Jaap Willem Back

List of Publications by Year
in descending order

36	2,906	257450	315739
papers	citations	24 h-index	38 g-index

41	41	41	4415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	HIV-1 neutralizing antibodies induced by native-like envelope trimers. Science, 2015, 349, aac4223.	12.6	482
2	Prohibitins act as a membrane-bound chaperone for the stabilization of mitochondrial proteins. EMBO Journal, 2000, 19, 2444-2451.	7.8	467
3	Chemical Cross-linking and Mass Spectrometry for Protein Structural Modeling. Journal of Molecular Biology, 2003, 331, 303-313.	4.2	223
4	Mass Spectrometric Identification of Isoforms of PR Proteins in Xylem Sap of Fungus-Infected Tomato. Plant Physiology, 2002, 130, 904-917.	4.8	201
5	In Vivo Functional Analysis of the Human Mitochondrial DNA Polymerase POLG Expressed in Cultured Human Cells. Journal of Biological Chemistry, 2000, 275, 24818-24828.	3.4	166
6	A structure for the yeast prohibitin complex: Structure prediction and evidence from chemical crosslinking and mass spectrometry. Protein Science, 2009, 11, 2471-2478.	7.6	151
7	Identification of Cross-Linked Peptides for Protein Interaction Studies Using Mass Spectrometry and 18O Labeling. Analytical Chemistry, 2002, 74, 4417-4422.	6.5	131
8	Comparative proteomics of human endothelial cell caveolae and rafts using two-dimensional gel electrophoresis and mass spectrometry. Electrophoresis, 2004, 25, 156-172.	2.4	110
9	The Soluble NAD⁺-Reducing [NiFe]-Hydrogenase fromRalstonia eutrophaH16 Consists of Six Subunits and Can Be Specifically Activated by NADPH. Journal of Bacteriology, 2005, 187, 3122-3132.	2.2	101
10	Selective Enrichment of Azide-Containing Peptides from Complex Mixtures. Journal of Proteome Research, 2009, 8, 3702-3711.	3.7	96
11	Distinct Roles of Phenol-Soluble Modulins in Spreading of Staphylococcus aureus on Wet Surfaces. Applied and Environmental Microbiology, 2013, 79, 886-895.	3.1	90
12	A new crosslinker for mass spectrometric analysis of the quaternary structure of protein complexes. Journal of the American Society for Mass Spectrometry, 2001, 12, 222-227.	2.8	75
13	Requirement of the agr Locus for Colony Spreading of Staphylococcus aureus. Journal of Bacteriology, 2011, 193, 1267-1272.	2.2	61
14	Computer-assisted mass spectrometric analysis of naturally occurring and artificially introduced cross-links in proteins and protein complexes. FEBS Journal, 2006, 273, 281-291.	4.7	54
15	Molecular and Biochemical Characterization of Rat Îµ-N-Trimethyllysine Hydroxylase, the First Enzyme of Carnitine Biosynthesis. Journal of Biological Chemistry, 2001, 276, 33512-33517.	3.4	46
16	An Aptly Positioned Azido Group in the Spacer of a Protein Cross-Linker for Facile Mapping of Lysines in Close Proximity. ChemBioChem, 2007, 8, 1281-1292.	2.6	42
17	The chemokine receptor CCR7 is a promising target for rheumatoid arthritis therapy. Cellular and Molecular Immunology, 2019, 16, 791-799.	10.5	42
18	Protein disulfide isomerase ofToxoplasma gondiis targeted by mucosal IgA antibodies in humans. FEBS Letters, 2002, 522, 104-108.	2.8	33

#	Article	IF	Citations
19	Dendritic phosphoramidite ligands in Rh-catalysed asymmetric hydrogenations. Tetrahedron Letters, 2004, 45, 5999-6002.	1.4	33
20	Disulfide Bond Structure and Domain Organization of Yeast Î²(1,3)-Glucanosyltransferases Involved in Cell Wall Biogenesis. Journal of Biological Chemistry, 2008, 283, 18553-18565.	3.4	33
21	Mild and Chemoselective Peptide-Bond Cleavage of Peptides and Proteins at Azido Homoalanine. Angewandte Chemie - International Edition, 2005, 44, 7946-7950.	13.8	30
22	Transition-Metal Catalysis as a Tool for the Covalent Labeling of Proteins. Angewandte Chemie - International Edition, 2006, 45, 1841-1843.	13.8	28
23	Identification and Quantitation of Newly Synthesized Proteins in Escherichia coli by Enrichment of Azidohomoalanine-labeled Peptides with Diagonal Chromatography. Molecular and Cellular Proteomics, 2009, 8, 1599-1611.	3.8	28
24	Conserved regions of protein disulfide isomerase are targeted by natural IgA antibodies in humans. International Immunology, 2002, 14, 1291-1301.	4.0	27
25	Proteome-wide Alterations in Escherichia coli Translation Rates upon Anaerobiosis. Molecular and Cellular Proteomics, 2010, 9, 2508-2516.	3.8	25
26	Re-Engineering the Genetic Code: Combining Molecular Biology and Organic Chemistry. Angewandte Chemie - International Edition, 2003, 42, 5926-5928.	13.8	21
27	Active Immunization with an Octa-Valent Staphylococcus aureus Antigen Mixture in Models of S. aureus Bacteremia and Skin Infection in Mice. PLoS ONE, 2015, 10, e0116847.	2.5	17
28	Tryptic Shaving of Staphylococcus aureus Unveils Immunodominant Epitopes on the Bacterial Cell Surface. Journal of Proteome Research, 2020, 19, 2997-3010.	3.7	13
29	Differential epitope recognition in the immunodominant staphylococcal antigen A of Staphylococcus aureus by mouse versus human IgG antibodies. Scientific Reports, 2017, 7, 8141.	3.3	12
30	Helical peptide arrays for lead identification and interaction site mapping. Analytical Biochemistry, 2011, 417, 149-155.	2.4	11
31	Calreticulin as a novel B-cell receptor antigen in chronic lymphocytic leukemia. Haematologica, 2017, 102, e394-e396.	3.5	10
32	Structure-Based Design for High-Hanging Vaccine Fruits. Advances in Immunology, 2012, 114, 33-50.	2.2	7
33	The Stem of Vesicular Stomatitis Virus G Can Be Replaced With the HIV-1 Env Membrane-Proximal External Region Without Loss of G Function or Membrane-Proximal External Region Antigenic Properties. AIDS Research and Human Retroviruses, 2014, 30, 1130-1144.	1.1	5
34	Selecting highly structure-specific antibodies using structured synthetic mimics of the cystine knot protein sclerostin. Protein Engineering, Design and Selection, 2012, 25, 251-259.	2.1	4
35	Boosting of HIV-1 Neutralizing Antibody Responses by a Distally Related Retroviral Envelope Protein. Journal of Immunology, 2014, 192, 5802-5812.	0.8	4
36	Re-Engineering the Genetic Code: Combining Molecular Biology and Organic Chemistry.. ChemInform, 2004, 35, no.	0.0	0