

Pal Herczegh

List of Publications by Year in descending order

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112
papers

1,681
citations

331670

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122
docs citations

122
times ranked

1696
citing authors

#	ARTICLE	IF	CITATIONS
1	Osteoadsorptive Bisphosphonate Derivatives of Fluoroquinolone Antibacterials. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 2338-2341.	6.4	75
2	New insights into the mechanism of phenolic oxidation with phenyliodonium(III) reagents. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 379-380.	0.9	73
3	Synthesis of S-Linked Glycoconjugates and S-Disaccharides by Thiolâ€“Ene Coupling Reaction of Enoses. <i>Organic Letters</i> , 2012, 14, 4650-4653.	4.6	71
4	Synthesis of osteotropic hydroxybisphosphonate derivatives of fluoroquinolone antibacterials. <i>European Journal of Medicinal Chemistry</i> , 2012, 47, 615-618.	5.5	51
5	Anti-influenza virus activity and structureâ€“activity relationship of aglycoristocetin derivatives with cyclobutenedione carrying hydrophobic chains. <i>Antiviral Research</i> , 2009, 82, 89-94.	4.1	49
6	Elaboration of a novel type of interglycosidic linkage: syntheses of disulfide disaccharides. <i>Tetrahedron Letters</i> , 2001, 42, 3901-3903.	1.4	48
7	Cycloaddition reactions of carbohydrate derivatives. Part IV. Synthesis of a tetrahydroxyindolizidine through a cyclic nitron prepared from D-xylose.. <i>Tetrahedron Letters</i> , 1993, 34, 1211-1214.	1.4	44
8	Diazo Transferâ€“Click Reaction Route to New, Lipophilic Teicoplanin and Ristocetin Aglycon Derivatives with High Antibacterial and Anti-influenza Virus Activity: An Aggregation and Receptor Binding Study. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 6053-6061.	6.4	44
9	Systematic study on free radical hydrothiolation of unsaturated monosaccharide derivatives with exo- and endocyclic double bonds. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5339.	2.8	42
10	Synthesis and Cytotoxicity of Leinamycin Antibiotic Analogues. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 5626-5630.	6.4	36
11	Cycloaddition Reactions of Carbohydrate Derivatives. Part III. A New Route to Swainsonine Analogs.. <i>Tetrahedron Letters</i> , 1992, 33, 3133-3136.	1.4	31
12	Intracytoplasmic Trapping of Influenza Virus by a Lipophilic Derivative of Aglycoristocetin. <i>Journal of Virology</i> , 2012, 86, 9416-9431.	3.4	31
13	Formation of squaric acid amides of anthracycline antibiotics. Synthesis and cytotoxic properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 4783-4789.	2.2	29
14	Cycloaddition reactions of carbohydrate derivatives. Part VI. Quinolizidine analogs of castanospermine. <i>Tetrahedron</i> , 1995, 51, 2969-2978.	1.9	28
15	Synthesis of a cluster-forming sialylthio-d-galactose fullerene conjugate and evaluation of its interaction with influenza virus hemagglutinin and neuraminidase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2420-2423.	2.2	28
16	Tricyclanos: conformationally constrained nucleoside analogues with a new heterotricycle obtained from a <sc>d</sc>-ribofuranose unit. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 393-401.	2.8	28
17	Thiazole C-nucleosides. III. Synthesis of pyranose analogues of tiazofurin. <i>Tetrahedron</i> , 1991, 47, 5539-5548.	1.9	27
18	Comparative biocompatibility and antimicrobial studies of sorbic acid derivates. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 143, 105162.	4.0	25

