

Ambrosius P Snijders

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

10,439
citations

66336

42
h-index

37202

96
g-index

122
all docs

122
docs citations

122
times ranked

16191
citing authors

#	ARTICLE	IF	CITATIONS
1	Small CRISPR RNAs Guide Antiviral Defense in Prokaryotes. <i>Science</i> , 2008, 321, 960-964.	12.6	2,138
2	A complex secretory program orchestrated by the inflammasome controls paracrine senescence. <i>Nature Cell Biology</i> , 2013, 15, 978-990.	10.3	1,566
3	Structural basis for CRISPR RNA-guided DNA recognition by Cascade. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 529-536.	8.2	498
4	DNA-guided DNA interference by a prokaryotic Argonaute. <i>Nature</i> , 2014, 507, 258-261.	27.8	373
5	Notum deacylates Wnt proteins to suppress signalling activity. <i>Nature</i> , 2015, 519, 187-192.	27.8	348
6	CDK Substrate Phosphorylation and Ordering the Cell Cycle. <i>Cell</i> , 2016, 167, 1750-1761.e16.	28.9	270
7	MicroRNA Regulation of Cbx7 Mediates a Switch of Polycomb Orthologs during ESC Differentiation. <i>Cell Stem Cell</i> , 2012, 10, 33-46.	11.1	191
8	<scp>TBC</scp>1D14 regulates autophagy via the <scp>TRAPP</scp> complex and <scp>ATG</scp>9 traffic. <i>EMBO Journal</i> , 2016, 35, 281-301.	7.8	166
9	Multimic Analysis of the UV-Induced DNA Damage Response. <i>Cell Reports</i> , 2016, 15, 1597-1610.	6.4	162
10	Circadian rhythms in the absence of the clock gene <i>Bmal1</i>. <i>Science</i> , 2020, 367, 800-806.	12.6	156
11	ATG9A shapes the forming autophagosome through Arfaptin 2 and phosphatidylinositol 4-kinase III β . <i>Journal of Cell Biology</i> , 2019, 218, 1634-1652.	5.2	141
12	Integrin Beta 3 Regulates Cellular Senescence by Activating the TGF- β Pathway. <i>Cell Reports</i> , 2017, 18, 2480-2493.	6.4	135
13	Heteromeric interactions regulate butyrophilin (BTN) and BTN-like molecules governing β T cell biology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1039-1044.	7.1	133
14	Modulation of The Oviductal Environment by Gametes. <i>Journal of Proteome Research</i> , 2007, 6, 4656-4666.	3.7	132
15	Structural basis for nuclear import of splicing factors by human Transportin 3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2728-2733.	7.1	124
16	UIF, a New mRNA Export Adaptor that Works Together with REF/ALY, Requires FACT for Recruitment to mRNA. <i>Current Biology</i> , 2009, 19, 1918-1924.	3.9	120
17	Regulation of the RNAPII Pool Is Integral to the DNA Damage Response. <i>Cell</i> , 2020, 180, 1245-1261.e21.	28.9	116
18	Activation of ULK Kinase and Autophagy by GABARAP Trafficking from the Centrosome Is Regulated by WAC and GM130. <i>Molecular Cell</i> , 2015, 60, 899-913.	9.7	112

