Martin Dracinsky

List of Publications by Year
in descending order

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180	3,280	172457	276875
papers	citations	29 h-index	41 g-index

187	187	187	3887
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gold nanoclusters with bright near-infrared photoluminescence. Nanoscale, 2018, 10, 3792-3798.	5.6	113
2	Computational Analysis of Solvent Effects in NMR Spectroscopy. Journal of Chemical Theory and Computation, 2010, 6, 288-299.	5.3	106
3	A molecular dynamics study of the effects of fast molecular motions on solid-state NMR parameters. CrystEngComm, 2013, 15, 8705.	2.6	77
4	New Pathway to C₂â€Symmetric Atropoisomeric Bipyridine N,Nâ€²â€Dioxides and Solvent Effect in Enantioselective Allylation of Aldehydes. Advanced Synthesis and Catalysis, 2008, 350, 1449-1456.	4.3	66
5	A novel and efficient one-pot synthesis of symmetrical diamide (bis-amidate) prodrugs of acyclic nucleoside phosphonates and evaluation of their biological activities. European Journal of Medicinal Chemistry, 2011, 46, 3748-3754.	5.5	58
6	Conductivity of boron-doped polycrystalline diamond films: influence of specific boron defects. European Physical Journal B, 2013, 86, 1.	1.5	55
7	Mammalian peroxidases activate anticancer drug ellipticine to intermediates forming deoxyguanosine adducts in DNA identical to those foundin vivo and generated from 12-hydroxyellipticine and 13-hydroxyellipticine. International Journal of Cancer, 2007, 120, 243-251.	5.1	54
8	Effects of Quantum Nuclear Delocalisation on NMR Parameters from Path Integral Molecular Dynamics. Chemistry - A European Journal, 2014, 20, 2201-2207.	3.3	52
9	Surface Inclusion of Unidirectional Molecular Motors in Hexagonal Tris(o-phenylene)cyclotriphosphazene. Journal of the American Chemical Society, 2017, 139, 10486-10498.	13.7	52
10	Relative importance of first and second derivatives of nuclear magnetic resonance chemical shifts and spin-spin coupling constants for vibrational averaging. Journal of Chemical Physics, 2009, 130, 094106.	3.0	49
11	Conformational Sampling by Ab Initio Molecular Dynamics Simulations Improves NMR Chemical Shift Predictions. Journal of Chemical Theory and Computation, 2013, 9, 3806-3815.	5.3	48
12	Structure of the Alanine Hydration Shell as Probed by NMR Chemical Shifts and Indirect Spinâ^'Spin Coupling. Journal of Physical Chemistry B, 2009, 113, 14698-14707.	2.6	47
13	Highly enantioselective organocatalytic cascade reaction for the synthesis of piperidines and oxazolidines. Tetrahedron, 2011, 67, 8942-8950.	1.9	44
14	Chemical Constituents of Stereum subtomentosum and Two Other Birchâ€Associated Basidiomycetes: An Interspecies Comparative Study. Chemistry and Biodiversity, 2008, 5, 743-750.	2.1	43
15	Cytochrome b5 and epoxide hydrolase contribute to benzo[a]pyrene-DNA adduct formation catalyzed by cytochrome P450 1A1 under low NADPH:P450 oxidoreductase conditions. Toxicology, 2014, 318, 1-12.	4.2	41
16	Efficient and â€˜greenâ€™ microwave-assisted synthesis of haloalkylphosphonates via the Michaelisâ€“Arbuzov reaction. Green Chemistry, 2011, 13, 882.	9.0	40
17	The optimized microwave-assisted decomposition of formamides and its synthetic utility in the amination reactions of purines. Tetrahedron, 2011, 67, 866-871.	1.9	38
