Reinout Raijmakers

List of Publications by Year
in descending order

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54 papers	5,234 citations	126907 33 h-index	149698 56 g-index
56 all docs	56 docs citations	56 times ranked	7112 citing authors

#	Article	IF	Citations
1	Multiplex peptide stable isotope dimethyl labeling for quantitative proteomics. Nature Protocols, 2009, 4, 484-494.	12.0	1,247
2	AU Binding Proteins Recruit the Exosome to Degrade ARE-Containing mRNAs. Cell, 2001, 107, 451-464.	28.9	803
3	The mammalian exosome mediates the efficient degradation of mRNAs that contain AU-rich elements. EMBO Journal, 2002, 21, 165-174.	7.8	326
4	Increased Citrullination of Histone H3 in Multiple Sclerosis Brain and Animal Models of Demyelination: A Role for Tumor Necrosis Factor-Induced Peptidylarginine Deiminase 4 Translocation. Journal of Neuroscience, 2006, 26, 11387-11396.	3.6	239
5	Methylation of Arginine Residues Interferes with Citrullination by Peptidylarginine Deiminases in vitro. Journal of Molecular Biology, 2007, 367, 1118-1129.	4.2	138
6	Dis3-like 1: a novel exoribonuclease associated with the human exosome. EMBO Journal, 2010, 29, 2358-2367.	7.8	134
7	Novel aspects of autoantibodies to the PM/Scl complex: Clinical, genetic and diagnostic insights. Autoimmunity Reviews, 2007, 6, 432-437.	5.8	119
8	Inâ€...Vivo Profiling and Visualization of Cellular Proteinâ€“Lipid Interactions Using Bifunctional Fatty Acids. Angewandte Chemie - International Edition, 2013, 52, 4033-4038.	13.8	114
9	Profiling of N-Acetylated Protein Termini Provides In-depth Insights into the N-terminal Nature of the Proteome. Molecular and Cellular Proteomics, 2010, 9, 928-939.	3.8	113
10	Myelin localization of peptidylarginine deiminases 2 and 4: comparison of PAD2 and PAD4 activities. Laboratory Investigation, 2008, 88, 354-364.	3.7	111
11	Three Novel Components of the Human Exosome. Journal of Biological Chemistry, 2001, 276, 6177-6184.	3.4	104
12	MPP6 is an exosome-associated RNA-binding protein involved in 5.8S rRNA maturation. Nucleic Acids Research, 2005, 33, 6795-6804.	14.5	93
13	Proteinâ€“Protein Interactions between Human Exosome Components Support the Assembly of RNase PH-type Subunits into a Six-membered PNPase-like Ring. Journal of Molecular Biology, 2002, 323, 653-663.	4.2	86
14	Inhibition of peptidyl-arginine deiminases reverses protein-hypercitrullination and disease in mouse models of multiple sclerosis. DMM Disease Models and Mechanisms, 2013, 6, 467-78.	2.4	86
15	Autoantibodies directed to novel components of the PM/Scl complex, the human exosome. Arthritis Research, 2002, 4, 134.	2.0	81
16	Experimental autoimmune encephalomyelitis induction in peptidylarginine deiminase 2 knockout mice. Journal of Comparative Neurology, 2006, 498, 217-226.	1.6	74
17	Exploring the Human Leukocyte Phosphoproteome Using a Microfluidic Reversed-Phaseâ˜TiO₂â˜Reversed-Phase High-Performance Liquid Chromatography Phosphochip Coupled to a Quadrupole Time-of-Flight Mass Spectrometer. Analytical Chemistry, 2010, 82, 824-832.	6.5	74
18	Metal-free and pH-controlled introduction of azides in proteins. Chemical Science, 2011, 2, 701.	7.4	73

