

Martin Dracinsky

List of Publications by Year in descending order

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180
papers

3,280
citations

172386

29
h-index

276775

41
g-index

187
all docs

187
docs citations

187
times ranked

3887
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold nanoclusters with bright near-infrared photoluminescence. <i>Nanoscale</i> , 2018, 10, 3792-3798.	2.8	113
2	Computational Analysis of Solvent Effects in NMR Spectroscopy. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 288-299.	2.3	106
3	A molecular dynamics study of the effects of fast molecular motions on solid-state NMR parameters. <i>CrystEngComm</i> , 2013, 15, 8705.	1.3	77
4	New Pathway to C_2 -Symmetric Atropisomeric Bipyridine N,N' -Dioxides and Solvent Effect in Enantioselective Allylation of Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1449-1456.	2.1	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. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 3748-3754.	2.6	58
6	Conductivity of boron-doped polycrystalline diamond films: influence of specific boron defects. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	55
7	Mammalian peroxidases activate anticancer drug ellipticine to intermediates forming deoxyguanosine adducts in DNA identical to those found <i>in vivo</i> and generated from 12-hydroxyellipticine and 13-hydroxyellipticine. <i>International Journal of Cancer</i> , 2007, 120, 243-251.	2.3	54
8	Effects of Quantum Nuclear Delocalisation on NMR Parameters from Path Integral Molecular Dynamics. <i>Chemistry - A European Journal</i> , 2014, 20, 2201-2207.	1.7	52
9	Surface Inclusion of Unidirectional Molecular Motors in Hexagonal Tris(<i>o</i> -phenylene)cyclotriphosphazene. <i>Journal of the American Chemical Society</i> , 2017, 139, 10486-10498.	6.6	52
10	Relative importance of first and second derivatives of nuclear magnetic resonance chemical shifts and spin-spin coupling constants for vibrational averaging. <i>Journal of Chemical Physics</i> , 2009, 130, 094106.	1.2	49
11	Conformational Sampling by Ab Initio Molecular Dynamics Simulations Improves NMR Chemical Shift Predictions. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 3806-3815.	2.3	48
12	Structure of the Alanine Hydration Shell as Probed by NMR Chemical Shifts and Indirect Spin-Spin Coupling. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14698-14707.	1.2	47
13	Highly enantioselective organocatalytic cascade reaction for the synthesis of piperidines and oxazolidines. <i>Tetrahedron</i> , 2011, 67, 8942-8950.	1.0	44
14	Chemical Constituents of <i>Stereum subtomentosum</i> and Two Other Birch-Associated Basidiomycetes: An Interspecies Comparative Study. <i>Chemistry and Biodiversity</i> , 2008, 5, 743-750.	1.0	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. <i>Toxicology</i> , 2014, 318, 1-12.	2.0	41
16	Efficient and "green" microwave-assisted synthesis of haloalkylphosphonates via the Michaelis-Arbuzov reaction. <i>Green Chemistry</i> , 2011, 13, 882.	4.6	40
17	The optimized microwave-assisted decomposition of formamides and its synthetic utility in the amination reactions of purines. <i>Tetrahedron</i> , 2011, 67, 866-871.	1.0	38
18	Improving the accuracy of solid-state nuclear magnetic resonance chemical shift prediction with a simple molecular correction. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14992-15000.	1.3	38

