

Alexandre Podtelejnikov

List of Publications by Citations

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41
papers

9,891
citations

33
h-index

41
g-index

41
ext. papers

10,463
ext. citations

11
avg, IF

5
L-index

#	Paper	IF	Citations
41	Systematic identification of protein complexes in <i>Saccharomyces cerevisiae</i> by mass spectrometry. <i>Nature</i> , 2002 , 415, 180-3	50.4	3069
40	Linking genome and proteome by mass spectrometry: large-scale identification of yeast proteins from two dimensional gels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 14440-5	11.5	1292
39	Mechanism of regulation of WAVE1-induced actin nucleation by Rac1 and Nck. <i>Nature</i> , 2002 , 418, 790-3	50.4	668
38	Endophilin I mediates synaptic vesicle formation by transfer of arachidonate to lysophosphatidic acid. <i>Nature</i> , 1999 , 401, 133-41	50.4	472
37	Analysis of receptor signaling pathways by mass spectrometry: identification of vav-2 as a substrate of the epidermal and platelet-derived growth factor receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 179-84	11.5	380
36	The yeast exosome and human PM-Scl are related complexes of 3W-5W exonucleases. <i>Genes and Development</i> , 1999 , 13, 2148-58	12.6	370
35	The Mex67p-mediated nuclear mRNA export pathway is conserved from yeast to human. <i>EMBO Journal</i> , 1999 , 18, 2593-609	13	356
34	Delayed extraction improves specificity in database searches by matrix-assisted laser desorption/ionization peptide maps. <i>Rapid Communications in Mass Spectrometry</i> , 1996 , 10, 1371-8	2.2	279
33	Regulation of G(2)/M events by Cdc25A through phosphorylation-dependent modulation of its stability. <i>EMBO Journal</i> , 2002 , 21, 5911-20	13	235
32	Identification of the components of simple protein mixtures by high-accuracy peptide mass mapping and database searching. <i>Analytical Chemistry</i> , 1997 , 69, 4741-50	7.8	230
31	The complex containing actin-related proteins Arp2 and Arp3 is required for the motility and integrity of yeast actin patches. <i>Current Biology</i> , 1997 , 7, 519-29	6.3	216
30	A proteomic approach for identification of secreted proteins during the differentiation of 3T3-L1 preadipocytes to adipocytes. <i>Molecular and Cellular Proteomics</i> , 2002 , 1, 213-22	7.6	202
29	A strategy for identifying gel-separated proteins in sequence databases by MS alone. <i>Biochemical Society Transactions</i> , 1996 , 24, 893-6	5.1	192
28	Screening for N-glycosylated proteins by liquid chromatography mass spectrometry. <i>Proteomics</i> , 2004 , 4, 454-65	4.8	175
27	Mtr10p functions as a nuclear import receptor for the mRNA-binding protein Npl3p. <i>EMBO Journal</i> , 1998 , 17, 2196-207	13	162
26	The RING-H2 finger protein APC11 and the E2 enzyme UBC4 are sufficient to ubiquitinate substrates of the anaphase-promoting complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 8973-8	11.5	159
25	Integrated analysis of the cerebrospinal fluid peptidome and proteome. <i>Journal of Proteome Research</i> , 2008 , 7, 386-99	5.6	148

24	Control of the terminal step of intracellular membrane fusion by protein phosphatase 1. <i>Science</i> , 1999 , 285, 1084-7	33.3	147
23	Proteomic mapping of brain plasma membrane proteins. <i>Molecular and Cellular Proteomics</i> , 2005 , 4, 402-86		141
22	Rrp47p is an exosome-associated protein required for the 3' processing of stable RNAs. <i>Molecular and Cellular Biology</i> , 2003 , 23, 6982-92	4.8	134
21	Nup116p and nup100p are interchangeable through a conserved motif which constitutes a docking site for the mRNA transport factor gle2p. <i>EMBO Journal</i> , 1998 , 17, 1107-19	13	113
20	Phosphopeptide detection and sequencing by matrix-assisted laser desorption/ionization quadrupole time-of-flight tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2002 , 37, 179-90	2.2	92
19	Yeast poly(A)-binding protein Pab1 shuttles between the nucleus and the cytoplasm and functions in mRNA export. <i>Rna</i> , 2005 , 11, 517-31	5.8	91
18	Analysis of the mouse liver proteome using advanced mass spectrometry. <i>Journal of Proteome Research</i> , 2007 , 6, 2963-72	5.6	75
17	Mlp2p, a component of nuclear pore attached intranuclear filaments, associates with nic96p. <i>Journal of Biological Chemistry</i> , 2000 , 275, 343-50	5.4	72
16	Ssdp proteins interact with the LIM-domain-binding protein Ldb1 to regulate development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 14320-5	11.5	57
15	Correlation of acidic and basic carrier ampholyte and immobilized pH gradient two-dimensional gel electrophoresis patterns based on mass spectrometric protein identification. <i>Electrophoresis</i> , 1998 , 19, 1024-35	3.6	50
14	Experiences and perspectives of MALDI MS and MS/MS in proteomic research. <i>International Journal of Mass Spectrometry</i> , 2003 , 226, 223-237	1.9	50
13	Nup116p associates with the Nup82p-Nsp1p-Nup159p nucleoporin complex. <i>Journal of Biological Chemistry</i> , 2000 , 275, 23540-8	5.4	49
12	Association of yeast RNA polymerase I with a nucleolar substructure active in rRNA synthesis and processing. <i>Journal of Cell Biology</i> , 2000 , 149, 575-90	7.3	44
11	Cloning of a novel phosphotyrosine binding domain containing molecule, Odin, involved in signaling by receptor tyrosine kinases. <i>Oncogene</i> , 2002 , 21, 8029-36	9.2	43
10	Experimental Peptide Identification Repository (EPIR): an integrated peptide-centric platform for validation and mining of tandem mass spectrometry data. <i>Molecular and Cellular Proteomics</i> , 2004 , 3, 1023-38	7.6	37
9	Comparison of different search engines using validated MS/MS test datasets. <i>Analytica Chimica Acta</i> , 2005 , 534, 11-20	6.6	35
8	Identification of MINUS, a small polypeptide that functions as a microtubule nucleation suppressor. <i>EMBO Journal</i> , 1999 , 18, 565-77	13	18
7	Purification of protein A-tagged yeast ran reveals association with a novel karyopherin beta family member, Pdr6p. <i>Journal of Biological Chemistry</i> , 2000 , 275, 467-71	5.4	13

6	The application of robotics and mass spectrometry to the characterisation of the <i>Drosophila melanogaster</i> indirect flight muscle proteome. <i>International Journal of Peptide Research and Therapeutics</i> , 1997 , 4, 57-65		7
5	Improved Reversed Phase Chromatography of Hydrophilic Peptides from Spatial and Temporal Changes in Column Temperature. <i>Journal of Proteome Research</i> , 2017 , 16, 2307-2317	5.6	6
4	Delayed Extraction Improves Specificity in Database Searches by Matrix-assisted Laser Desorption/Ionization Peptide Maps 1996 , 10, 1371		6
3	Identification of yeast proteins by mass spectrometry. <i>Methods in Enzymology</i> , 2002 , 351, 296-321	1.7	3
2	The application of robotics and mass spectrometry to the characterisation of the <i>Drosophila melanogaster</i> indirect flight muscle proteome. <i>International Journal of Peptide Research and Therapeutics</i> , 1997 , 4, 57-65		2
1	Multi-Protein Complexes Studied by Mass Spectrometry. <i>Scientific World Journal, The</i> , 2002 , 2, 91-92	2.2	1