Jacek Stawinski

List of Publications by Year
in descending order

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225	4,829	117625	128289
papers	citations	34 h-index	60 g-index

257	257	257	2291
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Arylsulfonyltetrazoles, new coupling reagents and further improvements in the triester method for the synthesis of deoxyribooligonucleotides1. Nucleic Acids Research, 1977, 4, 353-371.	14.5	251
2	Nucleoside H-phosphonates. III. Chemical synthesis of oligodeoxyribonucleotides by the hydrogenphosphonate approach. Tetrahedron Letters, 1986, 27, 4051-4054.	1.4	179
3	Microwave-Assisted Palladium-Catalyzed Cross-Coupling of Aryl and Vinyl Halides with H-Phosphonate Diesters. Organic Letters, 2008, 10, 4637-4640.	4.6	174
4	How To Get the Most Out of Two Phosphorus Chemistries. Studies on H-Phosphonates. Accounts of Chemical Research, 2002, 35, 952-960.	15.6	166
5	Preparation of Arylphosphonates by Palladium(0)â€Catalyzed Crossâ€Coupling in the Presence of Acetate Additives: Synthetic and Mechanistic Studies. Advanced Synthesis and Catalysis, 2009, 351, 3207-3216.	4.3	147
6	A general method for the synthesis of glycerophospholipids and their analogs via H-phosphonate intermediates. Journal of Organic Chemistry, 1989, 54, 1338-1342.	3.2	132
7	A general method for inserting specific DNA sequences into cloning vehicles. Gene, 1976, 1, 81-92.	2.2	114
8	Nucleoside H-phosphonates. IV. Automated solid phase synthesis of oligoribonucleotides by the hydrogenphosphonate approach. Tetrahedron Letters, 1986, 27, 4055-4058.	1.4	111
9	Studies on aryl H-phosphonates. I. An efficient method for the preparation of deoxyribo- and ribonucleoside 3â€²-H-phosphonate monoesters by transesterification of diphenyl H-phosphonate. Tetrahedron Letters, 1994, 35, 3355-3358.	1.4	111
10	Synthesis and QSAR study of novel cytotoxic spiro[3H-indole-3,2â€²(1â€²H)-pyrrolo[3,4-c]pyrrole]-2,3â€²,5â€²(1H,2â€²aH,4â€²H)-triones. European Journal of Medicinal Chemistry, 2012, 47, 312-322.	3.1	100
11	Cloned synthetic lac operator DNA is biologically active. Nature, 1976, 263, 744-748.	27.8	89
12	Pd(0)-Catalyzed Phosphorusâ^'Carbon Bond Formation. Mechanistic and Synthetic Studies on the Role of the Palladium Sources and Anionic Additives. Organometallics, 2007, 26, 5840-5847.	2.3	82
13	Studies on the t-butyldimethylsilyl group as 2'-O-protection in oligoribonucleotide synthesis via the H-phosphonate approach. Nucleic Acids Research, 1988, 16, 9285-9298.	14.5	81
14	Arylsulfonyltetrazoles as highly efficient condensing reagents for polynucleotide synthesis. Canadian Journal of Chemistry, 1976, 54, 670-672.	1.1	79
15	Palladium-Catalyzed Câ^'P Bond Formation: Mechanistic Studies on the Ligand Substitution and the Reductive Elimination. An Intramolecular Catalysis by the Acetate Group in Pd^{II}Complexes. Organometallics, 2008, 27, 5876-5888.	2.3	79
16	Minimal length of the lactose operator sequence for the specific recognition by the lactose repressor.. Proceedings of the National Academy of Sciences of the United States of America, 1977, 74, 966-970.	7.1	73
17	H-Phosphonates: Versatile synthetic precursors to biologically active phosphorus compounds. Pure and Applied Chemistry, 2007, 79, 2217-2227.	1.9	72
18	Design, synthesis and QSAR studies of dispiroindole derivatives asÂnew antiproliferative agents. European Journal of Medicinal Chemistry, 2013, 68, 339-351.	5.5	65

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19	Nucleoside H-phosphonates. X. Studies on nucleoside hydrogenphosphonothioate diester synthesis. Tetrahedron Letters, 1989, 30, 2157-2160.	1.4	64
