Huib Ovaa

List of Publications by Year
in descending order

210 papers	16,075 citations	14655 66 h-index	20358 116 g-index
228 all docs	228 docs citations	228 times ranked	20063 citing authors

#	Article	IF	Citations
1	Papain-like protease regulates SARS-CoV-2 viral spread and innate immunity. Nature, 2020, 587, 657-662.	27.8	818
2	A novel orally active proteasome inhibitor induces apoptosis in multiple myeloma cells with mechanisms distinct from Bortezomib. Cancer Cell, 2005, 8, 407-419.	16.8	673
3	Chemistry-Based Functional Proteomics Reveals Novel Members of the Deubiquitinating Enzyme Family. Chemistry and Biology, 2002, 9, 1149-1159.	6.0	533
4	OTU Deubiquitinases Reveal Mechanisms of Linkage Specificity and Enable Ubiquitin Chain Restriction Analysis. Cell, 2013, 154, 169-184.	28.9	470
5	Proteome-wide identification of ubiquitin interactions using UbIA-MS. Nature Protocols, 2018, 13, 530-550.	12.0	454
6	Crystal Structure of the Boronic Acid-Based Proteasome Inhibitor Bortezomib in Complex with the Yeast 20S Proteasome. Structure, 2006, 14, 451-456.	3.3	431
7	Mechanism and inhibition of the papainâ€like protease, PLpro, of SARSâ€CoVâ€2. EMBO Journal, 2020, 39, e106275.	7.8	330
8	Design and use of conditional MHC class I ligands. Nature Medicine, 2006, 12, 246-251.	30.7	304
9	Generation of peptideâ€“MHC class I complexes through UV-mediated ligand exchange. Nature Protocols, 2006, 1, 1120-1132.	12.0	293
10	On Terminal Alkynes That Can React with Active-Site Cysteine Nucleophiles in Proteases. Journal of the American Chemical Society, 2013, 135, 2867-2870.	13.7	290
11	Chemical Synthesis of Ubiquitin, Ubiquitinâ€Based Probes, and Diubiquitin. Angewandte Chemie - International Edition, 2010, 49, 10149-10153.	13.8	287
12	Stabilization of the Transcription Factor Foxp3 by the Deubiquitinase USP7 Increases Treg-Cell-Suppressive Capacity. Immunity, 2013, 39, 259-271.	14.3	248
13	Structural basis of substrate discrimination and integrin binding by autotaxin. Nature Structural and Molecular Biology, 2011, 18, 198-204.	8.2	247
14	CEP-18770: A novel, orally active proteasome inhibitor with a tumor-selective pharmacologic profile competitive with bortezomib. Blood, 2008, 111, 2765-2775.	1.4	239
15	Disease-Associated Prion Protein Oligomers Inhibit the 26S Proteasome. Molecular Cell, 2007, 26, 175-188.	9.7	237
16	Activity probe for in vivo profiling of the specificity of proteasome inhibitor bortezomib. Nature Methods, 2005, 2, 357-362.	19.0	230
17	Cholesterol Metabolism Is a Druggable Axis that Independently Regulates Tau and Amyloid-Î² in iPSC-Derived Alzheimerâ€™s Disease Neurons. Cell Stem Cell, 2019, 24, 363-375.e9.	11.1	220
18	Differential dependence of CD4+CD25+ regulatory and natural killer-like T cells on signals leading to NF-ÂB activation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4566-4571.	7.1	218

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19	Zinc-finger protein A20, a regulator of inflammation and cell survival, has de-ubiquitinating activity. Biochemical Journal, 2004, 378, 727-734.	3.7	214
20	Rapid Covalent-Probe Discovery by Electrophile-Fragment Screening. Journal of the American Chemical Society, 2019, 141, 8951-8968.	13.7	213
21	Mechanism of USP7/HAUSP Activation by Its C-Terminal Ubiquitin-like Domain and Allosteric Regulation by GMP-Synthetase. Molecular Cell, 2011, 44, 147-159.	9.7	202
22	Activity-based ubiquitin-specific protease (USP) profiling of virus-infected and malignant human cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2253-2258.	7.1	191
23	Specific and Covalent Targeting of Conjugating and Deconjugating Enzymes of Ubiquitin-Like Proteins. Molecular and Cellular Biology, 2004, 24, 84-95.	2.3	184
