Helen Osborn

List of Publications by Year
in descending order

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58	2,557	257450	189892
papers	citations	24 h-index	50 g-index

59	59	59	3517
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantitative Standards of 4â€Oâ€Acetylâ€•and 9â€Oâ€Acetylâ€Nâ€Acetylneuraminic Acid for the Analysis of Plasma and Serum. ChemBioChem, 2022, 23, .	2.6	4
2	Sialic acid as a potential biomarker for cardiovascular disease, diabetes and cancer. Biomarkers in Medicine, 2021, 15, 911-928.	1.4	10
3	Synthesis and antibacterial profiles of targeted triclosan derivatives. European Journal of Medicinal Chemistry, 2019, 162, 51-58.	5.5	15
4	A Solution NMR Approach To Determine the Chemical Structures of Carbohydrates Using the Hydroxyl Groups as Starting Points. ACS Omega, 2018, 3, 17957-17975.	3.5	25
5	Impact of specific functional groups in flavonoids on the modulation of platelet activation. Scientific Reports, 2018, 8, 9528.	3.3	24
6	Analysis of Three Epoetin Alpha Products by LC and LC-MS Indicates Differences in Glycosylation Critical Quality Attributes, Including Sialic Acid Content. Analytical Chemistry, 2017, 89, 6455-6462.	6.5	25
7	Feasibility of polymer-drug conjugates for non-cancer applications. Current Opinion in Colloid and Interface Science, 2017, 31, 51-66.	7.4	16
8	Ruthenium-conjugated chrysin analogues modulate platelet activity, thrombus formation and haemostasis with enhanced efficacy. Scientific Reports, 2017, 7, 5738.	3.3	41
9	Parameters Affecting the Enhanced Permeability and Retention Effect: The Need for Patient Selection. Journal of Pharmaceutical Sciences, 2017, 106, 3179-3187.	3.3	110
10	Synthesis and biological analysis of novel glycoside derivatives of l-AEP, as targeted antibacterial agents. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3774-3779.	2.2	5
11	Thioflavones as novel neuroprotective agents. Bioorganic and Medicinal Chemistry, 2016, 24, 5513-5520.	3.0	10
12	A novel PEGâ€“haloperidol conjugate with a non-degradable linker shows the feasibility of using polymerâ€“drug conjugates in a non-prodrug fashion. Polymer Chemistry, 2016, 7, 7204-7210.	3.9	8
13	Novel synthesised flavone derivatives provide significant insight into the structural features required for enhanced anti-proliferative activity. RSC Advances, 2016, 6, 64544-64556.	3.6	26
14	Exploring quercetin and luteolin derivatives as antiangiogenic agents. European Journal of Medicinal Chemistry, 2015, 97, 259-274.	5.5	47
15	Sialic acids in biological and therapeutic processes: opportunities and challenges. Future Medicinal Chemistry, 2015, 7, 2285-2299.	2.3	26
16	Impact of the Enhanced Permeability and Retention (EPR) Effect and Cathepsins Levels on the Activity of Polymer-Drug Conjugates. Polymers, 2014, 6, 2186-2220.	4.5	34
17	Flavonoids as prospective compounds for anti-cancer therapy. International Journal of Biochemistry and Cell Biology, 2013, 45, 2821-2831.	2.8	428
18	Preparation and ring-opening reactions of N-diphenylphosphinyl vinyl aziridines. Beilstein Journal of Organic Chemistry, 2013, 9, 852-859.	2.2	12

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19	Synthesis and Biological Evaluation of a Polyglutamic Acidâ€“Dopamine Conjugate: A New Antiangiogenic Agent. Journal of Medicinal Chemistry, 2011, 54, 5255-5259.	6.4	12
20	Synthesis and glycosidase inhibitory profiles of functionalised morpholines and oxazepanes. Bioorganic and Medicinal Chemistry, 2011, 19, 5679-5692.	3.0	34
21	Regioselective Beckmann rearrangements of furanoside and pyranoside-derived oximes. Tetrahedron: Asymmetry, 2011, 22, 109-116.	1.8	7
22	Rapid Synthesis of Carbohydrate Derivatives, Including Mimetics of C-Linked Disaccharides and C-Linked Aza Disaccharides, Using the Hetero-Dielsâ^'Alder Reaction. Journal of Organic Chemistry, 2010, 75, 7210-7218.	3.2	15
23	Synthesis of poly(aspartimide)-based bio-glycoconjugates. Carbohydrate Research, 2010, 345, 33-40.	2.3	10
24	Synthesis and NMR spectroscopic analysis of 3-nitro-pyranoside, 3-nitro-septanoside and 4-nitro-septanoside derivatives by condensation of the anion of nitromethane with glycoside dialdehydes. Tetrahedron: Asymmetry, 2009, 20, 2162-2166.	1.8	6
25	Synthesis of S-linked carbohydrate analogues via a Ferrier reaction. Tetrahedron, 2008, 64, 2832-2854.	1.9	41
26	Synthesis and Evaluation of Novel Boron-Containing Complexes of Potential Use for the Selective Treatment of Malignant Melanoma. Journal of Medicinal Chemistry, 2008, 51, 6604-6608.	6.4	14
27	Alterations in Receptor Binding Properties of Recent Human Influenza H3N2 Viruses Are Associated with Reduced Natural Killer Cell Lysis of Infected Cells. Journal of Virology, 2007, 81, 11170-11178.	3.4	52
28	Probing the receptor interactions of an H5 avian influenza virus using a baculovirus expression system and functionalised poly(acrylic acid) ligands. Bioorganic and Medicinal Chemistry, 2007, 15, 4038-4047.	3.0	13
29	Neoglycolipid Probes Prepared via Oxime Ligation for Microarray Analysis of Oligosaccharide-Protein Interactions. Chemistry and Biology, 2007, 14, 847-859.	6.0	126
30	Preparation of enantiopure long chain threo-2-amino-3-hydroxyesters via chiral morpholinone-derived azomethine ylids. Canadian Journal of Chemistry, 2006, 84, 1448-1455.	1.1	9
31	Analysis of Chain and Blood Group Type and Branching Pattern of Sialylated Oligosaccharides by Negative Ion Electrospray Tandem Mass Spectrometry. Analytical Chemistry, 2006, 78, 1581-1592.	6.5	39
32	A new entry to 4,6-O-benzylidene glucal from phenyl 1-seleno-Î±-d-mannopyranoside. Tetrahedron: Asymmetry, 2005, 16, 1935-1937.	1.8	4
33	Development of New Methodologies for Entry to Targets of Therapeutic Interest. Synlett, 2005, 2005, 2571-2586.	1.8	2
34	New prodrugs derived from 6-aminodopamine and 4-aminophenol as candidates for melanocyte-directed enzyme prodrug therapy (MDEPT). Organic and Biomolecular Chemistry, 2005, 3, 4002.	2.8	29
35	Synthetic entry to functionalised morpholines and [1,4]-oxazepanes via reductive amination reactions of carbohydrate derived dialdehydes. Tetrahedron: Asymmetry, 2004, 15, 3643-3652.	1.8	18
36	Development of Tyrosinase Labile Protecting Groups for Amines. Organic Letters, 2004, 6, 3111-3113.	4.6	22

