Herman S Overkleeft

List of Publications by Year
in descending order

542 papers	20,681 citations	11651 70 h-index	27406 106 g-index
593 all docs	593 docs citations	593 times ranked	18078 citing authors

#	Article	IF	Citations
1	A novel active site-directed probe specific for deubiquitylating enzymes reveals proteasome association of USP14. EMBO Journal, 2001, 20, 5187-5196.	7.8	469
2	Proteasome Inhibitors: An Expanding Army Attacking a Unique Target. Chemistry and Biology, 2012, 19, 99-115.	6.0	464
3	Thioglycosides in sequential glycosylation strategies. Chemical Society Reviews, 2005, 34, 769.	38.1	300
4	Pharmacological Inhibition of Glucosylceramide Synthase Enhances Insulin Sensitivity. Diabetes, 2007, 56, 1341-1349.	0.6	280
5	Activity-based protein profiling reveals off-target proteins of the FAAH inhibitor BIA 10-2474. Science, 2017, 356, 1084-1087.	12.6	251
6	Glycosphingolipidsâ€"Nature, Function, and Pharmacological Modulation. Angewandte Chemie - International Edition, 2009, 48, 8848-8869.	13.8	245
7	Elevated plasma glucosylsphingosine in Gaucher disease: relation to phenotype, storage cell markers, and therapeutic response. Blood, 2011, 118, e118-e127.	1.4	224
8	Ph2SO/Tf2O:â€‰ a Powerful Promotor System in Chemoselective Glycosylations Using Thioglycosides. Organic Letters, 2003, 5, 1519-1522.	4.6	219
9	Analysis of Protease Activity in Live Antigen-presenting Cells Shows Regulation of the Phagosomal Proteolytic Contents During Dendritic Cell Activation. Journal of Experimental Medicine, 2002, 196, 529-540.	8.5	201
10	Discovery of an essential nucleotidylating activity associated with a newly delineated conserved domain in the RNA polymerase-containing protein of all nidoviruses. Nucleic Acids Research, 2015, 43, 8416-8434.	14.5	197
11	Ultrasensitive in situ visualization of active glucocerebrosidase molecules. Nature Chemical Biology, 2010, 6, 907-913.	8.0	196
12	A Fluorescent Broad-Spectrum Proteasome Inhibitor for Labeling Proteasomes In Vitro and In Vivo. Chemistry and Biology, 2006, 13, 1217-1226.	6.0	168
13	The Caspase-like Sites of Proteasomes, Their Substrate Specificity, New Inhibitors and Substrates, and Allosteric Interactions with the Trypsin-like Sites. Journal of Biological Chemistry, 2003, 278, 35869-35877.	3.4	167
14	Asymmetric Proteasome Segregation as a Mechanism for Unequal Partitioning of the Transcription Factor T-bet during T Lymphocyte Division. Immunity, 2011, 34, 492-504.	14.3	166
15	Subclassification and Biochemical Analysis of Plant Papain-Like Cysteine Proteases Displays Subfamily-Specific Characteristics Â Â. Plant Physiology, 2012, 158, 1583-1599.	4.8	166
16	Generation of Specific Deoxynojirimycin-type Inhibitors of the Non-lysosomal Glucosylceramidase. Journal of Biological Chemistry, 1998, 273, 26522-26527.	3.4	163
17	Chemistry in Living Cells: Detection of Active Proteasomes by a Two-Step Labeling Strategy. Angewandte Chemie - International Edition, 2003, 42, 3626-3629.	13.8	158
18	Distinct Uptake Mechanisms but Similar Intracellular Processing of Two Different Toll-like Receptor Ligand-Peptide Conjugates in Dendritic Cells. Journal of Biological Chemistry, 2007, 282, 21145-21159.	3.4	157

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19	Identification of the Non-lysosomal Glucosylceramidase as Î²-Glucosidase 2. Journal of Biological Chemistry, 2007, 282, 1305-1312.	3.4	156
