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	Microbial enzymes induce colitis by reactivating triclosan in the mouse gastrointestinal tract. Nature Communications, 2022, 13, 136.	12.8	39
2	Assembly of a Library of Pel-Oligosaccharides Featuring Î±-Glucosamine and Î±-Galactosamine Linkages. Frontiers in Chemistry, 2022, 10, 842238.	3.6	2
3	Synthesis of broad-specificity activity-based probes for exo-Î²-mannosidases. Organic and Biomolecular Chemistry, 2022, 20, 877-886.	2.8	4
4	Activity-based protein profiling reveals dynamic substrate-specific cellulase secretion by saprotrophic basidiomycetes. , 2022, 15, 6.		5
5	Detecting and identifying glycoside hydrolases using cyclophellitol-derived activity-based probes. Methods in Enzymology, 2022, 664, 103-134.	1.0	1
6	Solidâ€Phase Synthesis of Macrocyclic Peptides via Sideâ€Chain Anchoring of the Ornithine Î´â€Amine. European Journal of Organic Chemistry, 2022, 2022, .	2.4	0
7	Immunoproteasome Activity in Chronic Lymphocytic Leukemia as a Target of the Immunoproteasome-Selective Inhibitors. Cells, 2022, 11, 838.	4.1	1
8	Freestanding non-covalent thin films of the propeller-shaped polycyclic aromatic hydrocarbon decacyclene. Nature Communications, 2022, 13, 1920.	12.8	1
9	Chemical Proteomics Reveals Off-Targets of the Anandamide Reuptake Inhibitor WOBE437. ACS Chemical Biology, 2022, 17, 1174-1183.	3.4	5
10	Mimetics of ADP-Ribosylated Histidine through Copper(I)-Catalyzed Click Chemistry. Organic Letters, 2022, 24, 3776-3780.	4.6	7
11	Stabilization of Glucosyl Dioxolenium Ions by â€œDual Participationâ€•of the 2,2-Dimethyl-2-(ortho-nitrophenyl)acetyl (DMNPA) Protection Group for 1,2-cis-Glucosylation. Journal of Organic Chemistry, 2022, 87, 9139-9147.	3.2	11
12	Simplified Monopalmitoyl Tollâ€like Receptor 2 Ligand Miniâ€UPam for Selfâ€Adjuvanting Neoantigenâ€Based Synthetic Cancer Vaccines. ChemBioChem, 2021, 22, 1215-1222.	2.6	5
13	Reactivityâ€“Stereoselectivity Mapping for the Assembly of Mycobacterium marinum Lipooligosaccharides. Angewandte Chemie, 2021, 133, 950-958.	2.0	6
14	Multivalent, Stabilized Mannoseâ€6â€Phosphates for the Targeted Delivery of Tollâ€Like Receptor Ligands and Peptide Antigens. ChemBioChem, 2021, 22, 434-440.	2.6	6
15	Reactivityâ€“Stereoselectivity Mapping for the Assembly of Mycobacterium marinum Lipooligosaccharides. Angewandte Chemie - International Edition, 2021, 60, 937-945.	13.8	16
16	Bioorthogonal protein labelling enables the study of antigen processing of citrullinated and carbamylated auto-antigens. RSC Chemical Biology, 2021, 2, 855-862.	4.1	6
17	Human glucocerebrosidase mediates formation of xylosyl-cholesterol by Î²-xylosidase and transxylosidase reactions. Journal of Lipid Research, 2021, 62, 100018.	4.2	5
18	Chemical synthesis of linear ADP-ribose oligomers up to pentamer and their binding to the oncogenic helicase ALC1. Chemical Science, 2021, 12, 12468-12475.	7.4	2

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19	Lipid-mimicking phosphorus-based glycosidase inactivators as pharmacological chaperones for the treatment of Gaucher's disease. Chemical Science, 2021, 12, 13909-13913.	7.4	9
20	Activity-Based Protein Profiling of Retaining Î±-Amylases in Complex Biological Samples. Journal of the American Chemical Society, 2021, 143, 2423-2432.	13.7	17
21	Cysteine Nucleophiles in Glycosidase Catalysis: Application of a Covalent Î²â€<scp>lâ€</scp>Arabinofuranosidase Inhibitor. Angewandte Chemie - International Edition, 2021, 60, 5754-5758.	13.8	16