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37	One-pot synthesis of multivalent arrays of mannose mono- and disaccharides. Tetrahedron, 2003, 59, 7983-7996.	1.9	87
38	Stereoselective Entry to Î²-LinkedC-Disaccharides Using a Carbon-Ferrier Reaction. Organic Letters, 2003, 5, 1649-1652.	4.6	16
39	Synthesis of Unsaturated Aminopyranosides as Possible Transition State Mimics for Glycosidases. Journal of Carbohydrate Chemistry, 2003, 22, 705-717.	1.1	7
40	Synthesis and analysis of urea and carbamate prodrugs as candidates for melanocyte-directed enzyme prodrug therapy (MDEPT). Bioorganic and Medicinal Chemistry, 2002, 10, 2625-2633.	3.0	41
41	One-pot synthesis of multivalent arrays of mannose mono- and disaccharides. Tetrahedron Letters, 2002, 43, 7683-7685.	1.4	6
42	The utility of glycoside copper chelates for effecting regioselective glycosidation. Tetrahedron Letters, 2002, 43, 7855-7857.	1.4	9
43	Regioselective C-3-O-acylation and O-methylation of 4,6-O-benzylidene-Î²-d-gluco- and galactopyranosides displaying a range of anomeric substituents. Carbohydrate Research, 2001, 332, 157-166.	2.3	60
44	Melanocyte-Directed enzyme prodrug therapy (MDEPT). Bioorganic and Medicinal Chemistry, 2001, 9, 1549-1558.	3.0	49
45	Synthesis of disaccharides containing Î±-linked GlcNAc or Î²-linked ManNAc units. Tetrahedron, 2001, 57, 7919-7937.	1.9	11
46	Regioselective C-3-O-acylation and O-alkylation of 4,6-O-benzylidene-Î²-d-glucopyranoside, derivatives displaying a range of anomeric substituents. Tetrahedron Letters, 1999, 40, 6991-6994.	1.4	23
47	Melanocyte-directed enzyme prodrug therapy (MDEPT): development of a targeted treatment for malignant melanoma. Bioorganic and Medicinal Chemistry, 1999, 7, 1775-1780.	3.0	46
48	Recent developments in polymer supported syntheses of oligosaccharides and glycopeptides. Tetrahedron, 1999, 55, 1807-1850.	1.9	128
49	Analysis of polysaccharides and monosaccharides in the root mucilage of maize (Zea mays L.) by gas chromatography. Journal of Chromatography A, 1999, 831, 267-276.	3.7	55
50	Novel Inhibitors of Carboxypeptidase G2 (CPG2):â€‰ Potential Use in Antibody-Directed Enzyme Prodrug Therapy. Journal of Medicinal Chemistry, 1999, 42, 951-956.	6.4	19
51	Regioselective lipase-catalysed acylation of 4,6-O-benzylidene-Î±- and-Î²-d-pyranoside derivatives displaying a range of anomeric substituents. Tetrahedron, 1998, 54, 14925-14946.	1.9	42
52	Preparation and ring-opening reactions of N-Diphenylphosphinyl aziridines. Tetrahedron, 1998, 54, 2181-2208.	1.9	47
53	The asymmetric synthesis of aziridines. Tetrahedron: Asymmetry, 1997, 8, 1693-1715.	1.8	459
54	Synthesis and chemistry of the ionophore antibiotic tetronasin. Journal of Heterocyclic Chemistry, 1996, 33, 1533-1544.	2.6	11

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55	The Synthesis and Reactivity ofN-Diphenylphosphinyl Aziridines. Synlett, 1994, 1994, 145-147.	1.8	44
56	Direct preparation of N-diphenylphosphinoyl aziridines from 1,2-aminoalcohols utilizing nucleofugacity of diphenylphosphinates. Tetrahedron Letters, 1994, 35, 3159-3162.	1.4	25
57	A practical alternative to sulfonyl activation of aziridines: Ring-opening of N-diphenylphosphinoyl aziridines by carbon nucleophiles. Tetrahedron Letters, 1994, 35, 2739-2742.	1.4	28
58	Ring-Opening ofN-Tosyl Aziridines by Sulphur-Stabilized Nucleophiles. Synlett, 1993, 1993, 675-676.	1.8	25