20	Extended peptide-based inhibitors efficiently target the proteasome and reveal overlapping specificities of the catalytic Î²-subunits. Chemistry and Biology, 2001, 8, 913-929.	6.0	149
21	Selective Inhibitor of Proteasome's Caspase-like Sites Sensitizes Cells to Specific Inhibition of Chymotrypsin-like Sites. Chemistry and Biology, 2009, 16, 1278-1289.	6.0	147
22	A Modular Strategy Toward the Synthesis of Heparin-like Oligosaccharides Using Monomeric Building Blocks in a Sequential Glycosylation Strategy. Journal of the American Chemical Society, 2005, 127, 3767-3773.	13.7	146
23	Transglycosidase Activity of Chitotriosidase. Journal of Biological Chemistry, 2003, 278, 40911-40916.	3.4	138
24	Thioglycuronides:â€‰ Synthesis and Application in the Assembly of Acidic Oligosaccharides. Organic Letters, 2004, 6, 2165-2168.	4.6	137
25	Rapid and profound rewiring of brain lipid signaling networks by acute diacylglycerol lipase inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 26-33.	7.1	127
26	Development of Adamantan-1-yl-methoxy-Functionalized 1-Deoxynojirimycin Derivatives as Selective Inhibitors of Glucosylceramide Metabolism in Man. Journal of Organic Chemistry, 2007, 72, 1088-1097.	3.2	124
27	Chemoselective glycosylations using sulfonium triflate activator systems. Tetrahedron, 2004, 60, 1057-1064.	1.9	123
28	A facile transformation of sugar lactones to azasugars. Tetrahedron, 1994, 50, 4215-4224.	1.9	118
29	Current Developments in Activity-Based Protein Profiling. Bioconjugate Chemistry, 2014, 25, 1181-1191.	3.6	116
30	Acceptor reactivity in glycosylation reactions. Chemical Society Reviews, 2019, 48, 4688-4706.	38.1	114
31	Triple Bioorthogonal Ligation Strategy for Simultaneous Labeling of Multiple Enzymatic Activities. Angewandte Chemie - International Edition, 2012, 51, 4431-4434.	13.8	108
32	Lysosomal glycosphingolipid catabolism by acid ceramidase: formation of glycosphingoid bases during deficiency of glycosidases. FEBS Letters, 2016, 590, 716-725.	2.8	106
33	Novel Activityâ€Based Probes for Broadâ€Spectrum Profiling of Retaining Î²â€Exoglucosidases Inâ€…Situ and Inâ€…Vivo. Angewandte Chemie - International Edition, 2012, 51, 12529-12533.	13.8	104
34	Photoaffinity Labeling in Activity-Based Protein Profiling. Topics in Current Chemistry, 2011, 324, 85-113.	4.0	100
35	Bioorthogonal organic chemistry in living cells: novel strategies for labeling biomolecules. Organic and Biomolecular Chemistry, 2005, 3, 20.	2.8	99
36	Bioorthogonal Chemistry: Applications in Activity-Based Protein Profiling. Accounts of Chemical Research, 2011, 44, 718-729.	15.6	98

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37	Sequential One-Pot Glycosylations Using 1-Hydroxyl and 1-Thiodonors. Organic Letters, 2003, 5, 1947-1950.	4.6	97
38	The impact of oxacarbenium ion conformers on the stereochemical outcome of glycosylations. Carbohydrate Research, 2010, 345, 1252-1263.	2.3	97
39	Conjugation of Nucleosides and Oligonucleotides by [3+2] Cycloaddition. Journal of Organic Chemistry, 2008, 73, 287-290.	3.2	96
40	Reducing Glycosphingolipid Content in Adipose Tissue of Obese Mice Restores Insulin Sensitivity, Adipogenesis and Reduces Inflammation. PLoS ONE, 2009, 4, e4723.	2.5	96