20	Palladium-Catalyzed Propargylic Substitution with Phosphorus Nucleophiles: Efficient, Stereoselective Synthesis of Allenylphosphonates and Related Compounds. Organic Letters, 2010, 12, 4702-4704.	4.6	61
21	Nucleoside phosphonates: part 7. Studies on the oxidation of nucleoside phosphonate esters. Journal of the Chemical Society Perkin Transactions 1, 1987, , 1269-1273.	0.9	58
22	Nucleoside 3'-phosphotriesters as key intermediates for the oligoribonucleotide synthesis. IV. New method for removal of 2,2,2-trichioroethyl group and31NMR as a new tool for analysis of deblocking of intemucleotide phosphate protecting groups. Nucleic Acids Research, 1977, 4, 2321-2330.	14.5	54
23	Nucleoside H-phosphonates. 12. Synthesis of nucleoside 3'-(hydrogen phosphonothioate) monoesters via phosphinate intermediates. Journal of Organic Chemistry, 1990, 55, 3503-3506.	3.2	54
24	Aryl nucleoside H-phosphonates. Part 15: Synthesis, properties and, anti-HIV activity of aryl nucleoside 5â€²-Î±-hydroxyphosphonates. Bioorganic and Medicinal Chemistry, 2006, 14, 1924-1934.	3.0	52
25	Nucleoside H-Phosphonates. V. The Mechanism of Hydrogenphosphonate Diester Formation Using Acyl Chlorides as Coupling Agents in Oligonucleotide Synthesis by the Hydrogenphosphonate Approach. Nucleosides, Nucleotides and Nucleic Acids, 1987, 6, 655-662.	1.1	50
26	The chemical synthesis of the anticodon loop of an eukaryotic initiator tRNA containing the hypermodified nucleoside N6-/N-threonylcarbonyl/-adenosine/t6A/1. Nucleic Acids Research, 1978, 5, 1889-1905.	14.5	49
27	Novel, Stereoselective and Stereospecific Synthesis of Allenylphosphonates and Related Compounds via Palladiumâ€Catalyzed Propargylic Substitution. Advanced Synthesis and Catalysis, 2011, 353, 1741-1755.	4.3	47
28	Synthesis of diribonucleoside phosphorothioates via stereospecific sulfuration of H-phosphonate diesters. Journal of Organic Chemistry, 1992, 57, 6163-6169.	3.2	44
29	Nucleoside H-phosphonates. 14. Synthesis of nucleoside phosphoroselenoates and phosphorothioselenoates via stereospecific selenization of the corresponding H-phosphonate and H-phosphonothioate diesters with the aid of new selenium-transfer reagent, 3H-1,2-benzothiaselenol-3-one. Journal of Organic Chemistry, 1994, 59, 130-136.	3.2	42
30	Studies on aryl H-phosphonates. 3. Mechanistic investigations related to the disproportionation of diphenyl H-phosphonate under anhydrous basic conditions. Tetrahedron, 1996, 52, 9931-9944.	1.9	42
31	Nucleoside H-Phosphonates. XI. A Convenient Method for the Preparation of Nucleoside H-Phosphonates. Nucleosides & Nucleotides, 1990, 9, 129-135.	0.5	41
32	A new selenium-transferring reagentâ€"triphenylphosphine selenide. Chemical Communications, 2001, , 771-772.	4.1	40
33	A facile access to nucleoside phosphorofluoridate, nucleoside phosphorofluoridothioate, and nucleoside phosphorofluoridodithioate monoesters. Tetrahedron Letters, 1996, 37, 5739-5742.	1.4	36
34	Synthesis of dinucleoside pyridylphosphonates involving palladium(0)-catalysed phosphorusâ€"carbon bond formation as a key step. Chemical Communications, 2001, , 2564-2565.	4.1	36
35	Phosphoryl tris-triazole - a new phosphorylating reagent. Tetrahedron Letters, 1980, 21, 2935-2936.	1.4	35
36	Efficient synthesis of mono- and diarylphosphinic acids: a microwave-assisted palladium-catalyzed cross-coupling of aryl halides with phosphinate. Tetrahedron, 2009, 65, 10406-10412.	1.9	35

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37	Nucleoside 3'-H-phosphonates. 8. Activation of hydrogen phosphonate monoesters by chlorophosphates and arenesulfonyl derivatives. Journal of Organic Chemistry, 1987, 52, 284-287.	3.2	34