24	The Differential Modulation of USP Activity by Internal Regulatory Domains, Interactors and Eight Ubiquitin Chain Types. Chemistry and Biology, 2011, 18, 1550-1561.	6.0	184
25	Boronic acid-based inhibitor of autotaxin reveals rapid turnover of LPA in the circulation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7257-7262.	7.1	182
26	Two Distinct Types of E3 Ligases Work in Unison to Regulate Substrate Ubiquitylation. Cell, 2016, 166, 1198-1214.e24.	28.9	172
27	A Fluorescent Broad-Spectrum Proteasome Inhibitor for Labeling Proteasomes In Vitro and In Vivo. Chemistry and Biology, 2006, 13, 1217-1226.	6.0	168
28	Structure of the Ubiquitin Hydrolase UCH-L3 Complexed with a Suicide Substrate. Journal of Biological Chemistry, 2005, 280, 1512-1520.	3.4	166
29	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
30	A Genome-wide Multidimensional RNAi Screen Reveals Pathways Controlling MHC Class II Antigen Presentation. Cell, 2011, 145, 268-283.	28.9	151
31	Conditional MHC class I ligands and peptide exchange technology for the human MHC gene products HLA-A1, -A3, -A11, and -B7. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3825-3830.	7.1	150
32	BAP1/ASXL1 recruitment and activation for H2A deubiquitination. Nature Communications, 2016, 7, 10292.	12.8	149
33	Ubiquitinâ€specific proteaseâ€like 1 (USPL1) is a SUMO isopeptidase with essential, nonâ€catalytic functions. EMBO Reports, 2012, 13, 930-938.	4.5	143
34	Two Novel Ubiquitin-fold Modifier 1 (Ufm1)-specific Proteases, UfSP1 and UfSP2. Journal of Biological Chemistry, 2007, 282, 5256-5262.	3.4	135
35	Elucidating crosstalk mechanisms between phosphorylation and O-GlcNAcylation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7255-E7261.	7.1	132
36	Reactive glia show increased immunoproteasome activity in Alzheimerâ€™s disease. Brain, 2013, 136, 1415-1431.	7.6	130

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37	Molecular basis of Lys11-polyubiquitin specificity in the deubiquitinase Cezanne. Nature, 2016, 538, 402-405.	27.8	129
38	An ankyrin-repeat ubiquitin-binding domain determines TRABID's specificity for atypical ubiquitin chains. Nature Structural and Molecular Biology, 2012, 19, 62-71.	8.2	122
39	Recognition of Lys48-Linked Di-ubiquitin and Deubiquitinating Activities of the SARS Coronavirus Papain-like Protease. Molecular Cell, 2016, 62, 572-585.	9.7	122
40	A cascading activity-based probe sequentially targets E1â€"E2â€"E3 ubiquitin enzymes. Nature Chemical Biology, 2016, 12, 523-530.	8.0	122
41	Epstein-Barr Virus Large Tegument Protein BPLF1 Contributes to Innate Immune Evasion through Interference with Toll-Like Receptor Signaling. PLoS Pathogens, 2014, 10, e1003960.	4.7	120
42	The Molecular Basis for Ubiquitin and Ubiquitin-like Specificities in Bacterial Effector Proteases. Molecular Cell, 2016, 63, 261-276.	9.7	119
43	Proteasome Activation by Small Molecules. Cell Chemical Biology, 2017, 24, 725-736.e7.	5.2	113
44	Unnatural amino acid incorporation in E. coli: current and future applications in the design of therapeutic proteins. Frontiers in Chemistry, 2014, 2, 15.	3.6	110
45	An Interaction Landscape of Ubiquitin Signaling. Molecular Cell, 2017, 65, 941-955.e8.	9.7	109
46	A family of unconventional deubiquitinases with modular chain specificity determinants. Nature Communications, 2018, 9, 799.	12.8	108
47	The Deubiquitinating Enzyme UCH-L3 Regulates the Apical Membrane Recycling of the Epithelial Sodium Channel. Journal of Biological Chemistry, 2007, 282, 37885-37893.	3.4	104
48	Activity profiling of deubiquitinating enzymes in cervical carcinoma biopsies and cell lines. Molecular Carcinogenesis, 2006, 45, 260-269.	2.7	103