41	Automated Solidâ€Phase Synthesis of Î²â€Mannuronic Acid Alginates. Angewandte Chemie - International Edition, 2012, 51, 4393-4396.	13.8	95
42	Specific Cell-Permeable Inhibitor of Proteasome Trypsin-like Sites Selectively Sensitizes Myeloma Cells to Bortezomib and Carfilzomib. Chemistry and Biology, 2011, 18, 608-618.	6.0	94
43	Biomarkers in the diagnosis of lysosomal storage disorders: proteins, lipids, and inhibodies. Journal of Inherited Metabolic Disease, 2011, 34, 605-619.	3.6	93
44	Uncoupling DNA damage from chromatin damage to detoxify doxorubicin. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15182-15192.	7.1	93
45	A formal synthesis of castanospermine using an olefin metathesis cyclisation reaction as a key step. Tetrahedron Letters, 1996, 37, 547-550.	1.4	92
46	An Unusual Reverse Turn Structure Adopted by a Furanoid Sugar Amino Acid Incorporated in Gramicidin S. Journal of the American Chemical Society, 2004, 126, 3444-3446.	13.7	90
47	Dual-Action Lipophilic Iminosugar Improves Glycemic Control in Obese Rodents by Reduction of Visceral Glycosphingolipids and Buffering of Carbohydrate Assimilation. Journal of Medicinal Chemistry, 2010, 53, 689-698.	6.4	90
48	Reagent Controlled Stereoselective Synthesis of Î±-Glucans. Journal of the American Chemical Society, 2018, 140, 4632-4638.	13.7	90
49	Structure-Based Design of Î²1i or Î²5i Specific Inhibitors of Human Immunoproteasomes. Journal of Medicinal Chemistry, 2014, 57, 6197-6209.	6.4	89
50	Progranulin Recruits HSP70 to Î²-Glucocerebrosidase and Is Therapeutic Against Gaucher Disease. EBioMedicine, 2016, 13, 212-224.	6.1	88
51	Synthesis Mediated by Ring-Closing Metathesis â€“ Applications in the Synthesis of Azasugars and Alkaloids. European Journal of Organic Chemistry, 1999, 1999, 959-968.	2.4	87
52	Stereocontrolled Synthesis of Î²-d-Mannuronic Acid Esters:Â Synthesis of an Alginate Trisaccharide. Journal of the American Chemical Society, 2006, 128, 13066-13067.	13.7	87
53	A Set of Activityâ€Based Probes to Visualize Human (Immuno)proteasome Activities. Angewandte Chemie - International Edition, 2016, 55, 4199-4203.	13.8	86
54	Quantification of Globotriaosylsphingosine in Plasma and Urine of Fabry Patients by Stable Isotope Ultraperformance Liquid Chromatographyâ€“Tandem Mass Spectrometry. Clinical Chemistry, 2013, 59, 547-556.	3.2	85

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55	Defining the S_N1 Side of Glycosylation Reactions: Stereoselectivity of Glycopyranosyl Cations. ACS Central Science, 2019, 5, 781-788.	11.3	84
56	Efficient Induction of Antitumor Immunity by Synthetic Toll-like Receptor Ligandâ€“Peptide Conjugates. Cancer Immunology Research, 2014, 2, 756-764.	3.4	83
57	Mapping the Relationship between Glycosyl Acceptor Reactivity and Glycosylation Stereoselectivity. Angewandte Chemie - International Edition, 2018, 57, 8240-8244.	13.8	83
58	Proteasome Inhibition in Multiple Myeloma: Head-to-Head Comparison of Currently Available Proteasome Inhibitors. Cell Chemical Biology, 2019, 26, 340-351.e3.	5.2	83
59	Characterization of glycosyl dioxolenium ions and their role in glycosylation reactions. Nature Communications, 2020, 11, 2664.	12.8	83
60	Small-Molecule Inhibitors and Probes for Ubiquitin- and Ubiquitin-Like-Specific Proteases. ChemBioChem, 2005, 6, 287-291.	2.6	82