18	Improving the accuracy of solid-state nuclear magnetic resonance chemical shift prediction with a simple molecular correction. Physical Chemistry Chemical Physics, 2019, 21, 14992-15000.	2.8	38

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19	Tautomerism and the Protonation/Deprotonation of Isocytosine in Liquidâ€•and Solidâ€States Studied by NMR Spectroscopy and Theoretical Calculations. European Journal of Organic Chemistry, 2011, 2011, 1544-1551.	2.4	37
20	Synthesis of 9-phosphonoalkyl and 9-phosphonoalkoxyalkyl purines: Evaluation of their ability to act as inhibitors of Plasmodium falciparum, Plasmodium vivax and human hypoxanthineâ€“guanineâ€“(xanthine) phosphoribosyltransferases. Bioorganic and Medicinal Chemistry, 2012, 20, 1076-1089.	3.0	36
21	Acyclic nucleoside bisphosphonates: Synthesis and properties of chiral 2-amino-4,6-bis[(phosphonomethoxy)alkoxy]pyrimidines. European Journal of Medicinal Chemistry, 2009, 44, 2408-2424.	5.5	35
22	Microwave-assisted hydrolysis of phosphonate diesters: an efficient protocol for the preparation of phosphonic acids. Green Chemistry, 2012, 14, 2282.	9.0	35
23	A Systematic Study of Coumarinâ€“Tetrazine Lightâ€Up Probes for Bioorthogonal Fluorescence Imaging. Chemistry - A European Journal, 2020, 26, 9945-9953.	3.3	35
24	Synthesis of Fluorinated Brassinosteroids Based on Alkene Cross-Metathesis and Preliminary Biological Assessment. Journal of Medicinal Chemistry, 2009, 52, 5753-5757.	6.4	34
25	Ab initio modeling of fused silica, crystal quartz, and water Raman spectra. Chemical Physics Letters, 2011, 512, 54-59.	2.6	33
26	Internal dynamics in helical molecules studied by X-ray diffraction, NMR spectroscopy and DFT calculations. Physical Chemistry Chemical Physics, 2017, 19, 2900-2907.	2.8	33
27	An efficient modification of ellipticine synthesis and preparation of 13-hydroxyellipticine. Tetrahedron Letters, 2007, 48, 6893-6895.	1.4	31
28	Design, synthesis, and biological evaluation of novel coxsackievirus B3 inhibitors. Bioorganic and Medicinal Chemistry, 2010, 18, 4374-4384.	3.0	31
29	Synthesis of Ester Prodrugs of 9-(S)-[3-Hydroxy-2-(phosphonomethoxy)propyl]-2,6-diaminopurine (HPMPDAP) as Anti-Poxvirus Agents. Journal of Medicinal Chemistry, 2010, 53, 6825-6837.	6.4	30
30	Theoretical Modeling of Magnesium Ion Imprints in the Raman Scattering of Water. Journal of Physical Chemistry B, 2010, 114, 3574-3582.	2.6	30
31	Proton transfer in guanineâ€“cytosine base pair analogues studied by NMR spectroscopy and PIMD simulations. Faraday Discussions, 2018, 212, 331-344.	3.2	28
32	Synthesis and Biological Evaluation of Phosphoester and Phosphorothioate Prodrugs of STING Agonist 3â€²,3â€²-c-Di(2â€²F,2â€²dAMP). Journal of Medicinal Chemistry, 2021, 64, 7596-7616.	6.4	28
33	Synthesis and Biochemical Characterization of a Series of 17Î±-Perfluoroalkylated Estradiols as Selective Ligands for Estrogen Receptor Î±. Journal of Medicinal Chemistry, 2010, 53, 6947-6953.	6.4	27
34	Synthesis and antiviral activity of N9-[3-fluoro-2-(phosphonomethoxy)propyl] analogues derived from N6-substituted adenines and 2,6-diaminopurines. Bioorganic and Medicinal Chemistry, 2011, 19, 2114-2124.	3.0	27