49	Mechanism of UCH-L5 Activation and Inhibition by DEUBAD Domains in RPN13 and INO80G. Molecular Cell, 2015, 57, 887-900.	9.7	99
50	Ubiquitin ligation to F-box protein targets by SCFâ€"RBR E3â€"E3 super-assembly. Nature, 2021, 590, 671-676.	27.8	97
51	Identification and characterization of a SARS-CoV-2 specific CD8+ T cell response with immunodominant features. Nature Communications, 2021, 12, 2593.	12.8	94
52	Recombination-induced tag exchange to track old and new proteins. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 64-68.	7.1	92
53	Deubiquitinase Activity Profiling Identifies UCHL1 as a Candidate Oncoprotein That Promotes TGFÎ²-Induced Breast Cancer Metastasis. Clinical Cancer Research, 2020, 26, 1460-1473.	7.0	92
54	DNPâ€Supported Solidâ€State NMR Spectroscopy of Proteins Inside Mammalian Cells. Angewandte Chemie - International Edition, 2019, 58, 12969-12973.	13.8	91

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55	Non-hydrolyzable Diubiquitin Probes Reveal Linkage-Specific Reactivity of Deubiquitylating Enzymes Mediated by S2 Pockets. Cell Chemical Biology, 2016, 23, 472-482.	5.2	90
56	A General Chemical Ligation Approach Towards Isopeptideâ€Linked Ubiquitin and Ubiquitinâ€Like Assay Reagents. ChemBioChem, 2012, 13, 293-297.	2.6	86
57	The first step of peptide selection in antigen presentation by MHC class I molecules. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1505-1510.	7.1	85
58	Structural basis of the specificity of USP18 toward ISG15. Nature Structural and Molecular Biology, 2017, 24, 270-278.	8.2	85
59	A Native Chemical Ligation Handle that Enables the Synthesis of Advanced Activityâ€Based Probes: Diubiquitin as a Case Study. ChemBioChem, 2014, 15, 946-949.	2.6	83
60	Small-Molecule Inhibitors and Probes for Ubiquitin- and Ubiquitin-Like-Specific Proteases. ChemBioChem, 2005, 6, 287-291.	2.6	82
61	Opportunities for Small Molecules in Cancer Immunotherapy. Trends in Immunology, 2020, 41, 493-511.	6.8	82
62	Structure-Based Design of Novel Boronic Acid-Based Inhibitors of Autotaxin. Journal of Medicinal Chemistry, 2011, 54, 4619-4626.	6.4	81
63	Profiling Proteasome Activity in Tissue with Fluorescent Probes. Molecular Pharmaceutics, 2007, 4, 739-748.	4.6	78
64	Chemistry-Based Functional Proteomics:Â Mechanism-Based Activity-Profiling Tools for Ubiquitin and Ubiquitin-like Specific Proteases. Journal of Proteome Research, 2004, 3, 268-276.	3.7	76
65	A peptide's perspective on antigen presentation to the immune system. Nature Chemical Biology, 2013, 9, 769-775.	8.0	72
66	The Alkyne Moiety as a Latent Electrophile in Irreversible Covalent Small Molecule Inhibitors of Cathepsin K. Journal of the American Chemical Society, 2019, 141, 3507-3514.	13.7	72
67	Irreversible inactivation of ISG15 by a viral leader protease enables alternative infection detection strategies. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2371-2376.	7.1	68
68	Nonhydrolyzable Ubiquitinâ˜'Isopeptide Isosteres as Deubiquitinating Enzyme Probes.. Journal of the American Chemical Society, 2010, 132, 8834-8835.	13.7	67
69	Ubiquitinâ€Based Probes Prepared by Total Synthesis To Profile the Activity of Deubiquitinating Enzymes. ChemBioChem, 2012, 13, 2251-2258.	2.6	67
70	Necessity of Lysophosphatidic Acid Receptor 1 for Development of Arthritis. Arthritis and Rheumatism, 2013, 65, 2037-2047.	6.7	67
71	Automated Online Sequential Isotope Labeling for Protein Quantitation Applied to Proteasome Tissue-specific Diversity. Molecular and Cellular Proteomics, 2008, 7, 1755-1762.	3.8	66
72	Chemical Evolution of Autotaxin Inhibitors. Chemical Reviews, 2012, 112, 2593-2603.	47.7	66