38	A new approach to the synthesis of the 5â€²-deoxy-5â€²-methylphosphonate linked thymidine oligonucleotide analogues. Nucleic Acids Research, 1995, 23, 893-900.	14.5	34
39	Benzoyltetrazole: a mild benzoylating reagent for nucleosides. Journal of the Chemical Society Chemical Communications, 1976, , 243.	2.0	32
40	Studies on Aryl H-Phosphonates; Part 2: A General Method for the Preparation of Alkyl H-Phosphonate Monoesters. Synthesis, 1995, 1995, 427-430.	2.3	32
41	Iodine-promoted silylation of alcohols with silyl chlorides. Synthetic and mechanistic studies. Tetrahedron, 2008, 64, 8843-8850.	1.9	32
42	Stereospecific oxidation and oxidative coupling of H-phosphonate and H-phosphonothioate diesters. Tetrahedron Letters, 1992, 33, 3185-3188.	1.4	31
43	Regioselective and stereospecific acylation across oxirane- and silyloxy systems as a novel strategy to the synthesis of enantiomerically pure mono-, di- and triglycerides. Organic and Biomolecular Chemistry, 2007, 5, 3787.	2.8	31
44	Preparation of benzylphosphonates via a palladium(0)-catalyzed cross-coupling of H-phosphonate diesters with benzyl halides. Synthetic and mechanistic studies. New Journal of Chemistry, 2010, 34, 967.	2.8	31
45	Nucleoside H-Phosphonates. 17. Synthetic and31P NMR Studies on the Preparation of Dinucleoside H-Phosphonothioates. Journal of Organic Chemistry, 1996, 61, 6617-6622.	3.2	30
46	A phosphorus nuclear magnetic resonance spectroscopic study of the conversion of hydroxy groups into iodo groups in carbohydrates using the iodineâ€“triphenylphosphineâ€“imidazole reagent. Journal of the Chemical Society Perkin Transactions II, 1987, , 271-274.	0.9	29
47	Nucleoside H-phosphonates. 13. Studies on 3H-1,2-benzodithiol-3-one derivatives as sulfurizing reagents for H-phosphonate and H-phosphonothioate diesters. Journal of Organic Chemistry, 1991, 56, 5169-5175.	3.2	29
48	Solid support synthesis of all-Rp-oligo(ribonucleoside phosphorothioate)s. Nucleic Acids Research, 1996, 24, 3811-3820.	14.5	29
49	NucleosideH-Phosphonates. 18. Synthesis of Unprotected Nucleoside 5â€˜-H-Phosphonates and Nucleoside 5â€˜-H-Phosphonothioates and Their Conversion into the 5â€˜-Phosphorothioate and 5â€˜-Phosphorodithioate Monoesters. Journal of Organic Chemistry, 1998, 63, 8150-8156.	3.2	29
50	2-Pyridylphosphonates: a new type of modification for nucleotide analogues. Tetrahedron Letters, 2001, 42, 2217-2220.	1.4	29
51	Novel DNA analogues with 2-, 3- and 4-pyridylphosphonate internucleotide bonds: synthesis and hybridization properties. New Journal of Chemistry, 2003, 27, 1698.	2.8	29
52	Photochemistry of Di(deoxyribonucleoside) Methylphosphonates Containing N3-Methyl-4-thiothymine. Journal of Organic Chemistry, 1994, 59, 7273-7283.	3.2	28
53	Reinvestigation of the 31P NMR evidence for the formation of diorganyl phosphoropyridinium intermediates. Perkin Transactions II RSC, 2001, , 2263-2266.	1.1	28
54	Regioselective opening of an oxirane system with trifluoroacetic anhydride. A general method for the synthesis of 2-monoacyl- and 1,3-symmetrical triacylglycerols. Tetrahedron, 2005, 61, 3659-3669.	1.9	28

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55	Nucleoside H-Phosphonates. IX. Possible Side-Reactions During Hydrogen Phosphonate Diester Formation. Nucleosides & Nucleotides, 1988, 7, 23-35.	0.5	27
56	5â€²-Hydrogenphosphonates of anti-HIV nucleoside analogues revisited: controversial mode of action. Antiviral Research, 1993, 22, 143-153.	4.1	27
57	Aryl H-phosphonates. 7. Studies on the formation of phosphorus-carbon bond in the reaction of trityl and benzyl halides with dialkyl and diphenyl H-phosphonates. Tetrahedron, 1997, 53, 12691-12698.	1.9	27