35	Solid-state NMR studies of nucleic acid components. RSC Advances, 2015, 5, 12300-12310.	3.6	27
36	The synthesis of piperidine nucleoside analogsâ€”a comparison of several methods to access the introduction of nucleobases. Tetrahedron, 2011, 67, 1485-1500.	1.9	26

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37	Vibrational averaging of the chemical shift in crystalline Î±â€glycine. Journal of Computational Chemistry, 2012, 33, 1080-1089.	3.3	26
38	Toward Reproducing Sequence Trends in Phosphorus Chemical Shifts for Nucleic Acids by MD/DFT Calculations. Journal of Chemical Theory and Computation, 2013, 9, 1641-1656.	5.3	26
39	Photoswitchable Intramolecular Hydrogen Bonds in 5â€Phenylazopyrimidines Revealed By In Situ Irradiation NMRâ€‰Spectroscopy. Chemistry - A European Journal, 2018, 24, 492-498.	3.3	26
40	Synthesis of purine N9-[2-hydroxy-3-O-(phosphonomethoxy)propyl] derivatives and their side-chain modified analogs as potential antimalarial agents. Bioorganic and Medicinal Chemistry, 2012, 20, 1222-1230.	3.0	25
41	Computational and Experimental Evidence of Throughâ€Space NMR Spectroscopic J Coupling of Hydrogen Atoms. Chemistry - A European Journal, 2012, 18, 981-986.	3.3	25
42	Resolution of Organic Polymorphic Crystals by Raman Spectroscopy. Journal of Physical Chemistry B, 2013, 117, 7297-7307.	2.6	25
43	Bioorthogonal Fluorescence Turnâ€On Labeling Based on Bicyclononyneâ€'Tetrazine Cycloaddition Reactions that Form Pyridazine Products. ChemPlusChem, 2019, 84, 493-497.	2.8	25
44	A Ï€â€Conjugated, Covalent Phosphinine Framework. Chemistry - A European Journal, 2019, 25, 12342-12348.	3.3	24
45	Perfluoroalkylation through Crossâ€Metathesis between Alkenes and (Perfluoroalkyl)propenes. European Journal of Organic Chemistry, 2008, 2008, 4493-4499.	2.4	23
46	An efficient microwave-assisted synthesis and biological properties of polysubstituted pyrimidinyl- and 1,3,5-triazinylphosphonic acids. Tetrahedron, 2012, 68, 865-871.	1.9	23
47	Vibrational Properties of the Phosphate Group Investigated by Molecular Dynamics and Density Functional Theory. Journal of Physical Chemistry B, 2015, 119, 10682-10692.	2.6	23
48	New prodrugs of Adefovir and Cidofovir. Bioorganic and Medicinal Chemistry, 2011, 19, 3527-3539.	3.0	22
49	One-pot build-up procedure for the synthesis of variously substituted purine derivatives. RSC Advances, 2012, 2, 6970.	3.6	22
50	Design and Synthesis of Azaâ€Bicyclononene Dienophiles for Rapid Fluorogenic Ligations. Chemistry - A European Journal, 2018, 24, 2426-2432.	3.3	22
51	Solution and Solid-State Effects on NMR Chemical Shifts in Sesquiterpene Lactones: NMR, X-ray, and Theoretical Methods. Journal of Physical Chemistry A, 2012, 116, 680-688.	2.5	21
52	Parallel variable selection of molecular dynamics clusters as a tool for calculation of spectroscopic properties. Journal of Computational Chemistry, 2013, 34, 366-371.	3.3	21
53	Synthesis and Evaluation of Novel Acyclic Nucleoside Phosphonates as Inhibitors of Plasmodium falciparum and Human 6â€Oxopurine Phosphoribosyltransferases. ChemMedChem, 2015, 10, 1707-1723.	3.2	21
54	Turkish Scorzonera Species Extracts Attenuate Cytokine Secretion via Inhibition of NF-Î²B Activation, Showing Anti-Inflammatory Effect in Vitro. Molecules, 2016, 21, 43.	3.8	21