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19	Sulfonic acid analogues of the sialyl Lewis X tetrasaccharide. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 549-566.	1.8	23
20	Semisynthetic teicoplanin derivatives as new influenza virus binding inhibitors: Synthesis and antiviral studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3251-3254.	2.2	23
21	A low-temperature, photoinduced thiol-ene click reaction: a mild and efficient method for the synthesis of sugar-modified nucleosides. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9226-9233.	2.8	23
22	Promotion of a Reaction by Cooling: Stereoselective 1,2-Cis- α -Thioglycoconjugation by Thiol-ene Coupling at -80°C . <i>Chemistry - A European Journal</i> , 2018, 24, 4532-4536.	3.3	22
23	Cycloaddition reactions leading to carbohydrate derivatives part I. Hetero diels-alder reaction of monosaccharide O-thioformates. <i>Tetrahedron Letters</i> , 1986, 27, 1509-1512.	1.4	21
24	Synthesis and biological evaluation of lipophilic teicoplanin pseudoaglycon derivatives containing a substituted triazole function. <i>Journal of Antibiotics</i> , 2017, 70, 152-157.	2.0	21
25	Sulfonomethyl analogues of aldose-2-ulosonic acids. Synthesis of a new sialyl Lewis X analogue. <i>Tetrahedron Letters</i> , 1999, 40, 3639-3642.	1.4	20
26	Synthesis and antibacterial evaluation of some teicoplanin pseudoaglycon derivatives containing alkyl- and arylthio-substituted maleimides. <i>Journal of Antibiotics</i> , 2015, 68, 579-585.	2.0	20
27	A New Class of Semisynthetic Anthracycline Glycoside Antibiotics Incorporating a Squaric Acid Moiety. <i>Journal of Antibiotics</i> , 2005, 58, 704-714.	2.0	19
28	Click reaction synthesis of carbohydrate derivatives from ristocetin aglycon with antibacterial and antiviral activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 2713-2717.	2.2	19
29	A three-component reagent system for rapid and mild removal of O-, N- and S-trityl protecting groups. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3190-3192.	2.8	19
30	Tartraldehides I. Synthesis of N-acetyl-D- and L-daunosamine and their xylo isomers. <i>Tetrahedron Letters</i> , 1990, 31, 1195-1198.	1.4	18
31	A New Series of Glycopeptide Antibiotics Incorporating a Squaric Acid Moiety. <i>Journal of Antibiotics</i> , 2006, 59, 564-582.	2.0	18
32	Nano-sized clusters of a teicoplanin β -aglycon-fullerene conjugate. Synthesis, antibacterial activity and aggregation studies. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 943-948.	5.5	18
33	Cycloaddition reactions of carbohydrate derivatives. Part V. A hetero Diels-Alder approach to swainsonine analogs. <i>Tetrahedron</i> , 1994, 50, 13671-13686.	1.9	17
34	Synthesis of β -D-galactofuranosyl nucleoside analogues. A new type of β -D-galactofuranosidase inhibitor. <i>Carbohydrate Research</i> , 2001, 333, 123-128.	2.3	17
35	Synthesis of isoindole and benzoisoindole derivatives of teicoplanin pseudoaglycon with remarkable antibacterial and antiviral activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 7092-7096.	2.2	17
36	Structure-activity relationship studies of lipophilic teicoplanin pseudoaglycon derivatives as new anti-influenza virus agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 1017-1030.	5.5	17