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19	A protease cascade regulates release of the human malaria parasite <i>Plasmodium falciparum</i> from host red blood cells. <i>Nature Microbiology</i> , 2018, 3, 447-455.	13.3	96
20	CD9 identifies pancreatic cancer stem cells and modulates glutamine metabolism to fuel tumour growth. <i>Nature Cell Biology</i> , 2019, 21, 1425-1435.	10.3	94
21	Engineering transplantable jejunal mucosal grafts using patient-derived organoids from children with intestinal failure. <i>Nature Medicine</i> , 2020, 26, 1593-1601.	30.7	94
22	PP2A Cdc55 Phosphatase Imposes Ordered Cell-Cycle Phosphorylation by Opposing Threonine Phosphorylation. <i>Molecular Cell</i> , 2017, 65, 393-402.e3.	9.7	91
23	Centriolar Satellites Control GABARAP Ubiquitination and GABARAP-Mediated Autophagy. <i>Current Biology</i> , 2017, 27, 2123-2136.e7.	3.9	90
24	Bi-directional cell-pericellular matrix interactions direct stem cell fate. <i>Nature Communications</i> , 2018, 9, 4049.	12.8	90
25	The deubiquitinase USP9X regulates FBW7 stability and suppresses colorectal cancer. <i>Journal of Clinical Investigation</i> , 2018, 128, 1326-1337.	8.2	77
26	Prereplicative complexes assembled in vitro support origin-dependent and independent DNA replication. <i>EMBO Journal</i> , 2014, 33, 605-620.	7.8	76
27	<i>Mycobacterium tuberculosis</i> requires glyoxylate shunt and reverse methylcitrate cycle for lactate and pyruvate metabolism. <i>Molecular Microbiology</i> , 2019, 112, 1284-1307.	2.5	74
28	Crystal structure of human CDC7 kinase in complex with its activator DBF4. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 1101-1107.	8.2	72
29	Po1 μ Instability Drives Replication Stress, Abnormal Development, and Tumorigenesis. <i>Molecular Cell</i> , 2018, 70, 707-721.e7.	9.7	69
30	CDK phosphorylation of TRF2 controls t-loop dynamics during the cell cycle. <i>Nature</i> , 2019, 575, 523-527.	27.8	68
31	LTR retroelement expansion of the human cancer transcriptome and immunopeptidome revealed by de novo transcript assembly. <i>Genome Research</i> , 2019, 29, 1578-1590.	5.5	66
32	Functional antibody and T cell immunity following SARS-CoV-2 infection, including by variants of concern, in patients with cancer: the CAPTURE study. <i>Nature Cancer</i> , 2021, 2, 1321-1337.	13.2	66
33	Cyclic AMP signalling controls key components of malaria parasite host cell invasion machinery. <i>PLoS Biology</i> , 2019, 17, e3000264.	5.6	64
34	Novel Approach for Peptide Quantitation and Sequencing Based on ^{15}N and ^{13}C Metabolic Labeling. <i>Journal of Proteome Research</i> , 2005, 4, 578-585.	3.7	63
35	The proteasome controls ESCRT-III-mediated cell division in an archaeon. <i>Science</i> , 2020, 369, .	12.6	63
36	Arginine methylation of REF/ALY promotes efficient handover of mRNA to TAP/NXF1. <i>Nucleic Acids Research</i> , 2010, 38, 3351-3361.	14.5	61