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55	Photoswitching Behavior of 5-Phenylazopyrimidines: In Situ Irradiation NMR and Optical Spectroscopy Combined with Theoretical Methods. Journal of Organic Chemistry, 2018, 83, 5986-5998.	3.2	21
56	An Extended Approach for the Development of Fluorogenic transâ€Cyclooctyneâ€“Tetrazine Cycloadditions. ChemBioChem, 2019, 20, 886-890.	2.6	21
57	SAR studies of 9-norbornylpurines as Coxsackievirus B3 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4271-4275.	2.2	20
58	5-Substituted 2-amino-4,6-dihydroxypyrimidines and 2-amino-4,6-dichloropyrimidines: synthesis and inhibitory effects on immune-activated nitric oxide production. Medicinal Chemistry Research, 2014, 23, 4482-4490.	2.4	20
59	Resonance-assisted stabilisation of hydrogen bonds probed by NMR spectroscopy and path integral molecular dynamics. Chemical Communications, 2015, 51, 13986-13989.	4.1	20
60	Structurally Redesigned Bioorthogonal Reagents for Mitochondria-Specific Prodrug Activation. Jacs Au, 2021, 1, 23-30.	7.9	20
61	Study of chemical stability of antivirally active 5-azacytosine acyclic nucleoside phosphonates using NMR spectroscopy. Bioorganic and Medicinal Chemistry, 2008, 16, 6778-6782.	3.0	19
62	Glycosylation Protects Proteins against Free Radicals Generated from Toxic Xenobiotics. Toxicological Sciences, 2010, 117, 359-374.	3.1	19
63	The effect of novel [3-fluoro-(2-phosphonoethoxy)propyl]purines on the inhibition of Plasmodium falciparum, Plasmodium vivax and human hypoxanthineâ€“guanineâ€“(xanthine) phosphoribosyltransferases. European Journal of Medicinal Chemistry, 2013, 67, 81-89.	5.5	19
64	Analysis of local molecular motions of aromatic sidechains in proteins by 2D and 3D fast MAS NMR spectroscopy and quantum mechanical calculations. Physical Chemistry Chemical Physics, 2015, 17, 28789-28801.	2.8	19
65	Exploring Systematic Discrepancies in DFT Calculations of Chlorine Nuclear Quadrupole Couplings. Journal of Physical Chemistry A, 2017, 121, 4103-4113.	2.5	19
66	Synthesis and Rearrangement of Dewar Benzenes Into Biaryls: Experimental Evidence for Conrotatory Ring Opening. European Journal of Organic Chemistry, 2008, 2008, 47-51.	2.4	18
67	Bisamidate Prodrugs of 2â€Substituted 9â€[2â€(Phosphonomethoxy)ethyl]adenine (PMEA, adefovir) as Selective Inhibitors of Adenylate Cyclase Toxin from Bordetella pertussis. ChemMedChem, 2015, 10, 1351-1364.	3.2	18
68	Synthesis and Evaluation of Asymmetric Acyclic Nucleoside Bisphosphonates as Inhibitors of Plasmodium falciparum and Human Hypoxanthineâ€“Guanineâ€“(Xanthine) Phosphoribosyltransferase. Journal of Medicinal Chemistry, 2017, 60, 7539-7554.	6.4	18
69	Bulk Inclusions of Double Pyridazine Molecular Rotors in Hexagonal Tris(o-phenylene)cyclotriphosphazene. Journal of Organic Chemistry, 2019, 84, 8449-8467.	3.2	18
70	Bifunctional acyclic nucleoside phosphonates: synthesis of chiral 9-{3-hydroxy[1,4-bis(phosphonomethoxy)]butan-2-yl} derivatives of purines. Tetrahedron: Asymmetry, 2007, 18, 2233-2247.	1.8	17
71	Lithium Insertion into Titanium Dioxide (Anatase): A Raman Study with ^{16/18}O and ^{6/7}Li Isotope Labeling. Chemistry of Materials, 2013, 25, 3710-3717.	6.7	17