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37	Reprogramming of the Antibacterial Drug Vancomycin Results in Potent Antiviral Agents Devoid of Antibacterial Activity. <i>Pharmaceuticals</i> , 2020, 13, 139.	3.8	17
38	Intramolecular reactions of compounds derived from sugars. Part II.1 Stereo-controlled intramolecular diels-alder cyclizations of 16(E,Z),8-nonatrienes and 1-AZA-6(E,Z),8-nonatrienes. <i>Tetrahedron</i> , 1989, 45, 2793-2802.	1.9	16
39	2-acetamido-2-deoxy-5-thio-D-glucopyranose (5-thio-N-acetyl-D-glucosamine). <i>Carbohydrate Research</i> , 1981, 90, 138-143.	2.3	15
40	Cycloaddition reactions of carbohydrate derivatives. Part 7: [3+2] cycloadditions of chiral nitrilimines. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 3359-3363.	1.8	15
41	Stereoselective Thioconjugation by Photoinduced Thiol-ene Coupling Reactions of Hexo- and Pentopyranosyl d- and l- Glycals at Low-temperature Reactivity and Stereoselectivity Study. <i>Chemistry - A European Journal</i> , 2019, 25, 14555-14571.	3.3	15
42	Synthesis of Antiviral Perfluoroalkyl Derivatives of Teicoplanin and Vancomycin. <i>ChemMedChem</i> , 2020, 15, 1661-1671.	3.2	15
43	Synthesis of monosaccharides by oxidation of furfural derivatives. <i>Carbohydrate Research</i> , 1976, 52, 11-16.	2.3	13
44	Synthesis of conagenin analogs modified at 3-carbon atom. <i>Tetrahedron</i> , 1997, 53, 13883-13896.	1.9	13
45	N-Glycosylthioureido Aglyco-ristocetins without Platelet Aggregation Activity. <i>Journal of Antibiotics</i> , 2007, 60, 529-533.	2.0	13
46	Rapid synthesis of self-assembling 1,2-thiomannobioside glycoconjugates as potential multivalent ligands of mannose-binding lectins. <i>Tetrahedron Letters</i> , 2014, 55, 6983-6986.	1.4	13
47	Lipophilic teicoplanin pseudoaglycon derivatives are active against vancomycin- and teicoplanin-resistant enterococci. <i>Journal of Antibiotics</i> , 2017, 70, 664-670.	2.0	13
48	Fluorescence assay to predict activity of the glycopeptide antibiotics. <i>Journal of Antibiotics</i> , 2019, 72, 114-117.	2.0	13
49	Synthesis of Derivatives of 2,6-Dideoxy-2,2-Difluoro-3-O-Methyl-l-Arabinopyranose (2,2-Difluorooleandrose). <i>Journal of Carbohydrate Chemistry</i> , 1989, 8, 103-113.	1.1	12
50	Inter- and Intramolecular Diels-Alder Reactions of Sugar Derivatives. <i>ACS Symposium Series</i> , 1992, , 112-130.	0.5	12
51	Novel and Simple Synthesis of Carboxyl-Terminated Polyisobutylenes. <i>Macromolecules</i> , 2005, 38, 4043-4046.	4.8	12
52	New semisynthetic teicoplanin derivatives have comparable in vitro activity to that of oritavancin against clinical isolates of VRE. <i>Journal of Antibiotics</i> , 2019, 72, 524-534.	2.0	12
53	Studies on the complexation of polyols and carbohydrates with excess borate using thermospray mass spectrometry. <i>Organic Mass Spectrometry</i> , 1993, 28, 780-784.	1.3	11
54	Synthesis of fluorescent ristocetin aglycon derivatives with remarkable antibacterial and antiviral activities. <i>European Journal of Medicinal Chemistry</i> , 2012, 58, 361-367.	5.5	11

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55	A few atoms make the difference: Synthetic, CD, NMR and computational studies on antiviral and antibacterial activities of glycopeptide antibiotic aglycon derivatives. <i>European Journal of Medicinal Chemistry</i> , 2015, 94, 73-86.	5.5	11
56	Complete stereoselectivity in the intramolecular diels-alder reaction of a triene derivative from d-xylose. <i>Tetrahedron Letters</i> , 1988, 29, 481-484.	1.4	10
57	Tartraldehydes II. Synthesis of D- and L-diginose and D- and L-sarmentose. <i>Tetrahedron</i> , 1991, 47, 1541-1546.	1.9	10
58	First synthesis of conagenin diastereoisomers. <i>Tetrahedron Letters</i> , 1996, 37, 2499-2502.	1.4	10
59	Cycloaddition reactions of carbohydrate derivatives. Part 8: Intramolecular cycloaddition of nitrilimines derived from sugars. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 469-476.	1.8	10
60	Matrix-assisted laser desorption/ionization mass spectrometric study of bis(imidazole-1-carboxylate) endfunctionalized polymers. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 117-123.	2.8	10
61	Tightly linked morpholino-nucleoside chimeras: new, compact cationic oligonucleotide analogues. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8711-8721.	2.8	10
62	Thiazole C-nucleosides IV. An entry to pent-1- ϵ^2 -enopyranosylthiazole derivatives. <i>Tetrahedron</i> , 1991, 47, 5549-5560.	1.9	9
63	Tartraldehydes III. Synthesis of N-benzoyl-L-ristosamine and -L-acosamine. <i>Tetrahedron</i> , 1991, 47, 7837-7844.	1.9	9
64	New Types of Telechelic Polyisobutylenes, 1. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1073-1077.	3.9	9
65	Synthesis and antimicrobial activity of ciprofloxacin and norfloxacin permanently bonded to polyethylene glycol by a thiourea linker. <i>Journal of Antibiotics</i> , 2009, 62, 113-116.	2.0	9
66	SYNTHESIS OF 2-DEOXYALDONONITRILES BY CHAIN ELONGATION OF MONOSACCHARIDE DIETHYL DITHIOACETALS. <i>Organic Preparations and Procedures International</i> , 1978, 10, 211-214.	1.3	8
67	Pentathiomonoorthooxalates. <i>Tetrahedron</i> , 1988, 44, 2063-2066.	1.9	8
68	Intramolecular reactions of compounds derived from sugars. Part III. High diastereoselection in the intramolecular diels-alder reaction of sugar based 1,7(E,Z),9-decatrienes. <i>Tetrahedron</i> , 1989, 45, 5995-6002.	1.9	8
69	Synthesis and Cytostatic Effect of 3- ϵ^{TM} -deoxy-3- ϵ^{TM} -C-Sulfanylmethyl Nucleoside Derivatives with d-xylo Configuration. <i>Molecules</i> , 2019, 24, 2173.	3.8	8
70	N-Terminal guanidine derivatives of teicoplanin antibiotics strongly active against glycopeptide resistant <i>Enterococcus faecium</i> . <i>Journal of Antibiotics</i> , 2020, 73, 603-614.	2.0	8
71	Photoinitiated Thiol \sim Ene Reactions of Various 2,3-Unsaturated α -O- β -C-S- and α -N-Glycosides α - Scope and Limitations Study. <i>Chemistry - an Asian Journal</i> , 2020, 15, 876-891.	3.3	8
72	A route to functionalized branched-chain amino sugars via nitrous acid promoted spiroaziridine formation. <i>Journal of Organic Chemistry</i> , 1988, 53, 4616-4618.	3.2	7