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73	Discovery and Optimization of Boronic Acid Based Inhibitors of Autotaxin. Journal of Medicinal Chemistry, 2010, 53, 4958-4967.	6.4	65
74	Tools to investigate the ubiquitin proteasome system. Drug Discovery Today: Technologies, 2017, 26, 25-31.	4.0	65
75	Ritonavir induces endoplasmic reticulum stress and sensitizes sarcoma cells toward bortezomib-induced apoptosis. Molecular Cancer Therapeutics, 2008, 7, 1940-1948.	4.1	64
76	SARS hCoV papain-like protease is a unique Lys48 linkage-specific di-distributive deubiquitinating enzyme. Biochemical Journal, 2015, 468, 215-226.	3.7	60
77	Definition of Proteasomal Peptide Splicing Rules for High-Efficiency Spliced Peptide Presentation by MHC Class I Molecules. Journal of Immunology, 2015, 195, 4085-4095.	0.8	58
78	USP32 regulates late endosomal transport and recycling through deubiquitylation of Rab7. Nature Communications, 2019, 10, 1454.	12.8	58
79	Early adipogenesis is regulated through USP7-mediated deubiquitination of the histone acetyltransferase TIP60. Nature Communications, 2013, 4, 2656.	12.8	56
80	High-Throughput T-Cell Epitope Discovery Through MHC Peptide Exchange. Methods in Molecular Biology, 2009, 524, 383-405.	0.9	52
81	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
82	Molecular characterization of ubiquitinâ€specific protease 18 reveals substrate specificity for interferonâ€stimulated gene 15. FEBS Journal, 2014, 281, 1918-1928.	4.7	48
83	Target Specificity of the E3 Ligase LUBAC for Ubiquitin and NEMO Relies on Different Minimal Requirements. Journal of Biological Chemistry, 2013, 288, 31728-31737.	3.4	47
84	Catching a DUB in the act: novel ubiquitin-based active site directed probes. Current Opinion in Chemical Biology, 2014, 23, 63-70.	6.1	46
85	Development of Diubiquitinâ€Based FRET Probes To Quantify Ubiquitin Linkage Specificity of Deubiquitinating Enzymes. ChemBioChem, 2016, 17, 816-820.	2.6	46
86	Small-Molecule Activity-Based Probe for Monitoring Ubiquitin C-Terminal Hydrolase L1 (UCHL1) Activity in Live Cells and Zebrafish Embryos. Journal of the American Chemical Society, 2020, 142, 16825-16841.	13.7	46
87	Identification and characterization of diverse OTU deubiquitinases in bacteria. EMBO Journal, 2020, 39, e105127.	7.8	46
88	Dynamic recruitment of active proteasomes into polyglutamine initiated inclusion bodies. FEBS Letters, 2014, 588, 151-159.	2.8	44
89	SUMOylation and the HSF1-Regulated Chaperone Network Converge to Promote Proteostasis in Response to Heat Shock. Cell Reports, 2019, 26, 236-249.e4.	6.4	44
90	Cracking the Ubiquitin Code: The Ubiquitin Toolbox. Current Issues in Molecular Biology, 2020, 37, 1-20.	2.4	43

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91	Total Chemical Synthesis of SUMO and SUMOâ€Based Probes for Profiling the Activity of SUMOâ€Specific Proteases. Angewandte Chemie - International Edition, 2018, 57, 8958-8962.	13.8	42
92	Generation of Peptide MHC Class I Monomers and Multimers Through Ligand Exchange. Current Protocols in Immunology, 2009, 87, Unit 18.16.	3.6	41
93	Scalable synthesis of Î³-thiolysine starting from lysine and a side by side comparison with Î´-thiolysine in non-enzymatic ubiquitination. Chemical Science, 2013, 4, 4494.	7.4	41
94	SUMO targets the APC/C to regulate transition from metaphase to anaphase. Nature Communications, 2018, 9, 1119.	12.8	41
95	Global non-covalent SUMO interaction networks reveal SUMO-dependent stabilization of the non-homologous end joining complex. Cell Reports, 2021, 34, 108691.	6.4	41
96	Probing the Specificity and Activity Profiles of the Proteasome Inhibitors Bortezomib and Delanzomib. Molecular Pharmaceutics, 2012, 9, 1126-1135.	4.6	40