72	Polymorphic Transformation of Drugs Induced by Glycopolymeric Vesicles Designed for Anticancer Therapy Probed by Solid-State NMR Spectroscopy. ACS Applied Materials & Interfaces, 2019, 11, 28278-28288.	8.0	17

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73	Polysubstituted 5â€Phenylazopyrimidines: Extremely Fast Nonâ€ionic Photochromic Oscillators. Angewandte Chemie - International Edition, 2020, 59, 15590-15594.	13.8	17
74	Norbornane as the novel pseudoglycone moiety in nucleosides. Tetrahedron, 2009, 65, 9291-9299.	1.9	16
75	The efficient synthesis of 2-arylpyrimidine acyclic nucleoside phosphonates using Liebeskindâ€“Srogl cross-coupling reaction. Tetrahedron, 2011, 67, 7379-7385.	1.9	16
76	Norbornane-based nucleoside and nucleotide analogues locked in North conformation. Bioorganic and Medicinal Chemistry, 2015, 23, 184-191.	3.0	16
77	Regular Two-Dimensional Arrays of Surface-Mounted Molecular Switches: Switching Monitored by UVâ€“vis and NMR Spectroscopy. Journal of the American Chemical Society, 2020, 142, 9337-9351.	13.7	16
78	Synthesis of phosphonomethoxyethyl or 1,3-bis(phosphonomethoxy)propan-2-yl lipophilic esters of acyclic nucleoside phosphonates. Tetrahedron, 2007, 63, 11391-11398.	1.9	15
79	A convenient, high-yield synthesis of 1-substituted uracil and thymine derivatives. Tetrahedron, 2009, 65, 8513-8523.	1.9	15
80	From norbornane-based nucleotide analogs locked in South conformation to novel inhibitors of feline herpes virus. Bioorganic and Medicinal Chemistry, 2014, 22, 2974-2983.	3.0	15
81	Influence of Intramolecular Charge Transfer and Nuclear Quantum Effects on Intramolecular Hydrogen Bonds in Azopyrimidines. Journal of Organic Chemistry, 2017, 82, 10350-10359.	3.2	15
82	Bridge-Chlorinated Bicyclo[1.1.1]pentane-1,3-dicarboxylic Acids. Journal of Organic Chemistry, 2019, 84, 2448-2461.	3.2	15
83	Dimerization of Acetic Acid in the Gas Phaseâ€”NMR Experiments and Quantum-Chemical Calculations. Molecules, 2020, 25, 2150.	3.8	15
84	The Existence of a Nâ†’C Dative Bond in the C₆₀â€“Piperidine Complex. Angewandte Chemie - International Edition, 2021, 60, 1942-1950.	13.8	15
85	Redox Cycling in the Metabolism of the Environmental Pollutant and Suspected Human Carcinogen o-Anisidine by Rat and Rabbit Hepatic Microsomes. Chemical Research in Toxicology, 2008, 21, 1610-1621.	3.3	14
86	Synthesis of novel carbocyclic nucleoside analogues derived from 7-oxabicyclo[2.2.1]heptane-2-methanol. Collection of Czechoslovak Chemical Communications, 2009, 74, 487-502.	1.0	14
87	Synthesis and Properties of a Novel Type of Acyclic Nucleoside Phosphonates: 2â€(Purinâ€9â€yl)ethoxyphenylphosphonic Acids. European Journal of Organic Chemistry, 2010, 2010, 2885-2892.	2.4	14
88	Rearrangement of Dewar Benzene Derivatives Studied by DFT. Journal of Organic Chemistry, 2010, 75, 576-581.	3.2	14
89	The observed and calculated ¹H and ¹³C chemical shifts of tertiary amines and their Nâ€oxides. Magnetic Resonance in Chemistry, 2011, 49, 320-327.	1.9	14
90	Formation, Persistence, and Identification of DNA Adducts Formed by the Carcinogenic Environmental Pollutant o-Anisidine in Rats. Toxicological Sciences, 2012, 127, 348-359.	3.1	14

