

# Gerbrand J Van Der Heden Van Noort

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/457283/publications.pdf>

Version: 2024-02-01

42  
papers

2,049  
citations

430874

18  
h-index

315739

38  
g-index

47  
all docs

47  
docs citations

47  
times ranked

3124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Papain-like protease regulates SARS-CoV-2 viral spread and innate immunity. <i>Nature</i> , 2020, 587, 657-662.	27.8	818
2	Mechanism and inhibition of the papain-like protease, PLpro, of SARS-CoV-2. <i>EMBO Journal</i> , 2020, 39, e106275.	7.8	330
3	Recognition of Lys48-Linked Di-ubiquitin and Deubiquitinating Activities of the SARS Coronavirus Papain-like Protease. <i>Molecular Cell</i> , 2016, 62, 572-585.	9.7	122
4	Non-hydrolyzable Diubiquitin Probes Reveal Linkage-Specific Reactivity of Deubiquitylating Enzymes Mediated by S2 Pockets. <i>Cell Chemical Biology</i> , 2016, 23, 472-482.	5.2	90
5	An RNA virus hijacks an incognito function of a DNA repair enzyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14634-14639.	7.1	77
6	Synthesis of Mono-ADP-Ribosylated Oligopeptides Using Ribosylated Amino Acid Building Blocks. <i>Journal of the American Chemical Society</i> , 2010, 132, 5236-5240.	13.7	57
7	Stereoselective Ribosylation of Amino Acids. <i>Organic Letters</i> , 2013, 15, 2306-2309.	4.6	44
8	Famotidine inhibits toll-like receptor 3-mediated inflammatory signaling in SARS-CoV-2 infection. <i>Journal of Biological Chemistry</i> , 2021, 297, 100925.	3.4	43
9	A Versatile One-Pot Procedure to Phosphate Monoesters and Pyrophosphates Using Di(p-methoxybenzyl)-N,N-diisopropylphosphoramidite. <i>Organic Letters</i> , 2008, 10, 4461-4464.	4.6	27
10	Modification of picornavirus genomic RNA using "click" chemistry shows that unlinking of the VPg peptide is dispensable for translation and replication of the incoming viral RNA. <i>Nucleic Acids Research</i> , 2014, 42, 2473-2482.	14.5	27
11	DNA-Triggered Dye Transfer on a Quantum Dot. <i>Bioconjugate Chemistry</i> , 2014, 25, 18-23.	3.6	27
12	Linkage-specific ubiquitin chain formation depends on a lysine hydrocarbon ruler. <i>Nature Chemical Biology</i> , 2021, 17, 272-279.	8.0	26
13	Ribosylation of Adenosine: An Orthogonally Protected Building Block for the Synthesis of ADP-Ribosyl Oligomers. <i>Organic Letters</i> , 2011, 13, 2920-2923.	4.6	24
14	Synthesis of 2-alkoxy-8-hydroxyadenylpeptides: Towards synthetic epitope-based vaccines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 3258-3261.	2.2	23
15	Bacterial OTU deubiquitinases regulate substrate ubiquitination upon <i>Legionella</i> infection. <i>ELife</i> , 2020, 9, .	6.0	23
16	2-Azidoalkoxy-7-hydro-8-oxoadenine derivatives as TLR7 agonists inducing dendritic cell maturation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 2249-2251.	2.2	22
17	Generation of the UFM1 Toolkit for Profiling UFM1-Specific Proteases and Ligases. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14164-14168.	13.8	22
18	Synthesis of Poly-Ubiquitin Chains Using a Bifunctional Ubiquitin Monomer. <i>Organic Letters</i> , 2017, 19, 6490-6493.	4.6	21