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19	Tautomerism and the Protonation/Deprotonation of Isocytosine in Liquid and Solid States Studied by NMR Spectroscopy and Theoretical Calculations. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1544-1551.	1.2	37
20	Synthesis of 9-phosphonoalkyl and 9-phosphonoalkoxyalkyl purines: Evaluation of their ability to act as inhibitors of <i>Plasmodium falciparum</i> , <i>Plasmodium vivax</i> and human hypoxanthine-guanine (xanthine) phosphoribosyltransferases. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 1076-1089.	1.4	36
21	Acyclic nucleoside bisphosphonates: Synthesis and properties of chiral 2-amino-4,6-bis[(phosphonomethoxy)alkoxy]pyrimidines. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2408-2424.	2.6	35
22	Microwave-assisted hydrolysis of phosphonate diesters: an efficient protocol for the preparation of phosphonic acids. <i>Green Chemistry</i> , 2012, 14, 2282.	4.6	35
23	A Systematic Study of Coumarin-Tetrazine Light-Up Probes for Bioorthogonal Fluorescence Imaging. <i>Chemistry - A European Journal</i> , 2020, 26, 9945-9953.	1.7	35
24	Synthesis of Fluorinated Brassinosteroids Based on Alkene Cross-Metathesis and Preliminary Biological Assessment. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 5753-5757.	2.9	34
25	Ab initio modeling of fused silica, crystal quartz, and water Raman spectra. <i>Chemical Physics Letters</i> , 2011, 512, 54-59.	1.2	33
26	Internal dynamics in helical molecules studied by X-ray diffraction, NMR spectroscopy and DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2900-2907.	1.3	33
27	An efficient modification of ellipticine synthesis and preparation of 13-hydroxyellipticine. <i>Tetrahedron Letters</i> , 2007, 48, 6893-6895.	0.7	31
28	Design, synthesis, and biological evaluation of novel coxsackievirus B3 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 4374-4384.	1.4	31
29	Synthesis of Ester Prodrugs of 9-(<i>S</i>)-[3-Hydroxy-2-(phosphonomethoxy)propyl]-2,6-diaminopurine (HPMPDAP) as Anti-Poxvirus Agents. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6825-6837.	2.9	30
30	Theoretical Modeling of Magnesium Ion Imprints in the Raman Scattering of Water. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3574-3582.	1.2	30
31	Proton transfer in guanine-cytosine base pair analogues studied by NMR spectroscopy and PIMD simulations. <i>Faraday Discussions</i> , 2018, 212, 331-344.	1.6	28
32	Synthesis and Biological Evaluation of Phosphoester and Phosphorothioate Prodrugs of STING Agonist 3',3'-c-Di(2',2'-dAMP). <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7596-7616.	2.9	28
33	Synthesis and Biochemical Characterization of a Series of 17 β -Perfluoroalkylated Estradiols as Selective Ligands for Estrogen Receptor α . <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6947-6953.	2.9	27
34	Synthesis and antiviral activity of N9-[3-fluoro-2-(phosphonomethoxy)propyl] analogues derived from N6-substituted adenines and 2,6-diaminopurines. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2114-2124.	1.4	27
35	Solid-state NMR studies of nucleic acid components. <i>RSC Advances</i> , 2015, 5, 12300-12310.	1.7	27
36	The synthesis of piperidine nucleoside analogs—a comparison of several methods to access the introduction of nucleobases. <i>Tetrahedron</i> , 2011, 67, 1485-1500.	1.0	26