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91	Profiling and characterization of volatile secretions from the European stink bug Graphosoma lineatum (Heteroptera: Pentatomidae) by two-dimensional gas chromatography/time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 881-882, 69-75.	2.3	14
92	A Switchable Intramolecular Hydrogen Bond in Polysubstituted 5-Nitrosopyrimidines. Journal of Organic Chemistry, 2013, 78, 10121-10133.	3.2	14
93	NMR Studies of Purines. Annual Reports on NMR Spectroscopy, 2014, 82, 59-113.	1.5	14
94	Towards Accurate Predictions of Proton NMR Spectroscopic Parameters in Molecular Solids. ChemPhysChem, 2020, 21, 2075-2083.	2.1	14
95	Stuffed pumpkins: mechanochemical synthesis of hostâ€“guest complexes with cucurbit[7]uril. Chemical Communications, 2021, 57, 2132-2135.	4.1	14
96	Synthesis of Novel Carbocyclic Nucleoside Analogues Derived from 2-(Hydroxymethyl)bicyclo[2.2.1]heptane. Collection of Czechoslovak Chemical Communications, 2007, 72, 1523-1544.	1.0	13
97	An efficient oxa-Michael addition to diethyl vinylphosphonate under mild reaction conditions. RSC Advances, 2012, 2, 1282-1284.	3.6	13
98	Synthesis of novel azanorbornylpurine derivatives. Tetrahedron, 2012, 68, 1286-1298.	1.9	13
99	9-[2-(R)-(Phosphonomethoxy)propyl]-2,6-diaminopurine (R)-PMPDAP and its prodrugs: Optimized preparation, including identification of by-products formed, and antiviral evaluation in vitro. Bioorganic and Medicinal Chemistry, 2013, 21, 1199-1208.	3.0	13
100	Discovery of Modified Amidate (ProTide) Prodrugs of Tenofovir with Enhanced Antiviral Properties. Journal of Medicinal Chemistry, 2021, 64, 16425-16449.	6.4	13
101	The stability of covalent dative bond significantly increases with increasing solvent polarity. Nature Communications, 2022, 13, 2107.	12.8	13
102	Observed and calculated ¹H and ¹³C chemical shifts induced by the in situ oxidation of model sulfides to sulfoxides and sulfones. Magnetic Resonance in Chemistry, 2010, 48, 718-726.	1.9	12
103	Microwave assisted synthesis and solid-state characterization of lithocholyl amides of isomeric aminopyridines. Steroids, 2011, 76, 261-268.	1.8	12
104	A conversion of aromatic thiocyanates into sulfothioates: new synthetic route to aromatic Bunte salts. RSC Advances, 2013, 3, 2650.	3.6	12
105	Dynamics of water molecules and sodium ions in solid hydrates of nucleotides. CrystEngComm, 2014, 16, 6756-6764.	2.6	12
106	Mechanism of Formation of (Deoxy)guanosine Adducts Derived from Peroxidase-Catalyzed Oxidation of the Carcinogenic Nonaminoazo Dye 1-Phenylazo-2-hydroxynaphthalene (Sudan I). Chemical Research in Toxicology, 2009, 22, 1765-1773.	3.3	11
107	A novel type of acyclic nucleoside phosphonates derived from 2-(phosphonomethoxy)propanoic acid. Tetrahedron, 2012, 68, 4003-4012.	1.9	11
108	One-pot three-component route for the synthesis of S-trifluoromethyl dithiocarbamates using Togniâ€™s reagent. Beilstein Journal of Organic Chemistry, 2017, 13, 2502-2508.	2.2	11

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109	Decarboxylative Organocatalytic Allylic Amination of Moritaâ€“Baylisâ€“Hillman Carbamates. Chemistry - A European Journal, 2018, 24, 13441-13445.	3.3	11
110	Synthesis of Novel Carbocyclic Nucleosides and Pro-Tides Derived from 4-Oxatricyclo[4.2.1.03,7]nonane-9-methanol. Collection of Czechoslovak Chemical Communications, 2007, 72, 1331-1349.	1.0	11