97	Altered Peptide Ligands Revisited: Vaccine Design through Chemically Modified HLA-A2â€“Restricted T Cell Epitopes. Journal of Immunology, 2014, 193, 4803-4813.	0.8	40
98	An adenosine triphosphate-independent proteasome activator contributes to the virulence of <i>Mycobacterium tuberculosis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1763-72.	7.1	40
99	Active-site directed probes to report enzymatic action in the ubiquitin proteasome system. Nature Reviews Cancer, 2007, 7, 613-620.	28.4	39
100	Exploring the Versatility of the Covalent Thiolâ€“Alkyne Reaction with Substituted Propargyl Warheads: A Deciding Role for the Cysteine Protease. Journal of the American Chemical Society, 2021, 143, 6423-6433.	13.7	39
101	Ubiquitin Phosphorylation at Thr12 Modulates the DNA Damage Response. Molecular Cell, 2020, 80, 423-436.e9.	9.7	38
102	Polyubiquitin-Photoactivatable Crosslinking Reagents for Mapping Ubiquitin Interactome Identify Rpn1 as a Proteasome Ubiquitin-Associating Subunit. Cell Chemical Biology, 2017, 24, 443-457.e6.	5.2	37
103	Release of Enzymatically Active Deubiquitinating Enzymes upon Reversible Capture by Disulfide Ubiquitin Reagents. Angewandte Chemie - International Edition, 2017, 56, 12967-12970.	13.8	37
104	Why do proteases mess up with antigen presentation by re-shuffling antigen sequences?. Current Opinion in Immunology, 2018, 52, 81-86.	5.5	37
105	Hybrid Chains: A Collaboration of Ubiquitin and Ubiquitin-Like Modifiers Introducing Cross-Functionality to the Ubiquitin Code. Frontiers in Chemistry, 2019, 7, 931.	3.6	37
106	Intermediate filament transcription in astrocytes is repressed by proteasome inhibition. FASEB Journal, 2009, 23, 2710-2726.	0.5	36
107	Evaluation of the Specificity and Cytotoxicity of Three Proteasome Inhibitors.. Blood, 2005, 106, 3366-3366.	1.4	36
108	Proteasome activity regulates CD8+ T lymphocyte metabolism and fate specification. Journal of Clinical Investigation, 2017, 127, 3609-3623.	8.2	35

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109	UV-Induced Ligand Exchange in MHC Class I Protein Crystals. Journal of the American Chemical Society, 2009, 131, 12298-12304.	13.7	34
110	Synthetic and semi-synthetic strategies to study ubiquitin signaling. Current Opinion in Structural Biology, 2016, 38, 92-101.	5.7	34
111	A flexible MHC class I multimer loading system for large-scale detection of antigen-specific T cells. Journal of Experimental Medicine, 2018, 215, 1493-1504.	8.5	33
112	Inhibition of Protein Ubiquitination by Paraquat and 1-Methyl-4-Phenylpyridinium Impairs Ubiquitin-Dependent Protein Degradation Pathways. Molecular Neurobiology, 2016, 53, 5229-5251.	4.0	32
113	Downregulation of 26S proteasome catalytic activity promotes epithelial-mesenchymal transition. Oncotarget, 2016, 7, 21527-21541.	1.8	32
114	Small molecules that target the ubiquitin system. Biochemical Society Transactions, 2020, 48, 479-497.	3.4	31
115	Control of Epithelial Cell Migration and Invasion by the IKKÎ²- and CK1Î±-Mediated Degradation of RAPGEF2. Developmental Cell, 2013, 27, 574-585.	7.0	30
116	How chemistry supports cell biology: the chemical toolbox at your service. Trends in Cell Biology, 2014, 24, 751-760.	7.9	30
117	Peptide Splicing in the Proteasome Creates a Novel Type of Antigen with an Isopeptide Linkage. Journal of Immunology, 2015, 195, 4075-4084.	0.8	30
118	DNPâ€Supported Solidâ€State NMR Spectroscopy of Proteins Inside Mammalian Cells. Angewandte Chemie, 2019, 131, 13103-13107.	2.0	29
119	Chemical biology of antigen presentation by MHC molecules. Current Opinion in Immunology, 2014, 26, 21-31.	5.5	28