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37	Vibrational averaging of the chemical shift in crystalline L-glycine. <i>Journal of Computational Chemistry</i> , 2012, 33, 1080-1089.	1.5	26
38	Toward Reproducing Sequence Trends in Phosphorus Chemical Shifts for Nucleic Acids by MD/DFT Calculations. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 1641-1656.	2.3	26
39	Photoswitchable Intramolecular Hydrogen Bonds in 5-Phenylazopyrimidines Revealed By In Situ Irradiation NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2018, 24, 492-498.	1.7	26
40	Synthesis of purine N9-[2-hydroxy-3-O-(phosphonomethoxy)propyl] derivatives and their side-chain modified analogs as potential antimalarial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 1222-1230.	1.4	25
41	Computational and Experimental Evidence of Through-Space NMR Spectroscopic <i>J</i> Coupling of Hydrogen Atoms. <i>Chemistry - A European Journal</i> , 2012, 18, 981-986.	1.7	25
42	Resolution of Organic Polymorphic Crystals by Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7297-7307.	1.2	25
43	Bioorthogonal Fluorescence Turn-On Labeling Based on Bicyclic Tetrizine Cycloaddition Reactions that Form Pyridazine Products. <i>ChemPlusChem</i> , 2019, 84, 493-497.	1.3	25
44	A Conjugated, Covalent Phosphinine Framework. <i>Chemistry - A European Journal</i> , 2019, 25, 12342-12348.	1.7	24
45	Perfluoroalkylation through Cross-Metathesis between Alkenes and (Perfluoroalkyl)propenes. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4493-4499.	1.2	23
46	An efficient microwave-assisted synthesis and biological properties of polysubstituted pyrimidinyl- and 1,3,5-triazinylphosphonic acids. <i>Tetrahedron</i> , 2012, 68, 865-871.	1.0	23
47	Vibrational Properties of the Phosphate Group Investigated by Molecular Dynamics and Density Functional Theory. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10682-10692.	1.2	23
48	New prodrugs of Adefovir and Cidofovir. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3527-3539.	1.4	22
49	One-pot build-up procedure for the synthesis of variously substituted purine derivatives. <i>RSC Advances</i> , 2012, 2, 6970.	1.7	22
50	Design and Synthesis of Aza-Bicyclic Dienophiles for Rapid Fluorogenic Ligations. <i>Chemistry - A European Journal</i> , 2018, 24, 2426-2432.	1.7	22
51	Solution and Solid-State Effects on NMR Chemical Shifts in Sesquiterpene Lactones: NMR, X-ray, and Theoretical Methods. <i>Journal of Physical Chemistry A</i> , 2012, 116, 680-688.	1.1	21
52	Parallel variable selection of molecular dynamics clusters as a tool for calculation of spectroscopic properties. <i>Journal of Computational Chemistry</i> , 2013, 34, 366-371.	1.5	21
53	Synthesis and Evaluation of Novel Acyclic Nucleoside Phosphonates as Inhibitors of <i>Plasmodium falciparum</i> and Human Oxopurine Phosphoribosyltransferases. <i>ChemMedChem</i> , 2015, 10, 1707-1723.	1.6	21
54	Turkish <i>Scorzonera</i> Species Extracts Attenuate Cytokine Secretion via Inhibition of NF- κ B Activation, Showing Anti-Inflammatory Effect in Vitro. <i>Molecules</i> , 2016, 21, 43.	1.7	21

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55	Photoswitching Behavior of 5-Phenylazopyrimidines: In Situ Irradiation NMR and Optical Spectroscopy Combined with Theoretical Methods. <i>Journal of Organic Chemistry</i> , 2018, 83, 5986-5998.	1.7	21
56	An Extended Approach for the Development of Fluorogenic <i>trans</i> - ϵ -Cyclooctene-Tetrazine Cycloadditions. <i>ChemBioChem</i> , 2019, 20, 886-890.	1.3	21
57	SAR studies of 9-norbornylpurines as Coxsackievirus B3 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4271-4275.	1.0	20
58	5-Substituted 2-amino-4,6-dihoxypyrimidines and 2-amino-4,6-dichloropyrimidines: synthesis and inhibitory effects on immune-activated nitric oxide production. <i>Medicinal Chemistry Research</i> , 2014, 23, 4482-4490.	1.1	20
59	Resonance-assisted stabilisation of hydrogen bonds probed by NMR spectroscopy and path integral molecular dynamics. <i>Chemical Communications</i> , 2015, 51, 13986-13989.	2.2	20
60	Structurally Redesigning Bioorthogonal Reagents for Mitochondria-Specific Prodrug Activation. <i>JACS</i> , 2021, 1, 23-30.	3.6	20
61	Study of chemical stability of antivirally active 5-azacytosine acyclic nucleoside phosphonates using NMR spectroscopy. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 6778-6782.	1.4	19
62	Glycosylation Protects Proteins against Free Radicals Generated from Toxic Xenobiotics. <i>Toxicological Sciences</i> , 2010, 117, 359-374.	1.4	19
63	The effect of novel [3-fluoro-(2-phosphonoethoxy)propyl]purines on the inhibition of Plasmodium falciparum, Plasmodium vivax and human hypoxanthine-guanine(xanthine) phosphoribosyltransferases. <i>European Journal of Medicinal Chemistry</i> , 2013, 67, 81-89.	2.6	19
64	Analysis of local molecular motions of aromatic sidechains in proteins by 2D and 3D fast MAS NMR spectroscopy and quantum mechanical calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28789-28801.	1.3	19
65	Exploring Systematic Discrepancies in DFT Calculations of Chlorine Nuclear Quadrupole Couplings. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4103-4113.	1.1	19
66	Synthesis and Rearrangement of Dewar Benzenes Into Biaryls: Experimental Evidence for Conrotatory Ring Opening. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 47-51.	1.2	18
67	Bisamidate Prodrugs of 2-Substituted 9-(2-(Phosphonomethoxy)ethyl)adenine (PMEA, adefovir) as Selective Inhibitors of Adenylate Cyclase Toxin from <i>Bordetella pertussis</i> . <i>ChemMedChem</i> , 2015, 10, 1351-1364.	1.6	18
68	Synthesis and Evaluation of Asymmetric Acyclic Nucleoside Bisphosphonates as Inhibitors of <i>Plasmodium falciparum</i> and Human Hypoxanthine-Guanine(Xanthine) Phosphoribosyltransferase. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 7539-7554.	2.9	18
69	Bulk Inclusions of Double Pyridazine Molecular Rotors in Hexagonal Tris(o-phenylene)cyclotriphosphazene. <i>Journal of Organic Chemistry</i> , 2019, 84, 8449-8467.	1.7	18
70	Bifunctional acyclic nucleoside phosphonates: synthesis of chiral 9-{3-hydroxy[1,4-bis(phosphonomethoxy)]butan-2-yl} derivatives of purines. <i>Tetrahedron: Asymmetry</i> , 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. <i>Chemistry of Materials</i> , 2013, 25, 3710-3717.	3.2	17
72	Polymorphic Transformation of Drugs Induced by Glycopolymeric Vesicles Designed for Anticancer Therapy Probed by Solid-State NMR Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28278-28288.	4.0	17