58	Aryl H-Phosphonates. 6. Synthetic Studies on the Preparation of Nucleoside N-Alkyl-H-phosphonamidates. Journal of Organic Chemistry, 1997, 62, 4791-4794.	3.2	26
59	ArylH-Phosphonates 17: (N-Aryl)phosphoramidates of Pyrimidine Nucleoside Analogues and Their Synthesis, Selected Properties, and Anti-HIV Activity. Journal of Medicinal Chemistry, 2011, 54, 6482-6491.	6.4	26
60	3H-1,2-benzothiaselenol-3-one. A new selenizing reagent for nucleoside H-phosphonate and H-phosphonothioate diesters. Tetrahedron Letters, 1992, 33, 7255-7258.	1.4	25
61	A new synthetic method for the preparation of nucleoside phosphoramidate analogues with the nitrogen atom in bridging positions of the phosphoramidate linkage. Tetrahedron Letters, 1998, 39, 1219-1222.	1.4	23
62	Nucleoside Phosphonates. Development of Synthetic Methods and Reagents. Nucleosides & Nucleotides, 1996, 15, 361-378.	0.5	22
63	Synthesis and DFT studies of an antitumor active spiro-oxindole. New Journal of Chemistry, 2015, 39, 8017-8027.	2.8	22
64	The case of sulfonation in the chemical synthesis of oligonucleotides. Nucleic Acids Research, 1980, 8, 2301-2306.	14.5	21
65	A new type of nucleotide analogue with 4-pyridylphosphonate internucleotide linkage. Tetrahedron Letters, 1999, 40, 4263-4266.	1.4	21
66	ArylH-Phosphonates. 12. Synthetic and31P NMR Studies on the Preparation of NucleosideH-Phosphonothioate and NucleosideH-Phosphonodithioate Monoesters. Journal of Organic Chemistry, 2000, 65, 7049-7054.	3.2	21
67	Aryl H-phosphonates. 10. Synthesis of nucleoside phosphoramidate and nucleoside phosphoramidothioate analogues via H-phosphonamidate intermediates. Tetrahedron, 1999, 55, 11579-11588.	1.9	20
68	Studies Towards Synthesis of Dinucleoside Arylphosphonates with Metal Complexing Properties. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1459-1461.	1.1	20
69	Aryl nucleoside H-phosphonates. Part 16: Synthesis and anti-HIV-1 activity of di-aryl nucleoside phosphotriesters. Bioorganic and Medicinal Chemistry, 2009, 17, 3489-3498.	3.0	20
70	Some Chemical and Stereochemical Aspects of Ribonucleoside H-Phosphonate and H-Phosphonothioate Diester Synthesis. Nucleosides & Nucleotides, 1991, 10, 511-514.	0.5	18
71	Nucleoside H-Phosphonates. 15. Preparation of Nucleoside H-Phosphonothioate Monoesters from the Corresponding Nucleoside H-Phosphonates. Journal of Organic Chemistry, 1995, 60, 8241-8244.	3.2	18
72	Novel, regioselective transformation of an oxirane system. An efficient approach to the synthesis of endocannabinoid 2-arachidonoylglycerol. Tetrahedron Letters, 2002, 43, 1759-1761.	1.4	18

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73	3-H-2,1-benzoxathiol-3-one 1-oxide - a new reagent for stereospecific oxidation of nucleoside H-phosphonothioate diesters. Tetrahedron Letters, 1992, 33, 3189-3192.	1.4	17
74	Synthesis of stereochemically homogeneous oligoribonucleoside all-RP-phosphorothioates by combining H-phosphonate chemistry and enzymatic digestion. Journal of the Chemical Society Chemical Communications, 1994, , 1459-1460.	2.0	17
75	A new, efficient entry to nucleoside 2â€²,3â€²-O,O-cyclophosphorothioates. Tetrahedron Letters, 2000, 41, 2227-2229.	1.4	17
76	A new approach to stereospecific synthesis of P-chiral phosphorothioates. Preparation of diastereomeric dithymidyl-(3â€²-5â€²) phosphorothioates. Chemical Communications, 2004, , 290-291.	4.1	17
77	Studies on reactions of nucleoside H-phosphonates with bifunctional reagents. Part 2. Stability of nucleoside H-phosphonate diesters in the presence of amino alcohols. Journal of the Chemical Society Perkin Transactions 1, 1994, , 1803-1808.	0.9	16