120	Class I Major Histocompatibility Complexes Loaded by a Periodate Trigger. Journal of the American Chemical Society, 2009, 131, 12305-12313.	13.7	27
121	Dynamic recruitment of ubiquitin to mutant huntingtin inclusion bodies. Scientific Reports, 2018, 8, 1405.	3.3	27
122	Ubiquitin proteasome system as a pharmacological target in neurodegeneration. Expert Review of Neurotherapeutics, 2006, 6, 1337-1347.	2.8	26
123	Linkage-specific ubiquitin chain formation depends on a lysine hydrocarbon ruler. Nature Chemical Biology, 2021, 17, 272-279.	8.0	26
124	Kinetic analysis of multistep USP7 mechanism shows critical role for target protein in activity. Nature Communications, 2019, 10, 231.	12.8	25
125	Discovery of potent inhibitors of the lyso phospholipase autotaxin. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5403-5410.	2.2	24
126	How Chemical Synthesis of Ubiquitin Conjugates Helps To Understand Ubiquitin Signal Transduction. Bioconjugate Chemistry, 2017, 28, 805-815.	3.6	24

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127	Dot1 promotes H2B ubiquitination by a methyltransferase-independent mechanism. Nucleic Acids Research, 2018, 46, 11251-11261.	14.5	24
128	Manno-<i>epi</i>-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
129	Highlighting the Proteasome: Using Fluorescence to Visualize Proteasome Activity and Distribution. Frontiers in Molecular Biosciences, 2019, 6, 14.	3.5	23
130	Bacterial OTU deubiquitinases regulate substrate ubiquitination upon Legionella infection. ELife, 2020, 9, .	6.0	23
131	Quantifying cross-tissue diversity in proteasome complexes by mass spectrometry. Molecular BioSystems, 2010, 6, 1450.	2.9	22
132	Development of a Hypersensitive Periodateâ€Cleavable Amino Acid that is Methionineâ€•and Disulfideâ€Compatible and its Application in MHC Exchange Reagents for T Cell Characterisation. ChemBioChem, 2013, 14, 123-131.	2.6	22
133	Generation of the UFM1 Toolkit for Profiling UFM1â€Specific Proteases and Ligases. Angewandte Chemie - International Edition, 2018, 57, 14164-14168.	13.8	22
134	<i>Mycobacterium tuberculosis</i> Proteasome Accessory Factor A (PafA) Can Transfer Prokaryotic Ubiquitin-Like Protein (Pup) between Substrates. MBio, 2017, 8, .	4.1	21
135	Synthesis of Poly-Ubiquitin Chains Using a Bifunctional Ubiquitin Monomer. Organic Letters, 2017, 19, 6490-6493.	4.6	21
136	Identification of a novel ATM inhibitor with cancer cell specific radiosensitization activity. Oncotarget, 2017, 8, 73925-73937.	1.8	21
137	A General Approach Towards Triazoleâ€Linked Adenosine Diphosphate Ribosylated Peptides and Proteins. Angewandte Chemie - International Edition, 2018, 57, 1659-1662.	13.8	21
138	Mycobacterium tuberculosis Prokaryotic Ubiquitin-like Protein-deconjugating Enzyme Is an Unusual Aspartate Amidase. Journal of Biological Chemistry, 2012, 287, 37522-37529.	3.4	20
139	Deubiquitylase Inhibition Reveals Liver X Receptor-independent Transcriptional Regulation of the E3 Ubiquitin Ligase IDOL and Lipoprotein Uptake. Journal of Biological Chemistry, 2016, 291, 4813-4825.	3.4	20
140	Probing ubiquitin and SUMO conjugation and deconjugation. Biochemical Society Transactions, 2018, 46, 423-436.	3.4	20
141	Development of a DUB-selective fluorogenic substrate. Chemical Science, 2019, 10, 10290-10296.	7.4	20
142	Drug discovery and assay development in the ubiquitinâ€"proteasome system. Biochemical Society Transactions, 2010, 38, 14-20.	3.4	19
143	A Multifunctional Protease Inhibitor To Regulate Endolysosomal Function. ACS Chemical Biology, 2011, 6, 1198-1204.	3.4	19
144	Advancing our Understanding of Ubiquitination Using the Ub-Toolkit. Journal of Molecular Biology, 2017, 429, 3388-3394.	4.2	19