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37	Chemical genetic identification of <sc>CDKL</sc> 5 substrates reveals its role in neuronal microtubule dynamics. EMBO Journal, 2018, 37, .	7.8	57
38	LUBAC determines chemotherapy resistance in squamous cell lung cancer. Journal of Experimental Medicine, 2019, 216, 450-465.	8.5	57
39	aPKC Inhibition by Par3 CR3 Flanking Regions Controls Substrate Access and Underpins Apical-Junctional Polarization. Developmental Cell, 2016, 38, 384-398.	7.0	56
40	Spatiotemporal regulation of Aurora B recruitment ensures release of cohesion during C. elegans oocyte meiosis. Nature Communications, 2018, 9, 834.	12.8	55
41	Crumbs promotes expanded recognition and degradation by the SCF ^{Slimb}-TrCP</sup> ubiquitin ligase. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1980-9.	7.1	53
42	Reconstruction of central carbon metabolism in Sulfolobus solfataricus using a two-dimensional gel electrophoresis map, stable isotope labelling and DNA microarray analysis. Proteomics, 2006, 6, 1518-1529.	2.2	52
43	Ribosomopathy-associated mutations cause proteotoxic stress that is alleviated by TOR inhibition. Nature Cell Biology, 2021, 23, 127-135.	10.3	52
44	A systematic genomic screen implicates nucleocytoplasmic transport and membrane growth in nuclear size control. PLoS Genetics, 2017, 13, e1006767.	3.5	52
45	TLR and TNF-R1 activation of the MKK3/MKK6^{p38} axis in macrophages is mediated by TPL-2 kinase. Biochemical Journal, 2016, 473, 2845-2861.	3.7	51
46	UBR5-mediated ubiquitination of ATMIN is required for ionizing radiation-induced ATM signaling and function. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12091-12096.	7.1	50
47	Forcing the reversibility of a mechanochemical reaction. Nature Communications, 2018, 9, 3155.	12.8	50
48	Comparative network clustering of direct repeats (DRs) and cas genes confirms the possibility of the horizontal transfer of CRISPR locus among bacteria. Molecular Phylogenetics and Evolution, 2010, 56, 878-887.	2.7	49
49	Phosphoproteome dynamics during mitotic exit in budding yeast. EMBO Journal, 2018, 37, .	7.8	47
50	STXBP1 promotes Weibel-Palade body exocytosis through its interaction with the Rab27A effector Slp4-a. Blood, 2014, 123, 3185-3194.	1.4	46
51	The Fidelity of Synaptonemal Complex Assembly Is Regulated by a Signaling Mechanism that Controls Early Meiotic Progression. Developmental Cell, 2014, 31, 503-511.	7.0	42
52	A non-canonical function of Plk4 in centriolar satellite integrity and ciliogenesis through <sc>PCM</sc> 1-phosphorylation. EMBO Reports, 2016, 17, 326-337.	4.5	42
53	TRF2-independent chromosome end protection during pluripotency. Nature, 2021, 589, 103-109.	27.8	41
54	Identification and biochemical analysis of a novel <sc><i>APOB</i></sc> mutation that causes autosomal dominant hypercholesterolemia. Molecular Genetics & Genomic Medicine, 2013, 1, 155-161.	1.2	40

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55	Arginine methylation and citrullination of splicing factor proline- and glutamine-rich (SFPQ/PSF) regulates its association with mRNA. <i>Rna</i> , 2015, 21, 347-359.	3.5	40
56	Cdc14 and PP2A Phosphatases Cooperate to Shape Phosphoproteome Dynamics during Mitotic Exit. <i>Cell Reports</i> , 2019, 29, 2105-2119.e4.	6.4	40
57	Analysis of arginine and lysine methylation utilizing peptide separations at neutral pH and electron transfer dissociation mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 88-96.	2.8	39
58	Neighboring cells override 3D hydrogel matrix cues to drive human MSC quiescence. <i>Biomaterials</i> , 2018, 176, 13-23.	11.4	38
59	Phosphodiesterase beta is the master regulator of cAMP signalling during malaria parasite invasion. <i>PLoS Biology</i> , 2019, 17, e3000154.	5.6	38
60	The MAP kinase pathway coordinates crossover designation with disassembly of synaptonemal complex proteins during meiosis. <i>ELife</i> , 2016, 5, e12039.	6.0	36
61	A cross-species quantitative proteomic study of salt adaptation in a halotolerant environmental isolate using ¹⁵ N metabolic labelling. <i>Proteomics</i> , 2008, 8, 2266-2284.	2.2	35
62	Interplay between Homeobox proteins and Polycomb repressive complexes in p16INK4a regulation. <i>EMBO Journal</i> , 2013, 32, 982-995.	7.8	35
63	Phosphoproteomic identification of ULK substrates reveals VPS15-dependent ULK/VPS34 interplay in the regulation of autophagy. <i>EMBO Journal</i> , 2021, 40, e105985.	7.8	35
64	USP25 promotes pathological HIF-1-driven metabolic reprogramming and is a potential therapeutic target in pancreatic cancer. <i>Nature Communications</i> , 2022, 13, 2070.	12.8	35
65	A fast method for quantitative proteomics based on a combination between two-dimensional electrophoresis and ¹⁵ N-metabolic labelling. <i>Electrophoresis</i> , 2005, 26, 3191-3199.	2.4	34
66	Perturbation and Interpretation of Nitrogen Isotope Distribution Patterns in Proteomics. <i>Journal of Proteome Research</i> , 2005, 4, 2185-2191.	3.7	34
67	Shotgun proteomics of cyanobacteria—applications of experimental and data-mining techniques. <i>Briefings in Functional Genomics</i> , 2006, 5, 121-132.	2.7	34
68	Shotgun proteome analysis utilising mixed mode (reversed phase-anion exchange chromatography) in conjunction with reversed phase liquid chromatography mass spectrometry analysis. <i>Proteomics</i> , 2010, 10, 2950-2960.	2.2	34
69	Glutamate Racemase Is the Primary Target of ¹²⁵ I-Chloro- <i>l</i> -Alanine in Mycobacterium tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6091-6099.	3.2	34
70	Ca ²⁺ signals critical for egress and gametogenesis in malaria parasites depend on a multipass membrane protein that interacts with PKG. <i>Science Advances</i> , 2021, 7, .	10.3	34
71	Cysteine-Reactive Free ISG15 Generates IL-1 β -Producing CD8 ⁺ Dendritic Cells at the Site of Infection. <i>Journal of Immunology</i> , 2018, 201, 604-614.	0.8	32
72	The Cdk8/19-cyclin C transcription regulator functions in genome replication through metazoan Sld7. <i>PLoS Biology</i> , 2019, 17, e2006767.	5.6	32