78	Nucleotide Analogues Containing the P-F Bond. An Overview of the Synthetic Methods. Nucleosides, Nucleotides and Nucleic Acids, 1998, 17, 663-680.	1.1	16
79	Controlling stereochemistry during oxidative coupling. Preparation of Rp or Sp phosphoramidates from one P-chiral precursor. Chemical Communications, 2004, , 2566.	4.1	16
80	Studies on the activation pathway of phosphonic acid using acyl chlorides as activators. Journal of the Chemical Society Perkin Transactions II, 1990, , 849.	0.9	15
81	9-Fluorenemethyl H-phosphonothioate, a versatile reagent for the preparation of H-phosphonothioate, phosphorothioate, and phosphorodithioate monoesters. Tetrahedron Letters, 1997, 38, 2007-2010.	1.4	15
82	The reaction of diphenyl and dialkyl phosphorochloridates with 1,8-diazabicyclo[5.4.0]undec-7-ene (DBU). Formation of phosphonate diesters via Nâ†'C phosphorus migration. Journal of the Chemical Society Perkin Transactions II, 1999, , 2071-2075.	0.9	15
83	Stereospecific and regioselective opening of an oxirane system. A new efficient entry to 1- or 3-monoacyl- and 1- or 3-monoalkyl-sn-glycerols. Tetrahedron Letters, 2005, 46, 1601-1605.	1.4	15
84	The role of nucleophilic catalysis in chemistry and stereochemistry of ribonucleosideH-phosphonate condensation. New Journal of Chemistry, 2009, 33, 164-170.	2.8	15
85	Recent Advances in H-Phosphonate Chemistry. Part 1. H-Phosphonate Esters: Synthesis and Basic Reactions. Topics in Current Chemistry, 2014, 361, 137-177.	4.0	15
86	Aryl H-phosphonates. Part IV. A new method for internucleotide bond formation based on transesterification of aryl nucleoside H-phosphonate diesters. Tetrahedron Letters, 1996, 37, 4561-4564.	1.4	14
87	A new method for the formation of the Pâ€“F bond. Chemical Communications, 1997, , 991-992.	4.1	14
88	The case for configurational stability of H-phosphonate diesters in the presence of diazabicyclo[5.4.0]undec-7-ene (DBU). Bioorganic and Medicinal Chemistry, 2001, 9, 2315-2322.	3.0	14
89	Studies on Ribonucleoside Hydrogenphosphonates. Effect of a Vicinal Hydroxyl Function on the Stability of H-Phosphonate Diester Bond. Nucleosides & Nucleotides, 1988, 7, 321-337.	0.5	13
90	A new method for the synthesis of nucleoside 2â€²,3â€²-O,O-cyclic phosphorodithioates via aryl cyclic phosphites as intermediates. Tetrahedron Letters, 2001, 42, 8055-8058.	1.4	13

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91	Nucleoside H-phosphonates. Part 19: Novel nucleotide analoguesâ€"H-phosphonoselenoate mono- and diesters. Tetrahedron Letters, 2002, 43, 515-518.	1.4	13
92	Regioselective and Stereospecific Halosilylating Cleavage of the Oxirane System of Glycidol Derivatives as an Efficient Strategy to C2â€‹i>O</i>â€Functionalized C3â€Vicinal Halohydrins. European Journal of Organic Chemistry, 2008, 2008, 2635-2643.	2.4	13
93	The Case for the Intermediacy of Monomeric Metaphosphate Analogues during Oxidation of H-Phosphonothioate, H-Phosphonodithioate, and H-Phosphonoselenoate Monoesters: Mechanistic and Synthetic Studies. Journal of Organic Chemistry, 2008, 73, 5029-5038.	3.2	13
94	A new entry to nucleoside phosphorofluoridate and nucleoside phosphorofluoridothioate diesters. Tetrahedron Letters, 1996, 37, 3537-3540.	1.4	12
95	The Reactions of H-Phosphonates with Bifunctional Reagents. V. Functionalization of Support-Bound Oligonucleotides and Synthesis of Nonradioactive Hybridization Probes. Nucleosides, Nucleotides and Nucleic Acids, 1998, 17, 253-267.	1.1	12