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73	Polysubstituted 5-Phenylazopyrimidines: Extremely Fast Non-ionic Photochromic Oscillators. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15590-15594.	7.2	17
74	Norbornane as the novel pseudoglycone moiety in nucleosides. <i>Tetrahedron</i> , 2009, 65, 9291-9299.	1.0	16
75	The efficient synthesis of 2-arylpyrimidine acyclic nucleoside phosphonates using Liebeskind-Srogl cross-coupling reaction. <i>Tetrahedron</i> , 2011, 67, 7379-7385.	1.0	16
76	Norbornane-based nucleoside and nucleotide analogues locked in North conformation. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 184-191.	1.4	16
77	Regular Two-Dimensional Arrays of Surface-Mounted Molecular Switches: Switching Monitored by UV-vis and NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 9337-9351.	6.6	16
78	Synthesis of phosphonomethoxyethyl or 1,3-bis(phosphonomethoxy)propan-2-yl lipophilic esters of acyclic nucleoside phosphonates. <i>Tetrahedron</i> , 2007, 63, 11391-11398.	1.0	15
79	A convenient, high-yield synthesis of 1-substituted uracil and thymine derivatives. <i>Tetrahedron</i> , 2009, 65, 8513-8523.	1.0	15
80	From norbornane-based nucleotide analogs locked in South conformation to novel inhibitors of feline herpes virus. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2974-2983.	1.4	15
81	Influence of Intramolecular Charge Transfer and Nuclear Quantum Effects on Intramolecular Hydrogen Bonds in Azopyrimidines. <i>Journal of Organic Chemistry</i> , 2017, 82, 10350-10359.	1.7	15
82	Bridge-Chlorinated Bicyclo[1.1.1]pentane-1,3-dicarboxylic Acids. <i>Journal of Organic Chemistry</i> , 2019, 84, 2448-2461.	1.7	15
83	Dimerization of Acetic Acid in the Gas Phase—NMR Experiments and Quantum-Chemical Calculations. <i>Molecules</i> , 2020, 25, 2150.	1.7	15
84	The Existence of a N ⁺ C Dative Bond in the C ₆₀ -Piperidine Complex. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1942-1950.	7.2	15
85	Redox Cycling in the Metabolism of the Environmental Pollutant and Suspected Human Carcinogen <i>o</i> -Anisidine by Rat and Rabbit Hepatic Microsomes. <i>Chemical Research in Toxicology</i> , 2008, 21, 1610-1621.	1.7	14
86	Synthesis of novel carbocyclic nucleoside analogues derived from 7-oxabicyclo[2.2.1]heptane-2-methanol. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 487-502.	1.0	14
87	Synthesis and Properties of a Novel Type of Acyclic Nucleoside Phosphonates: 2-(Purin-9-yl)ethoxyphenylphosphonic Acids. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2885-2892.	1.2	14
88	Rearrangement of Dewar Benzene Derivatives Studied by DFT. <i>Journal of Organic Chemistry</i> , 2010, 75, 576-581.	1.7	14
89	The observed and calculated ¹ H and ¹³ C chemical shifts of tertiary amines and their N-oxides. <i>Magnetic Resonance in Chemistry</i> , 2011, 49, 320-327.	1.1	14
90	Formation, Persistence, and Identification of DNA Adducts Formed by the Carcinogenic Environmental Pollutant <i>o</i> -Anisidine in Rats. <i>Toxicological Sciences</i> , 2012, 127, 348-359.	1.4	14