22	Fabry Disease: Molecular Basis, Pathophysiology, Diagnostics and Potential Therapeutic Directions. Biomolecules, 2021, 11, 271.	4.0	50
23	Cysteine Nucleophiles in Glycosidase Catalysis: Application of a Covalent Î²â€<scp>lâ€</scp>Arabinofuranosidase Inhibitor. Angewandte Chemie, 2021, 133, 5818-5822.	2.0	3
24	Synthetic (N,N-Dimethyl)doxorubicin Glycosyl Diastereomers to Dissect Modes of Action of Anthracycline Anticancer Drugs. Journal of Organic Chemistry, 2021, 86, 5757-5770.	3.2	12
25	Tuning the Transglycosylation Reaction of a GH11 Xylanase by a Delicate Enhancement of its Thumb Flexibility. ChemBioChem, 2021, 22, 1743-1749.	2.6	11
26	Immunoediting role for major vault protein in apoptotic signaling induced by bacterial N -acyl homoserine lactones. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
27	Development of Nonâ€Hydrolysable Oligosaccharide Activityâ€Based Inactivators for Endoglycanases: A Case Study on Î±â€1,6 Mannanases. Chemistry - A European Journal, 2021, 27, 9519-9523.	3.3	2
28	Molecular Tools for the Study of ADPâ€Ribosylation: A Unified and Versatile Method to Synthesise Native Monoâ€ADPâ€Ribosylated Peptides. Chemistry - A European Journal, 2021, 27, 10621-10627.	3.3	20
29	Treatment with HIV-Protease Inhibitor Nelfinavir Identifies Membrane Lipid Composition and Fluidity as a Therapeutic Target in Advanced Multiple Myeloma. Cancer Research, 2021, 81, 4581-4593.	0.9	8
30	(Automated) Synthesis of Wellâ€defined Staphylococcus Aureus Wall Teichoic Acid Fragments. Chemistry - A European Journal, 2021, 27, 10461-10469.	3.3	10
31	Epitope Recognition of a Monoclonal Antibody Raised against a Synthetic Glycerol Phosphate Based Teichoic Acid. ACS Chemical Biology, 2021, 16, 1344-1349.	3.4	4
32	Xyloseâ€Configured Cyclophellitols as Selective Inhibitors for Glucocerebrosidase. ChemBioChem, 2021, 22, 3090-3098.	2.6	4
33	Design, Synthesis and Structural Analysis of Glucocerebrosidase Imaging Agents. Chemistry - A European Journal, 2021, 27, 16377-16388.	3.3	7
34	Generation of glucosylated sn-1-glycerolphosphate teichoic acids: glycerol stereochemistry affects synthesis and antibody interaction. RSC Chemical Biology, 2021, 2, 187-191.	4.1	4
35	High Immunoproteasome Activity and sXBP1 in Pediatric Precursor B-ALL Predicts Sensitivity towards Proteasome Inhibitors. Cells, 2021, 10, 2853.	4.1	2
36	High-Dose Carfilzomib Recaptures Response in Relapsed/Refractory Multiple Myeloma Resistant to Low-Dose Carfilzomib By Co-Inhibiting Î²2 Subunit of Proteasome Complex: The First in Human Evidence. Blood, 2021, 138, 818-818.	1.4	0

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37	An Orthogonally Protected Cyclitol for the Construction of Nigerose- and Dextran-Mimetic Cyclophellitols. Organic Letters, 2021, 23, 9516-9519.	4.6	2
38	Activity-Based Protein Profiling for the Identification of Novel Carbohydrate-Active Enzymes Involved in Xylan Degradation in the Hyperthermophilic Euryarchaeon Thermococcus sp. Strain 2319x1E. Frontiers in Microbiology, 2021, 12, 734039.	3.5	6
39	Twoâ€Step Bioorthogonal Activityâ€Based Protein Profiling of Individual Human Proteasome Catalytic Sites. ChemBioChem, 2020, 21, 248-255.	2.6	3
40	Trypanosoma brucei: Inhibition of cathepsin L is sufficient to kill bloodstream forms. Molecular and Biochemical Parasitology, 2020, 235, 111246.	1.1	7
41	Discovering the Microbial Enzymes Driving Drug Toxicity with Activity-Based Protein Profiling. ACS Chemical Biology, 2020, 15, 217-225.	3.4	46
