

# Arjen Scholten

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,602  
citations

279798

23  
h-index

302126

39  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2814  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing promiscuous drug-target interactions by chemical proteomics. <i>Drug Discovery Today</i> , 2009, 14, 1021-1029.	6.4	134
2	Analysis of the cGMP/cAMP Interactome Using a Chemical Proteomics Approach in Mammalian Heart Tissue Validates Sphingosine Kinase Type 1-interacting Protein as a Genuine and Highly Abundant AKAP. <i>Journal of Proteome Research</i> , 2006, 5, 1435-1447.	3.7	107
3	High Precision Platelet Releasate Definition by Quantitative Reversed Protein Profiling Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1635-1638.	2.4	90
4	Human CD62Ldim neutrophils identified as a separate subset by proteome profiling and in vivo pulse-chase labeling. <i>Blood</i> , 2017, 129, 3476-3485.	1.4	86
5	SPEG (Striated Muscle Preferentially Expressed Protein Kinase) Is Essential for Cardiac Function by Regulating Junctional Membrane Complex Activity. <i>Circulation Research</i> , 2017, 120, 110-119.	4.5	86
6	Protease bias in absolute protein quantitation. <i>Nature Methods</i> , 2012, 9, 524-525.	19.0	80
7	Reorganized PKA-AKAP associations in the failing human heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 511-518.	1.9	75
8	cGMP-binding Prepares PKG for Substrate Binding by Disclosing the C-terminal Domain. <i>Journal of Molecular Biology</i> , 2008, 375, 1380-1393.	4.2	73
9	Sphingosine Kinase Interacting Protein is an Kinase Anchoring Protein Specific for Type I cAMP-Dependent Protein Kinase. <i>ChemBioChem</i> , 2010, 11, 963-971.	2.6	70
10	Proteome-wide protein concentrations in the human heart. <i>Molecular BioSystems</i> , 2010, 6, 1917.	2.9	68
11	A Small Novel A-Kinase Anchoring Protein (AKAP) That Localizes Specifically Protein Kinase A-Regulatory Subunit I (PKA-RI) to the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2012, 287, 43789-43797.	3.4	67
12	Applications of stable isotope dimethyl labeling in quantitative proteomics. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 991-1009.	3.7	61
13	Quantitative proteomics analysis reveals similar release profiles following specific PAR-1 or PAR-4 stimulation of platelets. <i>Cardiovascular Research</i> , 2014, 103, 140-146.	3.8	61
14	Interrogating cAMP-dependent Kinase Signaling in Jurkat T Cells via a Protein Kinase A Targeted Immune-precipitation Phosphoproteomics Approach. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3350-3359.	3.8	48
15	Diversity of cAMP-Dependent Protein Kinase Isoforms and Their Anchoring Proteins in Mouse Ventricular Tissue. <i>Journal of Proteome Research</i> , 2007, 6, 1705-1717.	3.7	46
16	Identification of Enriched PTM Crosstalk Motifs from Large-Scale Experimental Data Sets. <i>Journal of Proteome Research</i> , 2014, 13, 249-259.	3.7	40
17	Selectivity in Enrichment of cAMP-dependent Protein Kinase Regulatory Subunits Type I and Type II and Their Interactors Using Modified cAMP Affinity Resins. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 1016-1028.	3.8	39
18	Alterations in the Interactome of Serine/Threonine Protein Phosphatase Type-1 in Atrial Fibrillation Patients. <i>Journal of the American College of Cardiology</i> , 2015, 65, 163-173.	2.8	38