96	Studies on the reaction of trityl derivatives withH-phosphonate diesters: Their relevance to the synthesis of 4-pyridylphosphonates. Heteroatom Chemistry, 1999, 10, 492-499.	0.7	12
97	Theoretical investigations on the mechanism of chalcogens exchange reaction between P(V) and P(III) compounds. Journal of Organometallic Chemistry, 2005, 690, 2571-2576.	1.8	12
98	A New, Efficient Entry to Non-Lipophilic H-Phosphonate Monoesters â€" Preparation of Anti-HIV Nucleotide Analogues. Letters in Organic Chemistry, 2009, 6, 496-499.	0.5	12
99	New 3â€²-O-aromatic acyl-5-fluoro-2â€²-deoxyuridine derivatives as potential anticancer agents. European Journal of Medicinal Chemistry, 2016, 115, 41-52.	5.5	12
100	Synthesis and some conformational features of the 5â€²-deoxy-5â€²-methylphosphonate linked dimer,		

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109	Studies on reactions of nucleoside H-phosphonates with bifunctional reagents. Part 1. Reaction with amino alcohols. Journal of the Chemical Society Perkin Transactions 1, 1993, , 1699-1704.	0.9	10
110	Aryl Hî—¸phosphonates. 8. Simple and efficient method forv the preparation of nucleoside Hî—¸phosphonothioate monoesters. Tetrahedron Letters, 1999, 40, 3945-3948.	1.4	10
111	Aryl H-phosphonates. Part 11. Synthetic and 31P NMR studies on the formation of aryl nucleoside H-phosphonatesâ€Šâ€. Journal of the Chemical Society Perkin Transactions 1, 1999, , 3327-3331.	0.9	10
112	Nucleoside H-phosphonates. Part 19: Efficient entry to novel nucleotide analogues with 2-pyridyl- and 4-pyridylphosphonothioate internucleotide linkages. Tetrahedron, 2004, 60, 389-395.	1.9	10
113	A proposal for a convenient notation forP-chiral nucleotide analogues. Part 2. Dinucleoside monophosphate analogues. Nucleosides, Nucleotides and Nucleic Acids, 2006, 25, 1363-1375.	1.1	10
114	Stereochemistry of Internucleotide Bond Formation by theH-Phosphonate Method. 5. The Role of BrÃ¸nsted and H-Bonding Base Catalysis in RibonucleosideH-Phosphonate Condensationâ€"Chemical and Stereochemical Consequences. Nucleosides, Nucleotides and Nucleic Acids, 2010, 29, 628-645.	1.1	10
115	Computational Study of the Mechanism and Selectivity of Palladium-Catalyzed Propargylic Substitution with Phosphorus Nucleophiles. Chemistry - A European Journal, 2012, 18, 12424-12436.	3.3	10
116	Reaction of Boranephosphonate Diesters with Amines in the Presence of Iodine: The Case for the Intermediacy of H-Phosphonate Derivatives. Journal of Organic Chemistry, 2018, 83, 5496-5505.	3.2	10
117	H-Phosphonate Chemistry in the Synthesis of Electrically Neutral and Charged Antiviral and Anticancer Pronucleotides. Frontiers in Chemistry, 2020, 8, 595738.	3.6	10
118	Studies on the reaction of nucleoside phosphorodiesters with aryl sulfonyl chlorides. Tetrahedron Letters, 1986, 27, 2665-2666.	1.4	9
119	Studies on the Oxidation of Nucleoside Hydrogenphosphonates. Nucleosides & Nucleotides, 1987, 6, 429-432.	0.5	9
120	Studies on reactions of nucleoside H-phosphonate diesters with bifunctional reagents. Part 4. Chemoselectivity during oxidative coupling of nucleoside H-phosphonate diesters with amino alcohols controlled by protonation of the amino function. Tetrahedron Letters, 1995, 36, 2295-2298.	1.4	9
121	A Proposal for a New Stereochemical Notation forP-Chiral Nucleotide Analogues and Related Compounds. Nucleosides, Nucleotides and Nucleic Acids, 2005, 24, 1301-1307.	1.1	9
122	Molecular and crystal structure of Sp-thymidin-3'-yl 4-thiothymidin-5'-yl methylphosphonate. Nucleic Acids Research, 1993, 21, 3921-3926.	14.5	8
123	Synthesis and Anti-Retroviral Activity ofO,Oâ€²-BIS(3â€²-Azido-2â€²,3â€²-Dideoxythymidin-5â€²-yl) Phosphoramidate Derivatives. Nucleosides & Nucleotides, 1999, 18, 2317-2325.	0.5	8