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73	YAP1/TAZ drives ependymoma-like tumour formation in mice. <i>Nature Communications</i> , 2020, 11, 2380.	12.8	32
74	A ubiquitylation site in Cockayne syndrome B required for repair of oxidative DNA damage, but not for transcription-coupled nucleotide excision repair. <i>Nucleic Acids Research</i> , 2016, 44, 5246-5255.	14.5	30
75	Analysis of Signaling Endosome Composition and Dynamics Using SILAC in Embryonic Stem Cell-Derived Neurons. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 542-557.	3.8	30
76	Divergent roles for the RH5 complex components, CyRPA and RIPR in human-infective malaria parasites. <i>PLoS Pathogens</i> , 2019, 15, e1007809.	4.7	29
77	An Integrated Chemical Proteomics Approach for Quantitative Profiling of Intracellular ADP-Ribosylation. <i>Scientific Reports</i> , 2019, 9, 6655.	3.3	26
78	Selective inhibition of cancer cell self-renewal through a Quisinostat-histone H1.0 axis. <i>Nature Communications</i> , 2020, 11, 1792.	12.8	25
79	Ubiquitin activation is essential for schizont maturation in <i>Plasmodium falciparum</i> blood-stage development. <i>PLoS Pathogens</i> , 2020, 16, e1008640.	4.7	24
80	Cryo-EM structures of the XPF-ERCC1 endonuclease reveal how DNA-junction engagement disrupts an auto-inhibited conformation. <i>Nature Communications</i> , 2020, 11, 1120.	12.8	24
81	A systematic evaluation of chip-based nanoelectrospray parameters for rapid identification of proteins from a complex mixture. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1714-1725.	2.8	23
82	Characterization of Post-Translational Modifications of the Linker Histones H1 and H5 from Chicken Erythrocytes Using Mass Spectrometry. <i>Journal of Proteome Research</i> , 2008, 7, 4326-4335.	3.7	22
83	Molecular basis for substrate specificity of the Phactr1/PP1 phosphatase holoenzyme. <i>ELife</i> , 2020, 9, .	6.0	22
84	Proteasomal degradation of the tumour suppressor FBW7 requires branched ubiquitylation by TRIP12. <i>Nature Communications</i> , 2021, 12, 2043.	12.8	21
85	The life and death of sponge cells. <i>Biotechnology and Bioengineering</i> , 2004, 85, 239-247.	3.3	20
86	USP11 deubiquitinates RAE1 and plays a key role in bipolar spindle formation. <i>PLoS ONE</i> , 2018, 13, e0190513.	2.5	19
87	Identification of SUMO conjugation sites in the budding yeast proteome. <i>Microbial Cell</i> , 2017, 4, 331-341.	3.2	19
88	Phenotypic proteomic profiling identifies a landscape of targets for circadian clock-modulating compounds. <i>Life Science Alliance</i> , 2019, 2, e201900603.	2.8	18
89	Analysis of RNA polymerase II ubiquitylation and proteasomal degradation. <i>Methods</i> , 2019, 159-160, 146-156.	3.8	17
90	Malaria Parasite Schizont Egress Antigen-1 Plays an Essential Role in Nuclear Segregation during Schizogony. <i>MBio</i> , 2021, 12, .	4.1	17

