, 2021, 334, 116035.	4.9	6
130	1 H NMR of compounds with low water solubility in the presence of erythrocytes: effects of emulsion phase separation. European Biophysics Journal, 2001, 30, 69-74.	2.2	5
131	Secondary thioamide group deformations in different surroundings: The case of intramolecular NHÂ·Â·Â·N hydrogen bond â€“ An X-ray study combined with theoretical calculations. Journal of Molecular Structure, 2008, 892, 438-445.	3.6	5
132	Isotope effects on chemical shifts in the study of hydrogen bonded biological systems. Progress in Nuclear Magnetic Resonance Spectroscopy, 2020, 120-121, 109-117.	7.5	5
133	Derivatives of usnic acid cause cytostatic effect in Caco-2 cells. Natural Product Research, 2020, 35, 1-7.	1.8	5
134	Azoâ€hydrazone molecular switches: Synthesis and NMR conformational investigation. Magnetic Resonance in Chemistry, 2021, 59, 1116-1125.	1.9	5
135	The best <scp>density functional theory</scp> functional for the prediction of ¹H and ¹³C chemical shifts of protonated alkylpyrroles. Journal of Computational Chemistry, 2021, 42, 1248-1262.	3.3	5
136	Isotope Effects on Chemical Shifts in the Study of Hydrogen Bonds in Small Molecules. Molecules, 2022, 27, 2405.	3.8	5
137	Nuclear magnetic resonance spectroscopy of Cï£¾C, Cï£¾O, Cï£¾N and Nï£¾N double bonds. , 0, , 81-162.		4
138	Determination ofK_{ow}of Substituted Polycyclic Aromatic Compounds. Polycyclic Aromatic Compounds, 1997, 12, 187-200.	2.6	4
139	Intramolecular hydrogen bonding of o-hydroxyesters and related compounds evaluated by deuterium isotope effects on 13C chemical shifts and principal component analysis. Journal of Molecular Structure, 2007, 844-845, 300-307.	3.6	4
140	Intramolecular Hydrogen Bonding of 5-Acyl-3-methylrhodanines. Zeitschrift Fur Physikalische Chemie, 2008, 222, 1213-1223.	2.8	4
141	Acetyl cedrene and its follower. An Isotopic, NMR and MS Structure elucidation and deuteriation study. Journal of Labelled Compounds and Radiopharmaceuticals, 2011, 54, 126-131.	1.0	4
142	Deuterium isotope effects on ¹³C chemical shifts of negatively charged NHâ€¦N systems. Magnetic Resonance in Chemistry, 2013, 51, 683-688.	1.9	4
143	Comment on â€œSpectroscopic studies of ketoâ€“enol tautomeric equilibrium of azo dyesâ€• by M. A. Rauf, S. Hisaindee and N. Saleh, RSC Adv., 2015, 5, 18097. RSC Advances, 2015, 5, 67165-67167.	3.6	4
144	4-Carboxyl-2,6-dinitrophenylazohydroxynaphthalenes tautomerism NMR re-explained and other methods verified. Dyes and Pigments, 2017, 142, 226-229.	3.7	4

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145	Oneâ€bond ¹J(¹⁵N,H) coupling constants at sp²â€hybridized nitrogen of Schiff bases, enaminones and similar compounds: A theoretical study. Magnetic Resonance in Chemistry, 2020, 58, 750-762.	1.9	4
146	13C,13C coupling constants from a mixture of isotopomers (13C) of substituted aromatic compounds; 1-nitronaphthalenes. Magnetic Resonance in Chemistry, 1981, 17, 66-67.	0.7	3
147	Secondary Isotope Effects on ¹³C and ¹⁵N Chemical Shifts of Schiff Bases Revisited. Zeitschrift Fur Physikalische Chemie, 2013, 227, 917-927.	2.8	3
148	Isomerization and aggregation of 2-(2-(2-hydroxy-4-nitrophenyl)hydrazono)-1-phenylbutane-1,3-dione: Recent evidences from theory and experiment. Journal of Molecular Liquids, 2019, 283, 242-248.	4.9	3
149	Strong intramolecular hydrogen bonds and steric effects involving Câ•S groups: An NMR and computational study. Magnetic Resonance in Chemistry, 2020, 58, 154-162.	1.9	3
150	Aggregation of amphiphilic molecules in water. I. ?-phenylethylamine:1H and13C NMR study. Journal of Physical Organic Chemistry, 1991, 4, 58-66.	1.9	2
151	NMR and IR Spectroscopy of Phenols. , 0, , 333-393.		2
152	Deuterium Isotope Effects on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn mathvariant="bold">14,15</mml:mn></mml:mrow><mml:mrow><mml:mtext>N</mml:mtext></mml:mrow></mml:math> Chemical Shifts of Ammonium Ions: A Solid State NMR Study. International Journal of Inorganic Chemistry, 2011, 2011, 1-4.	0.6	2
153	Stability of the oxidized form of RuLLâ€²(NCS)2 dyes in acetonitrile in the presence of water and pyridines â€“ Why the dye-sensitized solar cell electrolyte should be dry. Solar Energy, 2019, 189, 235-243.	6.1	2
154	Curcumin analogues for possible cancer treatment A QSAR and partial ordering study. World Journal of Biological and Pharmaceutical Research, 2021, 1, 001-016.	0.0	2
155	Photoinduced and ground state conversions in a cyclic Î²-thioxoketone. RSC Advances, 2021, 12, 681-689.	3.6	2
156	NMR and IR Spectroscopy of Phenols. ChemInform, 2005, 36, no.	0.0	1
157	Structure of a new usnic acid derivative from a deacylating Mannich reaction: NMR studies supported by theoretical calculations of chemical shifts. Magnetic Resonance in Chemistry, 2018, 56, 1094-1100.	1.9	1
158	Structure Identification of Novel Compounds Using Simple IR, 1 H, and 13 C NMR Spectroscopy and Computational Tools. Bulletin of the Korean Chemical Society, 2020, 41, 78-83.	1.9	1
159	NMR Studies of Isotope Effects of Compounds with Intramolecular Hydrogen Bonds. , 2005, , 253-280.		0
160	Nuclear magnetic resonance of acids and acid derivatives. , 0, , 153-226.		0