124	Studies on Reactions of Nucleoside H-Phosphonates with Bifunctional Reagents. Part VI. Reaction with Diols. Nucleosides, Nucleotides and Nucleic Acids, 2000, 19, 1487-1503.	1.1	8
125	Nucleoside 3â€²,5â€²-Cyclic H-Phosphonates, New Useful Precursors for the Synthesis of Nucleoside 3â€²,5â€²-Cyclic Phosphates and Their Analogues. Organic Letters, 2013, 15, 4082-4085.	4.6	8
126	Studies on the preparation of nucleoside H-phosphonothioates. Collection of Czechoslovak Chemical Communications, 1990, 55, 141-144.	1.0	8

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127	Iodine and Iodine Catalysed Phosphorylation of Nucleosides by Phosphorodiester Derivatives. Nucleosides & Nucleotides, 1987, 6, 815-820.	0.5	7
128	Nucleoside H-phosphonates. Part 16.31P NMR studies on the transformation of nucleoside H-phosphonate monoesters into a monofunctional tervalent intermediate, nucleoside acyl silyl phosphite. Journal of the Chemical Society Perkin Transactions II, 1996, , 795-799.	0.9	7
129	A direct transformation of O-silyl groups into O-trichloroacetates. A novel synthetic approach to protein kinase C ligands: 1-oleoyl-2-acetyl- and 1-hexadecyl-2-acetyl-sn-glycerols. Tetrahedron Letters, 2005, 46, 6855-6859.	1.4	7
130	Regioselective and stereospecific cleavage of a terminal oxirane system: A novel synthetic approach to lipid mediator congenersâ€"1,2(2,3)-diacyl-3(1)-halo-sn-glycerols. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 3388-3391.	2.2	7
131	On the Sulfurization of H-Phosphonate Diesters and Phosphite Triesters Using Elemental Sulfur. Phosphorus, Sulfur and Silicon and the Related Elements, 2009, 184, 908-916.	1.6	7
132	Aryl H-phosphonates. 19. New anti-HIV pronucleotide phosphoramidate diesters containing amino- and hydroxypyridine auxiliaries. European Journal of Medicinal Chemistry, 2019, 164, 47-58.	5.5	7
133	Synthetic studies on the preparation of dinucleoside phenylphosphonates and phenylphosphonothioates via palladium(0) catalysed cross-coupling. , 2005, , .		7
134	FTIR Study on Nucleotide Analogues. 1. Spectral Characterization of Dinucleoside Methylphosphonates and Dinucleoside 5â€²- Methylenephosphonates in Solution and in Solid Phase. Journal of Biomolecular Structure and Dynamics, 1997, 15, 119-128.	3.5	6
135	Studies on enzymatic hydrolysis of thymidin-3â€²-yl thymidin-5â€²-yl phosphorofluoridates and the corresponding phosphorothiofluoridates. Chemical Communications, 1999, , 2115-2116.	4.1	6
136	Di- and Oligonucleotide Synthesis Using <I>H</I>-Phosphonate Chemistry. , 2005, , 081-100.		6
137	Direct Acylation across a Silyloxy System of Glycerol with Carboxylic Acid Anhydrides: A Novel Strategy to the Prodrug Carrier Modules - 1,3-Diacyl-sn-glycerols. Synlett, 2005, 2005, 2587-2590.	1.8	6
138	Stereochemistry of Internucleotide Bond Formation by the H-Phosphonate Method. 1. Synthesis and 31P Nmr Analysis of 16 Diribonulceoside (3â€²-5â€²)-H-Phosphonates and the Corresponding Phosphorothioates. Nucleosides, Nucleotides and Nucleic Acids, 2005, 24, 1469-1484.	1.1	6
139	A CAUTIONARY NOTE ON THE USE OF THE 31P NMR SPECTROSCOPY IN STEREOCHEMICAL CORRELATION ANALYSIS. Nucleosides, Nucleotides and Nucleic Acids, 2005, 24, 1033-1036.	1.1	6
140	Efficient, highly regioselective, and stereospecific conversion of glycidol systems into C2-O-acylated vicinal halohydrins. Tetrahedron Letters, 2006, 47, 2543-2547.	1.4	6
141	New antiglioma zwitterionic pronucleotides with an FdUMP framework. European Journal of Medicinal Chemistry, 2018, 144, 682-691.	5.5	6
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