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91	Notum deacylates octanoylated ghrelin. <i>Molecular Metabolism</i> , 2021, 49, 101201.	6.5	17
92	Budding yeast relies on G ₁ cyclin specificity to couple cell cycle progression with morphogenetic development. <i>Science Advances</i> , 2021, 7, .	10.3	16
93	The conserved Wdr8-hMsd1/SSX2IP complex localises to the centrosome and ensures proper spindle length and orientation. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 39-45.	2.1	15
94	Relative Quantification of Proteins Across the Species Boundary Through the Use of Shared Peptides. <i>Journal of Proteome Research</i> , 2007, 6, 97-104.	3.7	14
95	Identification and Characterization of <i>Sulfolobus solfataricus</i> P2 Proteome Using Multidimensional Liquid Phase Protein Separations. <i>Journal of Proteome Research</i> , 2008, 7, 2253-2261.	3.7	14
96	Unbiased Characterization of the Senescence-Associated Secretome Using SILAC-Based Quantitative Proteomics. <i>Methods in Molecular Biology</i> , 2013, 965, 175-184.	0.9	13
97	Casein kinase 1 family proteins promote Slimb-dependent Expanded degradation. <i>ELife</i> , 2019, 8, .	6.0	13
98	The malaria parasite sheddase SUB2 governs host red blood cell membrane sealing at invasion. <i>ELife</i> , 2020, 9, .	6.0	13
99	Autocatalytic activation of a malarial egress protease is druggable and requires a protein cofactor. <i>EMBO Journal</i> , 2021, 40, e107226.	7.8	11
100	Photosensitized UVA-Induced Cross-Linking between Human DNA Repair and Replication Proteins and DNA Revealed by Proteomic Analysis. <i>Journal of Proteome Research</i> , 2016, 15, 4612-4623.	3.7	10
101	Design of a Potent, Selective, and Brain-Penetrant Inhibitor of Wnt-Deactivating Enzyme Notum by Optimization of a Crystallographic Fragment Hit. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 7212-7230.	6.4	9
102	Assessing Budding Yeast Phosphoproteome Dynamics in a Time-Resolved Manner using TMT10plex Mass Tag Labeling. <i>STAR Protocols</i> , 2020, 1, 100022.	1.2	7
103	A malaria parasite subtilisin propeptide-like protein is a potent inhibitor of the egress protease SUB1. <i>Biochemical Journal</i> , 2020, 477, 525-540.	3.7	6
104	Murine Gbp1 and Gbp2 are ubiquitinated independent of <i>Toxoplasma gondii</i> infection. <i>BMC Research Notes</i> , 2018, 11, 166.	1.4	5
105	PTPN23 binds the dynein adaptor BICD1 and is required for endocytic sorting of neurotrophin receptors. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	5
106	Nuclear proteasomes carry a constitutive posttranslational modification which derails SDS-PAGE (but not CTAB-PAGE). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2222-2228.	2.3	4
107	Casein kinase 1 ³ acts as a molecular switch for cell polarization through phosphorylation of the polarity factor <i>ea1</i> in fission yeast. <i>Genes To Cells</i> , 2015, 20, 1046-1058.	1.2	4
108	Response to Comment on "Circadian rhythms in the absence of the clock gene <i>Bmal1</i> ". <i>Science</i> , 2021, 372, .	12.6	3

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109	Response to Comment on "Circadian rhythms in the absence of the clock gene <i>Bmal1</i> ", Science, 2021, 372, .	12.6	2