#	ARTICLE	IF	CITATIONS
19	A General Approach Towards Triazole-Linked Adenosine Diphosphate Ribosylated Peptides and Proteins. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1659-1662.	13.8	21
20	Physicochemical property consensus sequences for functional analysis, design of multivalent antigens and targeted antivirals. <i>BMC Bioinformatics</i> , 2012, 13, S9.	2.6	19
21	Nedd8 hydrolysis by UCH proteases in Plasmodium parasites. <i>PLoS Pathogens</i> , 2019, 15, e1008086.	4.7	19
22	Synthesis of Nucleotidylated Poliovirus VPg Proteins. <i>Journal of Organic Chemistry</i> , 2010, 75, 5733-5736.	3.2	17
23	Sequence specificity for uridylation of the viral peptide linked to the genome (VPg) of enteroviruses. <i>Virology</i> , 2015, 484, 80-85.	2.4	17
24	NMR solution structure of poliovirus uridylyated peptide linked to the genome (VPgpU). <i>Peptides</i> , 2010, 31, 1441-1448.	2.4	14
25	Enhanced antigen cross-presentation in human colorectal cancer-associated fibroblasts through upregulation of the lysosomal protease cathepsin S. , 2022, 10, e003591.		13
26	State of the art in (semi-)synthesis of Ubiquitin- and Ubiquitin-like tools. <i>Seminars in Cell and Developmental Biology</i> , 2022, 132, 74-85.	5.0	12
27	K27-Linked Diubiquitin Inhibits UCHL3 via an Unusual Kinetic Trap. <i>Cell Chemical Biology</i> , 2021, 28, 191-201.e8.	5.2	11
28	Profiling DUBs and Ubl-specific proteases with activity-based probes. <i>Methods in Enzymology</i> , 2019, 618, 357-387.	1.0	10
29	Fully automated sequential solid phase approach towards viral RNA-nucleopeptides. <i>Chemical Communications</i> , 2012, 48, 8093.	4.1	9
30	Chemical Tools to Study Protein ADP-Ribosylation. <i>ACS Omega</i> , 2020, 5, 1743-1751.	3.5	8
31	Development of ADPribosyl Ubiquitin Analogues to Study Enzymes Involved in Legionella Infection. <i>Chemistry - A European Journal</i> , 2021, 27, 2506-2512.	3.3	7
32	Synthesis of Stable NAD + Mimics as Inhibitors for the Legionella pneumophila Phosphoribosyl Ubiquitylating Enzyme SdeC. <i>ChemBioChem</i> , 2020, 21, 2903-2907.	2.6	6
33	Generation of the UFM1 Toolkit for Profiling UFM1-Specific Proteases and Ligases. <i>Angewandte Chemie</i> , 2018, 130, 14360-14364.	2.0	5
34	A General Approach Towards Triazole-Linked Adenosine Diphosphate Ribosylated Peptides and Proteins. <i>Angewandte Chemie</i> , 2018, 130, 1675-1678.	2.0	4
35	Development of Tyrphostin Analogues to Study Inhibition of the <i>Mycobacterium tuberculosis</i> Pup Proteasome System**. <i>ChemBioChem</i> , 2021, 22, 3082-3089.	2.6	4
36	A general synthetic method toward uridylylated picornavirus VPg proteins. <i>Journal of Peptide Science</i> , 2013, 19, 333-336.	1.4	3

#	ARTICLE	IF	CITATIONS
37	One-Step Chemical Synthesis of Native Met1-Linked Poly-Ubiquitin Chains. ChemBioChem, 2019, 20, 62-65. 2.6	2.6	2
38	Inhibiting UCH-L5: Rational Design of a Cyclic Ubiquitin-Based Peptide Inhibitor. Frontiers in Molecular Biosciences, 2022, 9, .	3.5	2
39	Design of a Ribosyltriazole-Annulated Cyclooctyne for Oligonucleotide Labeling by Strain-Promoted Alkyne-Azide Cycloaddition. European Journal of Organic Chemistry, 2014, 2014, 7566-7571.	2.4	1
40	How to Target Viral and Bacterial Effector Proteins Interfering with Ubiquitin Signaling. Current Topics in Microbiology and Immunology, 2018, 420, 111-130.	1.1	0
41	Synthetic ubiquitinated proteins meet the proteasome: Distinct roles of ubiquitin in a chain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7614-7616.	7.1	0
42	The Synthesis of ADP-Ribosylated Peptides. , 2013, , .		0