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145	Visualizing Proteasome Activity and Intracellular Localization Using Fluorescent Proteins and Activity-Based Probes. Frontiers in Molecular Biosciences, 2019, 6, 56.	3.5	19
146	Nedd8 hydrolysis by UCH proteases in Plasmodium parasites. PLoS Pathogens, 2019, 15, e1008086.	4.7	19
147	Sirtuin 1 Inhibiting Thiocyanates (S1th)â€”A New Class of Isotype Selective Inhibitors of NAD+ Dependent Lysine Deacetylases. Frontiers in Oncology, 2020, 10, 657.	2.8	19
148	Targeting TRIM Proteins: A Quest towards Drugging an Emerging Protein Class. ChemBioChem, 2021, 22, 2011-2031.	2.6	19
149	Enhanced Delivery of Synthetic Labelled Ubiquitin into Live Cells by Using Nextâ€Generation Ubâ€“TAT Conjugates. ChemBioChem, 2018, 19, 2553-2557.	2.6	18
150	Fluorescence-Based Proteasome Activity Profiling. Methods in Molecular Biology, 2012, 803, 183-204.	0.9	18
151	A Modified Epigenetics Toolbox to Study Histone Modifications on the Nucleosome Core. ChemBioChem, 2011, 12, 308-313.	2.6	17
152	Development of Ubiquitinâ€Based Probe for Metalloprotease Deubiquitinases. Angewandte Chemie - International Edition, 2019, 58, 14477-14482.	13.8	17
153	DUBs and disease: activity assays for inhibitor development. Current Opinion in Drug Discovery & Development, 2008, 11, 688-96.	1.9	17
154	USP7: combining tools towards selectivity. Chemical Communications, 2019, 55, 5075-5078.	4.1	16
155	Recognition of S100 proteins by Signal Inhibitory Receptor on Leukocytesâ€1 negatively regulates human neutrophils. European Journal of Immunology, 2021, 51, 2210-2217.	2.9	15
156	Chemical Modification of Influenza CD8+ T-Cell Epitopes Enhances Their Immunogenicity Regardless of Immunodominance. PLoS ONE, 2016, 11, e0156462.	2.5	15
157	Allosteric control of Ubp6 and the proteasome via a bidirectional switch. Nature Communications, 2022, 13, 838.	12.8	15
158	Mechanismâ€Based Proteomics Tools Based on Ubiquitin and Ubiquitinâ€Like Proteins: Synthesis of Active Siteâ€Directed Probes. Methods in Enzymology, 2005, 399, 468-478.	1.0	14
159	Technologies for MHC class I immunoproteomics. Journal of Proteomics, 2010, 73, 1945-1953.	2.4	14
160	Synthesis and Evaluation of a Selective Fluorogenic Pup Derived Assay Reagent for Dop, a Potential Drug Target in <i>Mycobacterium tuberculosis</i>. ChemBioChem, 2012, 13, 2056-2060.	2.6	14
161	Creating molecules that modulate immune responses. Nature Reviews Chemistry, 2018, 2, 184-193.	30.2	14
162	Chemical Tools and Biochemical Assays for SUMO Specific Proteases (SENPs). ACS Chemical Biology, 2019, 14, 2389-2395.	3.4	14

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163	Production and Thermal Exchange of Conditional Peptideâ€MHC I Multimers. Current Protocols in Immunology, 2019, 126, e85.	3.6	13
164	Chemical Biology Approaches to Probe the Proteome. ChemBioChem, 2008, 9, 2913-2919.	2.6	12
165	Inhibition of the Deubiquitinase Usp14 Diminishes Direct MHC Class I Antigen Presentation. Journal of Immunology, 2018, 200, 928-936.	0.8	12
166	Development of an Activityâ€Based Probe for Autotaxin. ChemBioChem, 2010, 11, 2311-2317.	2.6	11
167	Integrating Chemical and Genetic Silencing Strategies To Identify Host Kinase-Phosphatase Inhibitor Networks That Control Bacterial Infection. ACS Chemical Biology, 2014, 9, 414-422.	3.4	11
168	An LCâ€"MS/MS method for quantification of the active abiraterone metabolite Î"(4)-abiraterone (D4A) in human plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1068-1069, 119-124.	2.3	11
169	K27-Linked Diubiquitin Inhibits UCHL3 via an Unusual Kinetic Trap. Cell Chemical Biology, 2021, 28, 191-201.e8.	5.2	11
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