42	Doxorubicin and Aclarubicin: Shuffling Anthracycline Glycans for Improved Anticancer Agents. Journal of Medicinal Chemistry, 2020, 63, 12814-12829.	6.4	27
43	Self-Adjuvanting Cancer Vaccines from Conjugation-Ready Lipid A Analogues and Synthetic Long Peptides. Journal of Medicinal Chemistry, 2020, 63, 11691-11706.	6.4	28
44	Glycosylated cyclophellitol-derived activity-based probes and inhibitors for cellulases. RSC Chemical Biology, 2020, 1, 148-155.	4.1	13
45	Fluorescent small-molecule agonists as follicle-stimulating hormone receptor imaging tools. RSC Chemical Biology, 2020, 1, 263-272.	4.1	1
46	Synthesis and antiproliferative activity of hindered, chiral 1,2-diaminodiamantane platinum(<scp>ii</scp>) complexes. Dalton Transactions, 2020, 49, 14009-14016.	3.3	10
47	A stabilized glycomimetic conjugate vaccine inducing protective antibodies against Neisseria meningitidis serogroup A. Nature Communications, 2020, 11, 4434.	12.8	18
48	<scp> Bacteroides fragilis </scp> fucosidases facilitate growth and invasion of Campylobacter jejuni in the presence of mucins. Cellular Microbiology, 2020, 22, e13252.	2.1	19
49	Synthesis of C â€Glycosyl Amino Acid Building Blocks Suitable for the Solidâ€Phase Synthesis of Multivalent Glycopeptide Mimics. European Journal of Organic Chemistry, 2020, 2020, 5126-5139.	2.4	6
50	Reagent Controlled Glycosylations for the Assembly of Well-Defined Pel Oligosaccharides. Journal of Organic Chemistry, 2020, 85, 15872-15884.	3.2	19
51	Characterization of glycosyl dioxolenium ions and their role in glycosylation reactions. Nature Communications, 2020, 11, 2664.	12.8	83
52	Dynamics of Ligand Binding to a Rigid Glycosidase**. Angewandte Chemie, 2020, 132, 20689-20695.	2.0	0
53	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
54	Spatiotemporal proteomics uncovers cathepsin-dependent macrophage cell death during Salmonella infection. Nature Microbiology, 2020, 5, 1119-1133.	13.3	30

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55	Dynamics of Ligand Binding to a Rigid Glycosidase**. Angewandte Chemie - International Edition, 2020, 59, 20508-20514.	13.8	4
56	Fluorogenic Bifunctional trans â€Cyclooctenes as Efficient Tools for Investigating Clickâ€toâ€Release Kinetics. Chemistry - A European Journal, 2020, 26, 9900-9904.	3.3	7
57	Synthesis of orthogonally protected and functionalized bacillosamines. Organic and Biomolecular Chemistry, 2020, 18, 2834-2837.	2.8	7
58	Structureâ€Based Design of Fluorogenic Substrates Selective for Human Proteasome Subunits. ChemBioChem, 2020, 21, 3220-3224.	2.6	2
59	Manno-epi-cyclophellitols Enable Activity-Based Protein Profiling of Human Î±-Mannosidases and Discovery of New Golgi Mannosidase II Inhibitors. Journal of the American Chemical Society, 2020, 142, 13021-13029.	13.7	24
60	Chemical genetics strategy to profile kinase target engagement reveals role of FES in neutrophil phagocytosis. Nature Communications, 2020, 11, 3216.	12.8	10
61	Skin of atopic dermatitis patients shows disturbed Î²-glucocerebrosidase and acid sphingomyelinase activity that relates to changes in stratum corneum lipid composition. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158673.	2.4	20
62	Reagent controlled stereoselective synthesis of teichoic acid Î±-(1,2)-glucans. Organic and Biomolecular Chemistry, 2020, 18, 2038-2050.	2.8	5
63	C-Mannosyl Lysine for Solid Phase Assembly of Mannosylated Peptide Conjugate Cancer Vaccines. ACS Chemical Biology, 2020, 15, 728-739.	3.4	16