61	Stereodirecting Effect of the Pyranosyl C-5 Substituent in Glycosylation Reactions. Journal of Organic Chemistry, 2009, 74, 4982-4991.	3.2	79
62	Incorporation of Non-natural Amino Acids Improves Cell Permeability and Potency of Specific Inhibitors of Proteasome Trypsin-like Sites. Journal of Medicinal Chemistry, 2013, 56, 1262-1275.	6.4	79
63	The Stereodirecting Effect of the Glycosyl C5-Carboxylate Ester: Stereoselective Synthesis of Î²-Mannuronic Acid Alginates. Journal of Organic Chemistry, 2009, 74, 38-47.	3.2	77
64	Automated Solid-Phase Synthesis of Hyaluronan Oligosaccharides. Organic Letters, 2012, 14, 3776-3779.	4.6	77
65	Relative quantification of proteasome activity by activity-based protein profiling and LC-MS/MS. Nature Protocols, 2013, 8, 1155-1168.	12.0	77
66	An overview of activity-based probes for glycosidases. Current Opinion in Chemical Biology, 2019, 53, 25-36.	6.1	76
67	Activity-based probes for functional interrogation of retaining Î²-glucuronidases. Nature Chemical Biology, 2017, 13, 867-873.	8.0	76
68	Uronic Acids in Oligosaccharide Synthesis. European Journal of Organic Chemistry, 2007, 2007, 3963-3976.	2.4	75
69	Equatorial Anomeric Triflates from Mannuronic Acid Esters. Journal of the American Chemical Society, 2009, 131, 12080-12081.	13.7	73
70	Development of an Activityâ€Based Probe and In Silico Design Reveal Highly Selective Inhibitors for Diacylglycerol Lipaseâ€α in Brain. Angewandte Chemie - International Edition, 2013, 52, 12081-12085.	13.8	73
71	Activity-Based Profiling Reveals Reactivity of the Murine Thymoproteasome-Specific Subunit Î²5t. Chemistry and Biology, 2010, 17, 795-801.	6.0	72
72	Activity-based protein profiling: an enabling technology in chemical biology research. Current Opinion in Chemical Biology, 2012, 16, 227-233.	6.1	72

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73	Association Between Progranulin and Gaucher Disease. EBioMedicine, 2016, 11, 127-137.	6.1	72
74	Selective Photoaffinity Probe That Enables Assessment of Cannabinoid CB₂ Receptor Expression and Ligand Engagement in Human Cells. Journal of the American Chemical Society, 2018, 140, 6067-6075.	13.7	68
75	Crystal Structure of HslUV Complexed with a Vinyl Sulfone Inhibitor: Corroboration of a Proposed Mechanism of Allosteric Activation of HslV by HslU. Journal of Molecular Biology, 2002, 318, 779-785.	4.2	67
76	The Antimalarial Natural Product Symplostatin 4 Is a Nanomolar Inhibitor of the Food Vacuole Falcipains. Chemistry and Biology, 2012, 19, 1546-1555.	6.0	67
77	Peptido Sulfonyl Fluorides as New Powerful Proteasome Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 10995-11003.	6.4	67
78	Paenilamicin: Structure and Biosynthesis of a Hybrid Nonribosomal Peptide/Polyketide Antibiotic from the Bee Pathogen Paenibacillus larvae. Angewandte Chemie - International Edition, 2014, 53, 10821-10825.	13.8	67
79	The p41 isoform of invariant chain is a chaperone for cathepsin L. EMBO Journal, 2001, 20, 4055-4064.	7.8	66
80	An Efficient Synthesis of the Natural Tetrahydrofuran Pachastrissamine Starting from d-ribo-Phytosphingosine. Journal of Organic Chemistry, 2006, 71, 836-839.	3.2	66
81	The use of cyclic bifunctional protecting groups in oligosaccharide synthesisâ€”an overview. Carbohydrate Research, 2007, 342, 419-429.	2.3	66