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91	Profiling and characterization of volatile secretions from the European stink bug <i>Graphosoma lineatum</i> (Heteroptera: Pentatomidae) by two-dimensional gas chromatography/time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 881-882, 69-75.	1.2	14
92	A Switchable Intramolecular Hydrogen Bond in Polysubstituted 5-Nitrosopyrimidines. <i>Journal of Organic Chemistry</i> , 2013, 78, 10121-10133.	1.7	14
93	NMR Studies of Purines. <i>Annual Reports on NMR Spectroscopy</i> , 2014, 82, 59-113.	0.7	14
94	Towards Accurate Predictions of Proton NMR Spectroscopic Parameters in Molecular Solids. <i>ChemPhysChem</i> , 2020, 21, 2075-2083.	1.0	14
95	Stuffed pumpkins: mechanochemical synthesis of host-guest complexes with cucurbit[7]uril. <i>Chemical Communications</i> , 2021, 57, 2132-2135.	2.2	14
96	Synthesis of Novel Carbocyclic Nucleoside Analogues Derived from 2-(Hydroxymethyl)bicyclo[2.2.1]heptane. <i>Collection of Czechoslovak Chemical Communications</i> , 2007, 72, 1523-1544.	1.0	13
97	An efficient oxa-Michael addition to diethyl vinylphosphonate under mild reaction conditions. <i>RSC Advances</i> , 2012, 2, 1282-1284.	1.7	13
98	Synthesis of novel azanorbonyl-purine derivatives. <i>Tetrahedron</i> , 2012, 68, 1286-1298.	1.0	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. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1199-1208.	1.4	13
100	Discovery of Modified Amidate (ProTide) Prodrugs of Tenofovir with Enhanced Antiviral Properties. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16425-16449.	2.9	13
101	The stability of covalent dative bond significantly increases with increasing solvent polarity. <i>Nature Communications</i> , 2022, 13, 2107.	5.8	13
102	Observed and calculated ¹ H and ¹³ C chemical shifts induced by the in situ oxidation of model sulfides to sulfoxides and sulfones. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, 718-726.	1.1	12
103	Microwave assisted synthesis and solid-state characterization of lithocholyl amides of isomeric aminopyridines. <i>Steroids</i> , 2011, 76, 261-268.	0.8	12
104	A conversion of aromatic thiocyanates into sulfothioates: new synthetic route to aromatic Bunte salts. <i>RSC Advances</i> , 2013, 3, 2650.	1.7	12
105	Dynamics of water molecules and sodium ions in solid hydrates of nucleotides. <i>CrystEngComm</i> , 2014, 16, 6756-6764.	1.3	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). <i>Chemical Research in Toxicology</i> , 2009, 22, 1765-1773.	1.7	11
107	A novel type of acyclic nucleoside phosphonates derived from 2-(phosphonomethoxy)propanoic acid. <i>Tetrahedron</i> , 2012, 68, 4003-4012.	1.0	11
108	One-pot three-component route for the synthesis of S-trifluoromethyl dithiocarbamates using Togni's reagent. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2502-2508.	1.3	11