111	Efficient one-pot synthesis of polysubstituted 6-[(1H-1,2,3-triazol-1-yl)methyl]uracils through the â€œclickâ€•protocol. Collection of Czechoslovak Chemical Communications, 2011, 76, 1121-1131.	1.0	10
112	Mechanism of the Isotopic Exchange Reaction of the 5â€H Hydrogen of Uracil Derivatives in Water and Nonprotic Solvents. European Journal of Organic Chemistry, 2011, 2011, 777-785.	2.4	10
113	8-Aza-7,9-dideazaxanthine acyclic nucleoside phosphonate inhibitors of thymidine phosphorylase. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 652-654.	2.2	10
114	Synthesis and antiviral activities of hexadecyloxypropyl prodrugs of acyclic nucleoside phosphonates containing guanine or hypoxanthine and a (S)-HPMP or PEE acyclic moiety. European Journal of Medicinal Chemistry, 2012, 55, 307-314.	5.5	10
115	Longâ€range heteronuclear coupling constants in 2,6â€disubstituted purine derivatives. Magnetic Resonance in Chemistry, 2012, 50, 295-298.	1.9	10
116	¹³C GIAO DFT calculation as a tool for configuration prediction of Nâ€“O group in saturated heterocyclic Nâ€oxides. Magnetic Resonance in Chemistry, 2012, 50, 415-423.	1.9	10
117	Synthesis and biological evaluation of guanidino analogues of roscovitine. European Journal of Medicinal Chemistry, 2013, 62, 443-452.	5.5	10
118	Dihydrogen contacts observed by through-space indirect NMR coupling. Chemical Science, 2018, 9, 7437-7446.	7.4	10
119	Stereoselectivity in Glycosylation with Deoxofluorinated Glucosazide and Galactosazide Thiodonors. Journal of Organic Chemistry, 2019, 84, 6405-6431.	3.2	10
120	Synthesis of Novel Carbocyclic Nucleoside Analogues Containing Bicyclo[2.2.1]hept-2-ene-2-methanol. Collection of Czechoslovak Chemical Communications, 2008, 73, 44-58.	1.0	9
121	Synthesis of novel racemic carbocyclic nucleosides derived from 5,6-disubstituted norbornene. Collection of Czechoslovak Chemical Communications, 2010, 75, 1-20.	1.0	9
122	The determination of sulfoxide configuration in six-membered rings using NMR spectroscopy and DFT calculations. Tetrahedron: Asymmetry, 2011, 22, 356-366.	1.8	9
123	Efficient synthesis and biological properties of the 2â€²-trifluoromethyl analogues of acyclic nucleosides and acyclic nucleoside phosphonates. Collection of Czechoslovak Chemical Communications, 2011, 76, 1187-1198.	1.0	9
124	Synthesis and evaluation of 17Î±-(carboranylalkyl)estradiols as ligands for estrogen receptors Î± and Î². Journal of Organometallic Chemistry, 2013, 747, 178-183.	1.8	9
125	Separation of planar rotamers through intramolecular hydrogen bonding in polysubstituted 5-nitrosopyrimidines. Chemical Communications, 2014, 50, 14892-14895.	4.1	9
126	Determination of the configuration in six-membered saturated heterocycles (N, P, S, Se) and their oxidation products using experimental and calculated NMR chemical shifts. Tetrahedron, 2014, 70, 3871-3886.	1.9	9

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127	Synthesis and structureâ€“activity relationship studies of polysubstituted pyrimidines as inhibitors of immune-activated nitric oxide production. Medicinal Chemistry Research, 2015, 24, 2154-2166.	2.4	9