82	Novel protecting groups in carbohydrate chemistry. Comptes Rendus Chimie, 2011, 14, 178-193.	0.5	66
83	Synthesis of functionalized heterocycles via a tandem Staudinger/aza-Wittig/Ugi multicomponent reaction. Tetrahedron: Asymmetry, 2005, 16, 177-185.	1.8	65
84	Syringolin A Selectively Labels the 20â€‰S Proteasome in Murine EL4 and Wildâ€Type and Bortezomibâ€Adapted Leukaemic Cell Lines. ChemBioChem, 2009, 10, 2638-2643.	2.6	65
85	Ritonavir induces endoplasmic reticulum stress and sensitizes sarcoma cells toward bortezomib-induced apoptosis. Molecular Cancer Therapeutics, 2008, 7, 1940-1948.	4.1	64
86	Furanosyl Oxocarbenium Ion Stability and Stereoselectivity. Angewandte Chemie - International Edition, 2014, 53, 10381-10385.	13.8	64
87	Regulation of Immunoproteasome Function in the Lung. Scientific Reports, 2015, 5, 10230.	3.3	64
88	Dual inhibition of proteasomal and lysosomal proteolysis ameliorates autoimmune central nervous system inflammation. European Journal of Immunology, 2008, 38, 2401-2411.	2.9	63
89	Plant Glycosides and Glycosidases: A Treasure-Trove for Therapeutics. Frontiers in Plant Science, 2020, 11, 357.	3.6	63
90	Glucosylated cholesterol in mammalian cells and tissues: formation and degradation by multiple cellular Î²-glucosidases. Journal of Lipid Research, 2016, 57, 451-463.	4.2	61

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91	Reducing GBA2 Activity Ameliorates Neuropathology in Niemann-Pick Type C Mice. PLoS ONE, 2015, 10, e0135889.	2.5	61
92	Olefin metathesis in glycobiology: new routes towards diverse neoglycoconjugates. Current Opinion in Chemical Biology, 2003, 7, 757-765.	6.1	59
93	Proteasome activity profiling: a simple, robust and versatile method revealing subunit-selective inhibitors and cytoplasmic, defense-induced proteasome activities. Plant Journal, 2010, 62, 160-170.	5.7	59
94	Proteasome Inhibitors with Photocontrolled Activity. ChemBioChem, 2014, 15, 2053-2057.	2.6	59
95	Parallel synthesis of cyclic sugar amino acid/amino acid hybrid molecules. Tetrahedron Letters, 2000, 41, 9331-9335.	1.4	58
96	Î²-Turn Modified Gramicidin S Analogues Containing Arylated Sugar Amino Acids Display Antimicrobial and Hemolytic Activity Comparable to the Natural Product. Journal of the American Chemical Society, 2006, 128, 7559-7565.	13.7	58
97	Chirality of TLR-2 ligand Pam3CysSK4 in fully synthetic peptide conjugates critically influences the induction of specific CD8+ T-cells. Molecular Immunology, 2009, 46, 1084-1091.	2.2	58
98	Acylazetine as a Dienophile in Bioorthogonal Inverse Electron-Demand Dielsâ€“Alder Ligation. Organic Letters, 2014, 16, 2744-2747.	4.6	58
99	Activation of Glycosyl Halides by Halogen Bonding. Chemistry - an Asian Journal, 2014, 9, 2095-2098.	3.3	58
100	Synthesis of Mono-ADP-Ribosylated Oligopeptides Using Ribosylated Amino Acid Building Blocks. Journal of the American Chemical Society, 2010, 132, 5236-5240.	13.7	57
101	Proteasome Activity Imaging and Profiling Characterizes Bacterial Effector Syringolin A Â. Plant Physiology, 2011, 155, 477-489.	4.8	57
102	Chemoselective Cleavage of p-Methoxybenzyl and 2-Naphthylmethyl Ethers Using a Catalytic Amount of HCl in Hexafluoro-2-propanol. Journal of Organic Chemistry, 2015, 80, 8796-8806.	3.2	57