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19	Surface-Plasmon-Resonance-Based Chemical Proteomics: Efficient Specific Extraction and Semiquantitative Identification of Cyclic Nucleotide-Binding Proteins from Cellular Lysates by Using a Combination of Surface Plasmon Resonance, Sequential Elution and Liquid Chromatographyâ€”Tandem Mass Spectrometry. <i>ChemBioChem</i> , 2007, 8, 298-305.	2.6	33
20	Collagen stimulation of platelets induces a rapid spatial response of cAMP and cGMP signaling scaffolds. <i>Molecular BioSystems</i> , 2011, 7, 2311.	2.9	29
21	A chemical proteomics based enrichment technique targeting the interactome of the PDE5 inhibitor PF-4540124. <i>Molecular BioSystems</i> , 2009, 5, 472.	2.9	27
22	In-depth Quantitative Cardiac Proteomics Combining Electron Transfer Dissociation and the Metalloendopeptidase Lys-N with the SILAC Mouse. <i>Molecular and Cellular Proteomics</i> , 2011, 10, O111.008474.	3.8	26
23	A multiâ€”angular mass spectrometric view at cyclic nucleotide dependent protein kinases: <i>in vivo</i> characterization and structure/function relationships. <i>Mass Spectrometry Reviews</i> , 2008, 27, 331-353.	5.4	25
24	A Proteomics Approach to Identify New Putative Cardiac Intercalated Disk Proteins. <i>PLoS ONE</i> , 2016, 11, e0152231.	2.5	22
25	A Systematic Evaluation of Protein Kinase Aâ€”A-Kinase Anchoring Protein Interaction Motifs. <i>Biochemistry</i> , 2015, 54, 11-21.	2.5	21
26	Phosphoproteomics Study Based on In Vivo Inhibition Reveals Sites of Calmodulinâ€”Dependent Protein Kinase II Regulation in the Heart. <i>Journal of the American Heart Association</i> , 2013, 2, e000318.	3.7	19
27	Structure of smAKAP and its regulation by PKAâ€”mediated phosphorylation. <i>FEBS Journal</i> , 2016, 283, 2132-2148.	4.7	19
28	Anchored protein kinase A signalling in cardiac cellular electrophysiology. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 2135-2146.	3.6	18
29	Deep Proteome Profiling of Circulating Granulocytes Reveals Bactericidal/Permeability-Increasing Protein as a Biomarker for Severe Atherosclerotic Coronary Stenosis. <i>Journal of Proteome Research</i> , 2012, 11, 5235-5244.	3.7	16
30	Spatial Organization in Protein Kinase A Signaling Emerged at the Base of Animal Evolution. <i>Journal of Proteome Research</i> , 2015, 14, 2976-2987.	3.7	16
31	Huntingtin-associated Protein 1 (HAP1) Is a cGMP-dependent Kinase Anchoring Protein (GKAP) Specific for the cGMP-dependent Protein Kinase Î² Isoform. <i>Journal of Biological Chemistry</i> , 2015, 290, 7887-7896.	3.4	13
32	Alterations in the Cerebellar (Phospho)Proteome of a Cyclic Guanosine Monophosphate (cGMP)-dependent Protein Kinase Knockout Mouse. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2004-2016.	3.8	12
33	Phosphorylation-Dependent Interactome of Ryanodine Receptor Type 2 in the Heart. <i>Proteomes</i> , 2021, 9, 27.	3.5	10
34	The hinge region operates as a stability switch in cGMP-dependent protein kinaseÎ². <i>FEBS Journal</i> , 2007, 274, 2274-2286.	4.7	7
35	Charting the interactome of PDE3A in human cells using an IBMX based chemical proteomics approach. <i>Molecular BioSystems</i> , 2015, 11, 2786-2797.	2.9	6
36	Systems approach reveals distinct and shared signaling networks of the four PGE <sub>2</sub> receptors in T cells. <i>Science Signaling</i> , 2021, 14, eabc8579.	3.6	5

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37	Probing the Specificity of Protein-Protein Interactions by Quantitative Chemical Proteomics. <i>Methods in Molecular Biology</i> , 2012, 803, 167-181.	0.9	4
38	Separation of PKA and PKG Signaling Nodes by Chemical Proteomics. <i>Methods in Molecular Biology</i> , 2015, 1294, 191-201.	0.9	3
39	Determining Protein Concentrations of the Human Ventricular Proteome. <i>Methods in Molecular Biology</i> , 2013, 1005, 11-24.	0.9	2