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109	Decarboxylative Organocatalytic Allylic Amination of Morita-Baylis-Hillman Carbamates. <i>Chemistry - A European Journal</i> , 2018, 24, 13441-13445.	1.7	11
110	Synthesis of Novel Carbocyclic Nucleosides and Pro-Tides Derived from 4-Oxatricyclo[4.2.1.0 ^{3,7}]nonane-9-methanol. <i>Collection of Czechoslovak Chemical Communications</i> , 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 "click" protocol. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1121-1131.	1.0	10
112	Mechanism of the Isotopic Exchange Reaction of the 5- ² H Hydrogen of Uracil Derivatives in Water and Nonprotic Solvents. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 777-785.	1.2	10
113	8-Aza-7,9-dideazaxanthine acyclic nucleoside phosphonate inhibitors of thymidine phosphorylase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 652-654.	1.0	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. <i>European Journal of Medicinal Chemistry</i> , 2012, 55, 307-314.	2.6	10
115	Long-range heteronuclear coupling constants in 2,6-disubstituted purine derivatives. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 295-298.	1.1	10
116	¹³ C GIAO DFT calculation as a tool for configuration prediction of N=O group in saturated heterocyclic N-oxides. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 415-423.	1.1	10
117	Synthesis and biological evaluation of guanidino analogues of roscovitine. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 443-452.	2.6	10
118	Dihydrogen contacts observed by through-space indirect NMR coupling. <i>Chemical Science</i> , 2018, 9, 7437-7446.	3.7	10
119	Stereoselectivity in Glycosylation with Deoxofluorinated Glucosazide and Galactosazide Thiondonors. <i>Journal of Organic Chemistry</i> , 2019, 84, 6405-6431.	1.7	10
120	Synthesis of Novel Carbocyclic Nucleoside Analogues Containing Bicyclo[2.2.1]hept-2-ene-2-methanol. <i>Collection of Czechoslovak Chemical Communications</i> , 2008, 73, 44-58.	1.0	9
121	Synthesis of novel racemic carbocyclic nucleosides derived from 5,6-disubstituted norbornene. <i>Collection of Czechoslovak Chemical Communications</i> , 2010, 75, 1-20.	1.0	9
122	The determination of sulfoxide configuration in six-membered rings using NMR spectroscopy and DFT calculations. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 356-366.	1.8	9
123	Efficient synthesis and biological properties of the 2-trifluoromethyl analogues of acyclic nucleosides and acyclic nucleoside phosphonates. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1187-1198.	1.0	9
124	Synthesis and evaluation of 17 β -(carboranylalkyl)estradiols as ligands for estrogen receptors α and β . <i>Journal of Organometallic Chemistry</i> , 2013, 747, 178-183.	0.8	9
125	Separation of planar rotamers through intramolecular hydrogen bonding in polysubstituted 5-nitrosopyrimidines. <i>Chemical Communications</i> , 2014, 50, 14892-14895.	2.2	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. <i>Tetrahedron</i> , 2014, 70, 3871-3886.	1.0	9

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127	Synthesis and structure-activity relationship studies of polysubstituted pyrimidines as inhibitors of immune-activated nitric oxide production. <i>Medicinal Chemistry Research</i> , 2015, 24, 2154-2166.	1.1	9
128	Experimental and Theoretical Evidence of Spin-Orbit Heavy Atom on the Light Atom ¹ H...NMR Chemical Shifts Induced through H...N... Hydrogen Bond. <i>Chemistry - A European Journal</i> , 2020, 26, 8698-8702.	1.7	9
129	Structure-directed formation of the dative/covalent bonds in complexes with C ₇₀ -piperidine. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4365-4375.	1.3	9
130	Bifunctional Acyclic Nucleoside Phosphonates: 2. Symmetrical 2-[[Bis(phosphono)methoxy]methyl]ethyl Derivatives of Purines and Pyrimidines. <i>Collection of Czechoslovak Chemical Communications</i> , 2007, 72, 965-983.	1.0	8
131	Synthesis of novel racemic carbocyclic nucleoside analogues derived from 4,8-dioxatricyclo[4.2.1.0 ^{3,7}]nonane-9-methanol and 4-oxatricyclo[4.3.1.0 ^{3,7}]decane-10-methanol, compounds with activity against Coxsackie viruses. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 469-485.	1.0	8
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