103	Progranulin deficiency leads to reduced glucocerebrosidase activity. PLoS ONE, 2019, 14, e0212382.	2.5	57
104	Preparation of 1-Thio Uronic Acid Lactones and Their Use in Oligosaccharide Synthesis. Organic Letters, 2005, 7, 2007-2010.	4.6	55
105	Acetylene functionalized BODIPY dyes and their application in the synthesis of activity based proteasome probes. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 6169-6171.	2.2	55
106	Minitags for small molecules: detecting targets of reactive small molecules in living plant tissues using â€˜click chemistryâ€™. Plant Journal, 2009, 57, 373-385.	5.7	55
107	Nature of Pharmacophore Influences Active Site Specificity of Proteasome Inhibitors*. Journal of Biological Chemistry, 2010, 285, 40125-40134.	3.4	55
108	Broad-range Glycosidase Activity Profiling. Molecular and Cellular Proteomics, 2014, 13, 2787-2800.	3.8	55

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109	A convenient route to cis- and trans-fused bicyclic ethers by ruthenium mediated ring-closing metathesis of diene and enyne carbohydrate derivatives. Tetrahedron, 1999, 55, 8253-8262.	1.9	54
110	A Short Route toward Chiral, Polyhydroxylated Indolizidines and Quinolizidines. Journal of Organic Chemistry, 2003, 68, 9598-9603.	3.2	54
111	Design of azidoproline containing gluten peptides to suppress CD4+ T-cell responses associated with Celiac disease. Bioorganic and Medicinal Chemistry, 2008, 16, 2053-2062.	3.0	54
112	Synthesis of Sugar Nucleotides by Application of Phosphoramidites. Journal of Organic Chemistry, 2008, 73, 9458-9460.	3.2	54
113	Mass spectrometric quantification of glucosylsphingosine in plasma and urine of type 1 Gaucher patients using an isotope standard. Blood Cells, Molecules, and Diseases, 2015, 54, 307-314.	1.4	54
114	A novel, base-labile fluorous amine protecting group: synthesis and use as a tag in the purification of synthetic peptides. Tetrahedron Letters, 2003, 44, 9013-9016.	1.4	53
115	Synthesis and evaluation of homo-bivalent GnRHR ligands. Bioorganic and Medicinal Chemistry, 2007, 15, 4841-4856.	3.0	53
116	Synthesis of pH-Activatable Red Fluorescent BODIPY Dyes with Distinct Functionalities. Organic Letters, 2011, 13, 5656-5659.	4.6	53
117	Synthetic, Zwitterionic Sp1 Oligosaccharides Adopt a Helical Structure Crucial for Antibody Interaction. ACS Central Science, 2019, 5, 1407-1416.	11.3	52
118	Natural Product Proteomining, a Quantitative Proteomics Platform, Allows Rapid Discovery of Biosynthetic Gene Clusters for Different Classes of Natural Products. Chemistry and Biology, 2014, 21, 707-718.	6.0	51
119	Coâ€inhibition of immunoproteasome subunits LMP2 and LMP7 is required to block autoimmunity. EMBO Reports, 2018, 19, .	4.5	51
120	The Effect of Lewis Acids on the Stereochemistry in the Ugi Threeâ€Component Reaction with <scp>D</scp>â€lyxoâ€Pyrroline. European Journal of Organic Chemistry, 2008, 2008, 3678-3688.	2.4	50
121	Teichoic acids: synthesis and applications. Chemical Society Reviews, 2017, 46, 1464-1482.	38.1	50
122	A Fluorescence Polarization Activity-Based Protein Profiling Assay in the Discovery of Potent, Selective Inhibitors for Human Nonlysosomal Glucosylceramidase. Journal of the American Chemical Society, 2017, 139, 14192-14197.	13.7	50
123	Fabry Disease: Molecular Basis, Pathophysiology, Diagnostics and Potential Therapeutic Directions. Biomolecules, 2021, 11, 271.	4.0	50