64	Rational Design of Mechanism-Based Inhibitors and Activity-Based Probes for the Identification of Retaining Î±-<scp>l</scp>-Arabinofuranosidases. Journal of the American Chemical Society, 2020, 142, 4648-4662.	13.7	33
65	Immunoproteasome Inhibitorâ€“Doxorubicin Conjugates Target Multiple Myeloma Cells and Release Doxorubicin upon Low-Dose Photon Irradiation. Journal of the American Chemical Society, 2020, 142, 7250-7253.	13.7	16
66	Plant Glycosides and Glycosidases: A Treasure-Trove for Therapeutics. Frontiers in Plant Science, 2020, 11, 357.	3.6	63
67	Synthesis and Structural Analysis of Aspergillus fumigatus Galactosaminogalactans Featuring Î±â€Galactose, Î±â€Galactosamine and Î±â€Nâ€Acetyl Galactosamine Linkages. Angewandte Chemie - International Edition, 2020, 59, 12746-12750.	13.8	28
68	Skin barrier lipid enzyme activity in Netherton patients is associated with protease activity and ceramide abnormalities. Journal of Lipid Research, 2020, 61, 859-869.	4.2	18
69	Olaparibâ€Based Photoaffinity Probes for PARPâ€1 Detection in Living Cells. ChemBioChem, 2020, 21, 2431-2434.	2.6	5
70	STAâ€55, an Easily Accessible, Broadâ€Spectrum, Activityâ€Based Aldehyde Dehydrogenase Probe. ChemBioChem, 2020, 21, 1911-1917.	2.6	5
71	Structure of a GH51 Î±-<scp>L</scp>-arabinofuranosidase from Meripilus giganteus: conserved substrate recognition from bacteria to fungi. Acta Crystallographica Section D: Structural Biology, 2020, 76, 1124-1133.	2.3	8
72	Nelfinavir Overcomes Proteasome Inhibitor Resistance in Multiple Myeloma By Modulating Membrane Lipid Bilayer Composition and Fluidity. Blood, 2020, 136, 11-11.	1.4	0

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73	All-Trans-Retinoic Acid Prevents Carfilzomib-Induced Cardiotoxicity By Decreasing Activation of the Renin-Angiotensin System. Blood, 2020, 136, 19-20.	1.4	19
74	Unravelling effects of relative humidity on lipid barrier formation in human skin equivalents. Archives of Dermatological Research, 2019, 311, 679-689.	1.9	7
75	An overview of activity-based probes for glycosidases. Current Opinion in Chemical Biology, 2019, 53, 25-36.	6.1	76
76	Î±-<scp>d</scp>-Gal-cyclophellitol cyclosulfamidate is a Michaelis complex analog that stabilizes therapeutic lysosomal Î±-galactosidase A in Fabry disease. Chemical Science, 2019, 10, 9233-9243.	7.4	11
77	Progranulin deficiency leads to reduced glucocerebrosidase activity. PLoS ONE, 2019, 14, e0212382.	2.5	57
78	Acceptor reactivity in glycosylation reactions. Chemical Society Reviews, 2019, 48, 4688-4706.	38.1	114
79	Fluorescent Probes from Aromatic Polycyclic Nitrile Oxides: Isoxazoles versus Dihydroâ€1Î»³,3,2Î»⁴â€Oxazaborinines. ChemistryOpen, 2019, 8, 770-780.	1.9	7
80	Synthetic, Zwitterionic Sp1 Oligosaccharides Adopt a Helical Structure Crucial for Antibody Interaction. ACS Central Science, 2019, 5, 1407-1416.	11.3	52
81	The Iminosugar AMP-DNM Improves Satiety and Activates Brown Adipose Tissue Through GLP1. Diabetes, 2019, 68, 2223-2234.	0.6	5
82	Nonâ€lethal proteasome inhibition activates proâ€tumorigenic pathways in multiple myeloma cells. Journal of Cellular and Molecular Medicine, 2019, 23, 8010-8018.	3.6	4
83	ABHD2 Inhibitor Identified by Activity-Based Protein Profiling Reduces Acrosome Reaction. ACS Chemical Biology, 2019, 14, 2295-2304.	3.4	10
84	Systematic Dual Targeting of Dendritic Cell C-Type Lectin Receptor DC-SIGN and TLR7 Using a Trifunctional Mannosylated Antigen. Frontiers in Chemistry, 2019, 7, 650.	3.6	37
85	Dynamic and Functional Profiling of Xylan-Degrading Enzymes in Aspergillus Secretomes Using Activity-Based Probes. ACS Central Science, 2019, 5, 1067-1078.	11.3	34