128	Experimental and Theoretical Evidence of Spinâ€Orbit Heavy Atom on the Light Atom ¹Hâ€...NMR Chemical Shifts Induced through Hâ‹...â‹...â‹...I^{â˜†} Hydrogen Bond. Chemistry - A European Journal, 2020, 26, 8698-8702.	3.3	9
129	Structure-directed formation of the dative/covalent bonds in complexes with C₇₀â‹¯piperidine. Physical Chemistry Chemical Physics, 2021, 23, 4365-4375.	2.8	9
130	Bifunctional Acyclic Nucleoside Phosphonates: 2. Symmetrical 2-{[Bis(phosphono)methoxy]methyl}ethyl Derivatives of Purines and Pyrimidines. Collection of Czechoslovak Chemical Communications, 2007, 72, 965-983.	1.0	8
131	Synthesis of novel racemic carbocyclic nucleoside analogues derived from 4,8-dioxatricyclo[4.2.1.03,7]nonane-9-methanol and 4-oxatricyclo[4.3.1.03,7]decane-10-methanol, compounds with activity against Coxsackie viruses. Collection of Czechoslovak Chemical Communications, 2009, 74, 469-485.	1.0	8
132	Isotopic Exchange of Hydrogen at Câ€5 in Pyrimidine Derivatives: Tautomers with an sp³â€Hybridised Câ€5 Carbon Atom. European Journal of Organic Chemistry, 2009, 2009, 4117-4122.	2.4	8
133	The Synthesis and Conformation of Dihydroxypiperidinyl Derivates of Nucleobases as Novel Iminosugar Nucleoside Analogs. European Journal of Organic Chemistry, 2011, 2011, 2172-2187.	2.4	8
134	The Control of the Tautomeric Equilibrium of Isocytosine by Intermolecular Interactions. European Journal of Organic Chemistry, 2018, 2018, 5128-5135.	2.4	8
135	Use of remote acyl groups for stereoselective 1,2-cis-glycosylation with fluorinated glucosazide thiodonors. Organic and Biomolecular Chemistry, 2020, 18, 5427-5434.	2.8	8
136	Polyhalogenated Bicyclo[1.1.1]pentane-1,3-dicarboxylic Acids. Journal of Organic Chemistry, 2021, 86, 10303-10319.	3.2	8
137	Selectively Deoxyfluorinated Nâ€Acetyllactosamine Analogues as ¹⁹F NMR Probes to Study Carbohydrateâ€Galectin Interactions. Chemistry - A European Journal, 2021, 27, 13040-13051.	3.3	8
138	Synthesis of Analogues of Acyclic Nucleoside Diphosphates Containing a (Phosphonomethyl)phosphanyl Moiety and Studies of Their Phosphorylation. European Journal of Organic Chemistry, 2009, 2009, 1082-1092.	2.4	7
139	Compound instability in dimethyl sulphoxide, case studies with 5-aminopyrimidines and the implications for compound storage and screening. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6405-6409.	2.2	7
140	C⁶â€substituted purine derivatives: an experimental and theoretical ¹H, ¹³C and ¹⁵N NMR study. Magnetic Resonance in Chemistry, 2012, 50, 181-186.	1.9	7
141	Novel substituted 9-norbornylpurines and their activities against RNA viruses. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1963-1968.	2.2	7
142	Formation of gadoliniumâ€“ferritin from clinical magnetic resonance contrast agents. Nanoscale Advances, 2020, 2, 5567-5571.	4.6	7
143	Tautomerism of Guanine Analogues. Biomolecules, 2020, 10, 170.	4.0	7
144	Synthesis and In Vitro Evaluation of C-7 and C-8 Luteolin Derivatives as Influenza Endonuclease Inhibitors. International Journal of Molecular Sciences, 2021, 22, 7735.	4.1	7

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145	Paramagnetic encoding of molecules. Nature Communications, 2022, 13, .	12.8	7
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