124	Inflammatory stimuli recruit cathepsin activity to late endosomal compartments in human dendritic cells. European Journal of Immunology, 2002, 32, 3348-3357.	2.9	49
125	Identification of glucose kinaseâ€dependent and â€independent pathways for carbon control of primary metabolism, development and antibiotic production in <scp>S</scp>treptomyces coelicolor by quantitative proteomics. Molecular Microbiology, 2012, 86, 1490-1507.	2.5	49
126	Highly Selective, Reversible Inhibitor Identified by Comparative Chemoproteomics Modulates Diacylglycerol Lipase Activity in Neurons. Journal of the American Chemical Society, 2015, 137, 8851-8857.	13.7	49

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127	Azidoâ€BODIPY Acid Reveals Quantitative Staudingerâ€“Bertozzi Ligation in Twoâ€Step Activityâ€Based Proteasome Profiling. ChemBioChem, 2008, 9, 1735-1738.	2.6	48
128	Design, synthesis and evaluation of high-affinity binders for the celiac disease associated HLA-DQ2 molecule. Molecular Immunology, 2010, 47, 1091-1097.	2.2	48
129	Biochemical response to substrate reduction therapy versus enzyme replacement therapy in Gaucher disease type 1 patients. Orphanet Journal of Rare Diseases, 2016, 11, 28.	2.7	48
130	Stereoselectivity of Conformationally Restricted Glucosazide Donors. Journal of Organic Chemistry, 2017, 82, 4793-4811.	3.2	48
131	Mapping in vivo target interaction profiles of covalent inhibitors using chemical proteomics with label-free quantification. Nature Protocols, 2018, 13, 752-767.	12.0	48
132	Glycosphingolipids and Insulin Resistance. Advances in Experimental Medicine and Biology, 2011, 721, 99-119.	1.6	48
133	Synthesis of Oligoribonucleic Acid Conjugates Using a Cyclooctyne Phosphoramidite. Organic Letters, 2010, 12, 5486-5489.	4.6	47
134	A panel of subunit-selective activity-based proteasome probes. Organic and Biomolecular Chemistry, 2010, 8, 2719.	2.8	47
135	The natural product hybrid of Syringolin A and Glidobactin A synergizes proteasome inhibition potency with subsite selectivity. Chemical Communications, 2011, 47, 385-387.	4.1	47
136	Structure and Reactivity of an Asymmetric Complex between HslV and I-domain Deleted HslU, a Prokaryotic Homolog of the Eukaryotic Proteasome. Journal of Molecular Biology, 2003, 330, 185-195.	4.2	46
137	Uronic Acids in Oligosaccharide and Glycoconjugate Synthesis. Topics in Current Chemistry, 2010, 301, 253-289.	4.0	46
138	Assessing Subunit Dependency of the Plasmodium Proteasome Using Small Molecule Inhibitors and Active Site Probes. ACS Chemical Biology, 2014, 9, 1869-1876.	3.4	46
139	Mapping the Reactivity and Selectivity of 2-Azidofucosyl Donors for the Assembly of N-Acetylfucosamine-Containing Bacterial Oligosaccharides. Journal of Organic Chemistry, 2017, 82, 848-868.	3.2	46
140	Discovering the Microbial Enzymes Driving Drug Toxicity with Activity-Based Protein Profiling. ACS Chemical Biology, 2020, 15, 217-225.	3.4	46
141	Differential Processing of Autoantigens in Lysosomes from Human Monocyte-Derived and Peripheral Blood Dendritic Cells. Journal of Immunology, 2005, 175, 5940-5949.	0.8	45
142	Stereoselective Synthesis of <scp>L</scp>â€guluronic Acid Alginates. Chemistry - A European Journal, 2008, 14, 9400-9411.	3.3	45