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19	The exosome, a molecular machine for controlled RNA degradation in both nucleus and cytoplasm. European Journal of Cell Biology, 2004, 83, 175-183.	3.6	71
20	PM-Scl-75 is the main autoantigen in patients with the polymyositis/scleroderma overlap syndrome. Arthritis and Rheumatism, 2004, 50, 565-569.	6.7	66
21	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
22	Elevated levels of fibrinogen-derived endogenous citrullinated peptides in synovial fluid of rheumatoid arthritis patients. Arthritis Research and Therapy, 2012, 14, R114.	3.5	62
23	Applications of stable isotope dimethyl labeling in quantitative proteomics. Analytical and Bioanalytical Chemistry, 2012, 404, 991-1009.	3.7	61
24	Cleavage specificities of the brother and sister proteases Lys-C and Lys-N. Chemical Communications, 2010, 46, 8827.	4.1	55
25	Mapping of citrullinated fibrinogen B-cell epitopes in rheumatoid arthritis by imaging surface plasmon resonance. Arthritis Research and Therapy, 2010, 12, R219.	3.5	54
26	Comparative Multiplexed Mass Spectrometric Analyses of Endogenously Expressed Yeast Nuclear and Cytoplasmic Exosomes. Journal of Molecular Biology, 2009, 385, 1300-1313.	4.2	51
27	Clinical evaluation of autoantibodies to a novel PM/Scl peptide antigen. Arthritis Research, 2005, 7, R704.	2.0	49
28	The human peptidylarginine deiminases type 2 and type 4 have distinct substrate specificities. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 829-836.	2.3	48
29	Citrullination of central nervous system proteins during the development of experimental autoimmune encephalomyelitis. Journal of Comparative Neurology, 2005, 486, 243-253.	1.6	46
30	The Heterogeneous Nuclear Ribonucleoproteins I and K Interact with a Subset of the Ro Ribonucleoprotein-associated Y RNAs in Vitro and in Vivo. Journal of Biological Chemistry, 2001, 276, 20711-20718.	3.4	44
31	A search for ceramide binding proteins using bifunctional lipid analogs yields CERT-related protein StarD7. Journal of Lipid Research, 2018, 59, 515-530.	4.2	42
32	Peptidylarginine deiminase expression and activity in PAD2 knock-out and PAD4-low mice. Biochimie, 2013, 95, 299-308.	2.6	40
33	Increased peptidylarginine deiminase type II in hypoxic astrocytes. Biochemical and Biophysical Research Communications, 2004, 325, 1324-1329.	2.1	39
34	Protein-protein interactions of hcsl4p with other human exosome subunits 1 1Edited by J. Karn. Journal of Molecular Biology, 2002, 315, 809-818.	4.2	33
35	Site-specific methionine oxidation in calmodulin affects structural integrity and interaction with Ca2+/calmodulin-dependent protein kinase II. Journal of Structural Biology, 2011, 174, 187-195.	2.8	33
36	Cell and Molecular Biology of the Exosome: How to Make or Break an RNA. International Review of Cytology, 2006, 251, 159-208.	6.2	32

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37	Synthetic Peptides: The Future of Patient Management in Systemic Rheumatic Diseases?. Current Medicinal Chemistry, 2007, 14, 2831-2838.	2.4	31
38	RockerBox: Analysis and Filtering of Massive Proteomics Search Results. Journal of Proteome Research, 2011, 10, 1420-1424.	3.7	28
39	Evaluation of the Deuterium Isotope Effect in Zwitterionic Hydrophilic Interaction Liquid Chromatography Separations for Implementation in a Quantitative Proteomic Approach. Analytical Chemistry, 2011, 83, 8352-8356.	6.5	28
40	The Association of the Human PM/Scl-75 Autoantigen with the Exosome Is Dependent on a Newly Identified N Terminus. Journal of Biological Chemistry, 2003, 278, 30698-30704.	3.4	25
41	ABAP: Antibody-based assay for peptidylarginine deiminase activity. Analytical Biochemistry, 2007, 369, 232-240.	2.4	25
42	Quantifying cross-tissue diversity in proteasome complexes by mass spectrometry. Molecular BioSystems, 2010, 6, 1450.	2.9	22
43	Autoantigenicity of nucleolar complexes. Autoimmunity Reviews, 2003, 2, 313-321.	5.8	19
44	Kinetics of human peptidylarginine deiminase 2 (hPAD2)Ââ€" Reduction of Ca²⁺ dependence by phospholipids and assessment of proposed inhibition by paclitaxel side chains. Biochemistry and Cell Biology, 2008, 86, 437-447.	2.0	17
45	Target Profiling of a Small Library of Phosphodiesteraseâ€…5 (PDE5) Inhibitors using Chemical Proteomics. ChemMedChem, 2010, 5, 1927-1936.	3.2	17
46	Fully automated isotopic dimethyl labeling and phosphopeptide enrichment using a microfluidic HPLC phosphochip. Analytical and Bioanalytical Chemistry, 2012, 404, 2507-2512.	3.7	17
47	Deep Proteome Profiling of Circulating Granulocytes Reveals Bactericidal/Permeability-Increasing Protein as a Biomarker for Severe Atherosclerotic Coronary Stenosis. Journal of Proteome Research, 2012, 11, 5235-5244.	3.7	16
48	Challenges and Controversies in Autoantibodies Associated with Systemic Rheumatic Diseases. Current Rheumatology Reviews, 2007, 3, 67-78.	0.8	15
49	C1D is a major autoantibody target in patients with the polymyositisâ€"scleroderma overlap syndrome. Arthritis and Rheumatism, 2007, 56, 2449-2454.	6.7	14
50	Phosphatidylethanolamineâ€Binding Proteins, Including RKIP, Exhibit Affinity for Phosphodiesteraseâ€5 Inhibitors. ChemBioChem, 2009, 10, 2654-2662.	2.6	13
51	Assessing biological variation and protein processing in primary human leukocytes by automated multiplex stable isotope labeling coupled to 2 dimensional peptide separation. Molecular BioSystems, 2009, 5, 992.	2.9	10
52	Caspase-mediated cleavage of the exosome subunit PM/Scl-75 during apoptosis. Arthritis Research and Therapy, 2007, 9, R12.	3.5	8
53	Oxidative stress-induced modifications of histidyl-tRNA synthetase affect its tRNA aminoacylation activity but not its immunoreactivity. Biochemistry and Cell Biology, 2011, 89, 545-553.	2.0	5
54	PRIME-XS, a European Infrastructure for Proteomics. Molecular and Cellular Proteomics, 2014, 13, 1901-1904.	3.8	2