86	Defining the S_N1 Side of Glycosylation Reactions: Stereoselectivity of Glycopyranosyl Cations. ACS Central Science, 2019, 5, 781-788.	11.3	84
87	Scope and Limitations of Boron Fluorescent Complexes from Stable Nitrile Oxides in ABPP Assays. ACS Omega, 2019, 4, 7766-7774.	3.5	7
88	Localization of active endogenous and exogenous Î²â€glucocerebrosidase by correlative lightâ€electron microscopy in human fibroblasts. Traffic, 2019, 20, 346-356.	2.7	15
89	Dual Synthetic Peptide Conjugate Vaccine Simultaneously Triggers TLR2 and NOD2 and Activates Human Dendritic Cells. Bioconjugate Chemistry, 2019, 30, 1150-1161.	3.6	24
90	Furanosyl Oxocarbenium Ion Conformational Energy Landscape Maps as a Tool to Study the Glycosylation Stereoselectivity of 2â€Azidofuranoses, 2â€Fluorofuranoses and Methyl Furanosyl Uronates. Chemistry - A European Journal, 2019, 25, 7149-7157.	3.3	26

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91	Peptides conjugated to 2-alkoxy-8-oxo-adenine as potential synthetic vaccines triggering TLR7. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 1340-1344.	2.2	17
92	Functionalized Cyclophellitols Are Selective Glucocerebrosidase Inhibitors and Induce a Bona Fide Neuropathic Gaucher Model in Zebrafish. Journal of the American Chemical Society, 2019, 141, 4214-4218.	13.7	28
93	Role of Î¼-glucosidase 2 in aberrant glycosphingolipid metabolism: model of glucocerebrosidase deficiency in zebrafish. Journal of Lipid Research, 2019, 60, 1851-1867.	4.2	29
94	Identification of Î±,Î²-Hydrolase Domain Containing Protein 6 as a Diacylglycerol Lipase in Neuro-2a Cells. Frontiers in Molecular Neuroscience, 2019, 12, 286.	2.9	19
95	Glycosphingolipids and lysosomal storage disorders as illustrated by gaucher disease. Current Opinion in Chemical Biology, 2019, 53, 204-215.	6.1	38
96	Development of a Retinal-Based Probe for the Profiling of Retinaldehyde Dehydrogenases in Cancer Cells. ACS Central Science, 2019, 5, 1965-1974.	11.3	13
97	A round up on some of the latest in the chemistry and biology of carbohydrates and carbohydrate-processing enzymes. Current Opinion in Chemical Biology, 2019, 53, A1-A3.	6.1	0
98	Synthesis of Glycosylated 1â€Deoxynojirimycins Starting from Natural and Synthetic Disaccharides. European Journal of Organic Chemistry, 2019, 2019, 118-129.	2.4	8
99	Direct Stereoselective Aziridination of Cyclohexenols with 3â€Aminoâ€2â€(trifluoromethyl)quinazolinâ€4(3H)â€one in the Synthesis of Cyclitol Aziridine Glycosidase Inhibitors. European Journal of Organic Chemistry, 2019, 2019, 1397-1404.	2.4	5
100	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
101	Synthesis, Reactivity, and Stereoselectivity of 4-Thiofuranosides. Journal of Organic Chemistry, 2019, 84, 1218-1227.	3.2	20
102	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
103	Trypanosoma brucei: Î²2-selective proteasome inhibitors do not block the proteasomal trypsin-like activity but are trypanocidal. Molecular and Biochemical Parasitology, 2019, 227, 1-4.	1.1	5
104	Activity-Based Protein Profiling Identifies Î±-Ketoamides as Inhibitors for Phospholipase A2 Group XVI. ACS Chemical Biology, 2019, 14, 164-169.	3.4	24
105	Structure-Based Design of Inhibitors Selective for Human Proteasome Î²2c or Î²2i Subunits. Journal of Medicinal Chemistry, 2019, 62, 1626-1642.	6.4	23
106	Comprehensive structure-activity-relationship of azaindoles as highly potent FLT3 inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 692-699.	3.0	4