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73	The Effect of Systematic Structural Modifications on the Antibacterial Activity of Novel Oxazolidinones. <i>Medicinal Chemistry</i> , 2011, 7, 45-55.	1.5	7
74	Basic Pharmacological Characterization of EV-34, a New H ₂ S-Releasing Ibuprofen Derivative. <i>Molecules</i> , 2021, 26, 599.	3.8	7
75	Natural Apocarotenoids and Their Synthetic Glycopeptide Conjugates Inhibit SARS-CoV-2 Replication. <i>Pharmaceuticals</i> , 2021, 14, 1111.	3.8	7
76	Cephalosporins containing carbohydrates.. <i>Journal of Antibiotics</i> , 1985, 38, 1273-1276.	2.0	6
77	Synthesis of 3,4-dideoxy-dl-hex-3-enopyranosides from 5-hydroxymethyl-2-furaldehyde. <i>Carbohydrate Research</i> , 1987, 164, 465-469.	2.3	6
78	Tartraldehides, 4. Synthesis of D- and L-rhodinose. <i>Liebigs Annalen Der Chemie</i> , 1991, 1991, 599-600.	0.8	6
79	Pentodialdose mercaptal derivatives: New chiral C5 synthetic building blocks. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 2261-2264.	1.8	6
80	First synthesis of a dihydroorotidine analogue via a diastereoselective [2+2] photocycloaddition. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 283-287.	1.8	6
81	Incorporation of the bioactive moiety of leinamycin into thymidine. <i>Tetrahedron Letters</i> , 2004, 45, 4307-4309.	1.4	6
82	Supramolecular Polymers Based on the Quadruplex Formation of Ditopic Guanosine Macromonomers in Nonaqueous Media. <i>Langmuir</i> , 2007, 23, 5283-5285.	3.5	6
83	Synthesis of a pericosine analogue with a bicyclo[2.2.2]octene skeleton. <i>Tetrahedron</i> , 2009, 65, 8171-8175.	1.9	6
84	Synthesis of lipid II phosphonate analogues. <i>Carbohydrate Research</i> , 2011, 346, 1628-1632.	2.3	6
85	Conjugation of Bioactive Molecules to a Fluorescent Dithiomaleimide by Photoinitiated and BEt ₃ -initiated Thio-click Reactions. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7675-7681.	2.4	6
86	A new, vasoactive hybrid aspirin containing nitrogen monoxide-releasing molsidomine moiety. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 131, 159-166.	4.0	6
87	Chemistry of Biologically Important Hydroxylated Indolizidines Synthesis of Swainsonine, Castanospermine and Slaframine. , 1993, , 751-828.		6
88	Synthesis and oligomerization of cysteinyl nucleosides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8161-8178.	2.8	6
89	The Very First Modification of Pleuromutilin and Lefamulin by Photoinitiated Radical Addition Reactions—Synthesis and Antibacterial Studies. <i>Pharmaceutics</i> , 2021, 13, 2028.	4.5	6
90	Synthesis and self-assembly behavior study of 1,10-dicarboxylate poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (glycol). <i>Polymer Science Part A</i> , 2007, 45, 5149-5155.	2.3	5