143	A Cleavable Linker Based on the Levulinoyl Ester for Activityâ€Based Protein Profiling. Angewandte Chemie - International Edition, 2010, 49, 6802-6805.	13.8	45
144	The cytosolic Î²-glucosidase GBA3 does not influence type 1 Gaucher disease manifestation. Blood Cells, Molecules, and Diseases, 2011, 46, 19-26.	1.4	45

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145	Potent and Selective Activity-Based Probes for GH27 Human Retaining Î±-Galactosidases. Journal of the American Chemical Society, 2014, 136, 11622-11625.	13.7	45
146	Detection of Active Mammalian GH31 Î±-Glucosidases in Health and Disease Using In-Class, Broad-Spectrum Activity-Based Probes. ACS Central Science, 2016, 2, 351-358.	11.3	45
147	Synthesis and Macrodomain Binding of Monoâ€ADPâ€Ribosylated Peptides. Angewandte Chemie - International Edition, 2016, 55, 10634-10638.	13.8	45
148	Synthesis of the Staphylococcus aureus Strain M Capsular Polysaccharide Repeating Unit. Organic Letters, 2017, 19, 2514-2517.	4.6	45
149	Antigen processing and presentation in human muscle: cathepsin S is critical for MHC class II expression and upregulated in inflammatory myopathies. Journal of Neuroimmunology, 2003, 138, 132-143.	2.3	44
150	Synthesis of Hyaluronic Acid Oligomers using Chemoselective and One-Pot Strategies. Journal of Organic Chemistry, 2009, 74, 4208-4216.	3.2	44
151	Stereoselective Ribosylation of Amino Acids. Organic Letters, 2013, 15, 2306-2309.	4.6	44
152	Ritonavir, nelfinavir, saquinavir and lopinavir induce proteotoxic stress in acute myeloid leukemia cells and sensitize them for proteasome inhibitor treatment at low micromolar drug concentrations. Leukemia Research, 2014, 38, 383-392.	0.8	44
153	From Covalent Glycosidase Inhibitors to Activityâ€Based Glycosidase Probes. Chemistry - A European Journal, 2014, 20, 10864-10872.	3.3	44
154	In vitro and in vivo comparative and competitive activity-based protein profiling of GH29 Î±-<scp>l</scp>-fucosidases. Chemical Science, 2015, 6, 2782-2789.	7.4	44
155	Stage-Dependent Axon Transport of Proteasomes Contributes to Axon Development. Developmental Cell, 2015, 35, 418-431.	7.0	44
156	InÂvivo inactivation of glycosidases by conduritol B epoxide and cyclophellitol as revealed by activityâ€based protein profiling. FEBS Journal, 2019, 286, 584-600.	4.7	44
157	Synthesis and Evaluation of Lipophilic Azaâ€Câ€glycosides as Inhibitors of Glucosylceramide Metabolism. European Journal of Organic Chemistry, 2010, 2010, 1258-1283.	2.4	43
158	Twoâ€Step Labeling of Endogenous Enzymatic Activities by Dielsâ€“Alder Ligation. ChemBioChem, 2010, 11, 1769-1781.	2.6	43
159	Galacturonic Acid Lactones in the Synthesis of All Trisaccharide Repeating Units of the Zwitterionic Polysaccharide Sp1. Journal of Organic Chemistry, 2011, 76, 1692-1706.	3.2	43
160	Identification and Development of Biphenyl Substituted Iminosugars as Improved Dual Glucosylceramide Synthase/Neutral Glucosylceramidase Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 9096-9104.	6.4	43
161	1,6-Cyclophellitol Cyclosulfates: A New Class of Irreversible Glycosidase Inhibitor. ACS Central Science, 2017, 3, 784-793.	11.3	43
162	Synthesis of Hyaluronic Acid Oligomers Using Ph2SO/Tf2O-Mediated Glycosylations. Journal of Organic Chemistry, 2007, 72, 5737-5742.	3.2	42

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