107	Reagent Controlled Stereoselective Assembly of Î±â€(1,3)â€Glucans. European Journal of Organic Chemistry, 2019, 2019, 1994-2003.	2.4	16
108	Carfilzomib Induces Cardiotoxicity Via ÃŸ5/ÃŸ2-Specific Proteasome Subunit Inhibition Pattern. Blood, 2019, 134, 3110-3110.	1.4	3

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109	A General Approach Towards Triazoleâ€Linked Adenosine Diphosphate Ribosylated Peptides and Proteins. Angewandte Chemie, 2018, 130, 1675-1678.	2.0	4
110	Reaction Rates of Various Nâ€Acylenamines in the Inverseâ€Electronâ€Demand Dielsâ€“Alder Reaction. European Journal of Organic Chemistry, 2018, 2018, 2587-2591.	2.4	3
111	Nicotiana benthamiana Î±-galactosidase A1.1 can functionally complement human Î±-galactosidase A deficiency associated with Fabry disease. Journal of Biological Chemistry, 2018, 293, 10042-10058.	3.4	20
112	Mapping the Relationship between Glycosyl Acceptor Reactivity and Glycosylation Stereoselectivity. Angewandte Chemie, 2018, 130, 8372-8376.	2.0	32
113	Mapping the Relationship between Glycosyl Acceptor Reactivity and Glycosylation Stereoselectivity. Angewandte Chemie - International Edition, 2018, 57, 8240-8244.	13.8	83
114	Streamlined Synthesis and Evaluation of Teichoic Acid Fragments. Chemistry - A European Journal, 2018, 24, 4014-4018.	3.3	18
115	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
116	Synthesis of Carbaâ€Cyclophellitols: a New Class of Carbohydrate Mimetics. European Journal of Organic Chemistry, 2018, 2018, 2504-2517.	2.4	4
117	Quantification of Bioorthogonal Stability in Immune Phagocytes Using Flow Cytometry Reveals Rapid Degradation of Strained Alkynes. ACS Chemical Biology, 2018, 13, 1173-1179.	3.4	16
118	Gluco-1H-imidazole: A New Class of Azole-Type Î²-Glucosidase Inhibitor. Journal of the American Chemical Society, 2018, 140, 5045-5048.	13.7	17
119	Multiplex Fluorescent, Activity-Based Protein Profiling Identifies Active Î±-Glycosidases and Other Hydrolases in Plants. Plant Physiology, 2018, 177, 24-37.	4.8	20
120	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
121	Reagent Controlled Stereoselective Synthesis of Î±-Glucans. Journal of the American Chemical Society, 2018, 140, 4632-4638.	13.7	90
122	Amelioration of autoimmunity with an inhibitor selectively targeting all active centres of the immunoproteasome. British Journal of Pharmacology, 2018, 175, 38-52.	5.4	30
123	A General Approach Towards Triazoleâ€Linked Adenosine Diphosphate Ribosylated Peptides and Proteins. Angewandte Chemie - International Edition, 2018, 57, 1659-1662.	13.8	21
124	An inhibitor of proteasome Î²2 sites sensitizes myeloma cells to immunoproteasome inhibitors. Blood Advances, 2018, 2, 2443-2451.	5.2	27
125	A chemical genetic screen reveals that iminosugar inhibitors of plant glucosylceramide synthase inhibit root growth in Arabidopsis and cereals. Scientific Reports, 2018, 8, 16421.	3.3	4
126	Coâ€inhibition of immunoproteasome subunits LMP2 and LMP7 is required to block autoimmunity. EMBO Reports, 2018, 19, .	4.5	51

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127	New Irreversible Î±â€<scp>l</scp>â€Iduronidase Inhibitors and Activityâ€Based Probes. Chemistry - A European Journal, 2018, 24, 19081-19088.	3.3	9
128	Distinguishing the differences in Î²-glycosylceramidase folds, dynamics, and actions informs therapeutic uses. Journal of Lipid Research, 2018, 59, 2262-2276.	4.2	12