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91	Template effect of vancomycin aglycon in the oxidative oligomerization of 1,6-dithio-d-mannitol: A MALDI-TOF MS and solvent effect study. <i>Carbohydrate Polymers</i> , 2008, 73, 1-7.	10.2	5
92	A new synthesis of 3,4,6-trideoxy-DL-hex-3-enopyranosides. <i>Carbohydrate Research</i> , 1977, 54, 292-294.	2.3	4
93	2D NMR spectra of oligosaccharides enhanced by band-selective suppression of unwanted signals. <i>Tetrahedron Letters</i> , 2000, 41, 393-396.	1.4	4
94	Deoxy-adenosine-monophosphate (dAMP) di-n-butylester induces apoptosis by increasing the dATP level in HL-60 cells. <i>Cancer Letters</i> , 2006, 235, 281-290.	7.2	4
95	Application of Squaric Acid Esters in Aminodeoxy Sugar Chemistry. <i>Chemistry Letters</i> , 2007, 36, 1012-1013.	1.3	4
96	Bacterial Cell Wall Analogue Peptides Control the Oligomeric States and Activity of the Glycopeptide Antibiotic Eremomycin: Solution NMR and Antimicrobial Studies. <i>Pharmaceuticals</i> , 2021, 14, 83.	3.8	4
97	The First Dimeric Derivatives of the Glycopeptide Antibiotic Teicoplanin. <i>Pharmaceuticals</i> , 2022, 15, 77.	3.8	4
98	Tartraldehydes 5:1Syntheses of Chiral Synthetic Building Blocks for Some Intermediates of the Arachidonic Acid Cascade. <i>Journal of Carbohydrate Chemistry</i> , 1992, 11, 867-880.	1.1	3
99	Aminotelechelic: A convenient synthesis and characterization of primary amino-terminated telechelic poly(propylene glycol) and polyisobutylene. <i>Journal of Polymer Science Part A</i> , 2004, 42, 587-596.	2.3	3
100	Synthesis of 3-oxagranatane-type alkaloid analogs from carbohydrates. <i>Tetrahedron</i> , 2001, 57, 235-239.	1.9	2
101	New types of Î±-amylase enzyme-inhibitory polysaccharides from d-glucal. <i>Carbohydrate Polymers</i> , 2006, 63, 136-140.	10.2	2
102	A synthetic and in silico study on the highly regioselective Diels-Alder reaction of the polyenic antifungal antibiotics natamycin and flavofungin. <i>Tetrahedron Letters</i> , 2010, 51, 4968-4971.	1.4	2
103	Synthesis of ether-linked [60]fullerene glycoconjugates by nucleophilic cyclopropanation. <i>Chemical Papers</i> , 2015, 69, .	2.2	2
104	Synthesis of a sialic acid derivative of ristocetin aglycone as an inhibitor of influenza virus. <i>Chemical Papers</i> , 2015, 69, .	2.2	2
105	Reactions of 2-Deoxy-4, 5- <i>O</i> -Isopropylidene-D-Erythro- and D-Threo-Pent-1-Enose Derivatives. <i>Journal of Carbohydrate Chemistry</i> , 1990, 9, 585-599.	1.1	1
106	Synthesis of cephalosporins carrying isoxazolyl acetamido and related side chains. <i>Chemistry of Heterocyclic Compounds</i> , 1998, 34, 1296-1307.	1.2	1
107	Tandem mass spectrometric study of ciprofloxacin-poly(ethylene glycol) conjugate in the presence of alkali metal ions. <i>International Journal of Mass Spectrometry</i> , 2008, 275, 104-109.	1.5	1
108	A new and simple polycondensation method for the synthesis of sulfur-linked isoindole-phenylene based blue light-emitting copolymers. <i>European Polymer Journal</i> , 2013, 49, 549-557.	5.4	1

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109	Dataset on structure, stability and myocardial effects of a new hybrid aspirin containing nitrogen monoxide-releasing molsidomine moiety. <i>Data in Brief</i> , 2019, 25, 104146.	1.0	1
110	Synthesis, structural, and biological studies on a pseudodisaccharide containing a bicyclic, bridged carba-sugar. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1404-1410.	1.8	0
111	Teicoplanin Derivatives Impact on West Nile Virus Pathogenesis. <i>Proceedings (mdpi)</i> , 2020, 50, .	0.2	0
112	Two Novel Semisynthetic Lipoglycopeptides Active against <i>Staphylococcus aureus</i> Biofilms and Cells in Late Stationary Growth Phase. <i>Pharmaceuticals</i> , 2021, 14, 1182.	3.8	0