129	Fast and pHâ€Independent Elimination of transâ€Cyclooctene by Using Aminoethylâ€Functionalized Tetrazines. Chemistry - A European Journal, 2018, 24, 18075-18081.	3.3	26
130	Coordinationâ€Assisted Bioorthogonal Chemistry: Orthogonal Tetrazine Ligation with Vinylboronic Acid and a Strained Alkene. ChemBioChem, 2018, 19, 1648-1652.	2.6	17
131	Spiroâ€epoxyglycosides as Activityâ€Based Probes for Glycoside Hydrolase Family 99 Endomannosidase/Endomannanase. Chemistry - A European Journal, 2018, 24, 9983-9992.	3.3	9
132	Synthetic Î±- and Î²-Ser-ADP-ribosylated Peptides Reveal Î±-Ser-ADPr as the Native Epimer. Organic Letters, 2018, 20, 4140-4143.	4.6	42
133	Chemical Control over T-Cell Activation in Vivo Using Deprotection of trans-Cyclooctene-Modified Epitopes. ACS Chemical Biology, 2018, 13, 1569-1576.	3.4	29
134	Chemical Proteomic Analysis of Serine Hydrolase Activity in Niemann-Pick Type C Mouse Brain. Frontiers in Neuroscience, 2018, 12, 440.	2.8	11
135	Titelbild: Mapping the Relationship between Glycosyl Acceptor Reactivity and Glycosylation Stereoselectivity (Angew. Chem. 27/2018). Angewandte Chemie, 2018, 130, 8033-8033.	2.0	0
136	Chemical Proteomics Maps Brain Region Specific Activity of Endocannabinoid Hydrolases. ACS Chemical Biology, 2017, 12, 852-861.	3.4	35
137	Combined Phosphoramiditeâ€Phosphodiester Reagents for the Synthesis of Methylene Bisphosphonates. Angewandte Chemie - International Edition, 2017, 56, 2955-2959.	13.8	22
138	Combined Phosphoramiditeâ€Phosphodiester Reagents for the Synthesis of Methylene Bisphosphonates. Angewandte Chemie, 2017, 129, 3001-3005.	2.0	6
139	Subunitâ€selective proteasome activity profiling uncovers uncoupled proteasome subunit activities during bacterial infections. Plant Journal, 2017, 90, 418-430.	5.7	13
140	Stereoselectivity of Conformationally Restricted Glucosazide Donors. Journal of Organic Chemistry, 2017, 82, 4793-4811.	3.2	48
141	Stabilization of Glucocerebrosidase by Active Site Occupancy. ACS Chemical Biology, 2017, 12, 1830-1841.	3.4	24
142	Synthesis of the Staphylococcus aureus Strain M Capsular Polysaccharide Repeating Unit. Organic Letters, 2017, 19, 2514-2517.	4.6	45
143	Carba-cyclophellitols Are Neutral Retaining-Glucosidase Inhibitors. Journal of the American Chemical Society, 2017, 139, 6534-6537.	13.7	24
144	Correlative light and electron microscopy reveals discrepancy between gold and fluorescence labelling. Journal of Microscopy, 2017, 267, 309-317.	1.8	13

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145	Activity-based protein profiling reveals off-target proteins of the FAAH inhibitor BIA 10-2474. Science, 2017, 356, 1084-1087.	12.6	251
146	Chiral disubstituted piperidinyl ureas: a class of dual diacylglycerol lipase-Î± and ABHD6 inhibitors. MedChemComm, 2017, 8, 982-988.	3.4	8
147	Conformational Behaviour of Azasugars Based on Mannuronic Acid. ChemBioChem, 2017, 18, 1297-1304.	2.6	7
148	Triazole Ureas Act as Diacylglycerol Lipase Inhibitors and Prevent Fasting-Induced Refeeding. Journal of Medicinal Chemistry, 2017, 60, 428-440.	6.4	30
149	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
150	Teichoic acids: synthesis and applications. Chemical Society Reviews, 2017, 46, 1464-1482.	38.1	50
151	A Specific Activityâ€Based Probe to Monitor Family GH59 Galactosylceramidase, the Enzyme Deficient in Krabbe Disease. ChemBioChem, 2017, 18, 402-412.	2.6	18
152	Novel activity-based probes for N-acylethanolamine acid amidase. Chemical Communications, 2017, 53, 11810-11813.	4.1	7
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