Alexandre Podtelejnikov

List of Publications by Year
in descending order

41 papers	10,954 citations	126858 33 h-index	276775 41 g-index
41 all docs	41 docs citations	41 times ranked	11358 citing authors

#	Article	IF	Citations
1	Systematic identification of protein complexes in Saccharomyces cerevisiae by mass spectrometry. Nature, 2002, 415, 180-183.	13.7	3,445
2	Linking genome and proteome by mass spectrometry: Large-scale identification of yeast proteins from two dimensional gels. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 14440-14445.	3.3	1,415
3	Mechanism of regulation of WAVE1-induced actin nucleation by Rac1 and Nck. Nature, 2002, 418, 790-793.	13.7	758
4	Endophilin I mediates synaptic vesicle formation by transfer of arachidonate to lysophosphatidic acid. Nature, 1999, 401, 133-141.	13.7	507
5	Analysis of receptor signaling pathways by mass spectrometry: Identification of Vav-2 as a substrate of the epidermal and platelet-derived growth factor receptors. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 179-184.	3.3	410
6	The yeast exosome and human PM-Scl are related complexes of 3' right-arrow 5' exonucleases. Genes and Development, 1999, 13, 2148-2158.	2.7	402
7	The Mex67p-mediated nuclear mRNA export pathway is conserved from yeast to human. EMBO Journal, 1999, 18, 2593-2609.	3.5	387
8	Delayed Extraction Improves Specificity in Database Searches by Matrix-assisted Laser Desorption/Ionization Peptide Maps. Rapid Communications in Mass Spectrometry, 1996, 10, 1371-1378.	0.7	307
9	Regulation of G2/M events by Cdc25A through phosphorylation-dependent modulation of its stability. EMBO Journal, 2002, 21, 5911-5920.	3.5	272
10	Identification of the Components of Simple Protein Mixtures by High-Accuracy Peptide Mass Mapping and Database Searching. Analytical Chemistry, 1997, 69, 4741-4750.	3.2	253
11	The complex containing actin-related proteins Arp2 and Arp3 is required for the motility and integrity of yeast actin patches. Current Biology, 1997, 7, 519-529.	1.8	239
12	A Proteomic Approach for Identification of Secreted Proteins during the Differentiation of 3T3-L1 Preadipocytes to Adipocytes. Molecular and Cellular Proteomics, 2002, 1, 213-222.	2.5	227
13	A strategy for identifying gel-separated proteins in sequence databases by MS alone. Biochemical Society Transactions, 1996, 24, 893-896.	1.6	212
14	Screening forN-glycosylated proteins by liquid chromatography mass spectrometry. Proteomics, 2004, 4, 454-465.	1.3	185
15	Mtr10p functions as a nuclear import receptor for the mRNA-binding protein Npl3p. EMBO Journal, 1998, 17, 2196-2207.	3.5	174
16	The RING-H2 finger protein APC11 and the E2 enzyme UBC4 are sufficient to ubiquitinate substrates of the anaphase-promoting complex. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 8973-8978.	3.3	173
17	Integrated Analysis of the Cerebrospinal Fluid Peptidome and Proteome. Journal of Proteome Research, 2008, 7, 386-399.	1.8	162
18	Control of the Terminal Step of Intracellular Membrane Fusion by Protein Phosphatase 1 . Science, 1999, 285, 1084-1087.	6.0	152

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19	Proteomic Mapping of Brain Plasma Membrane Proteins. Molecular and Cellular Proteomics, 2005, 4, 402-408.	2.5	147
20	Rrp47p Is an Exosome-Associated Protein Required for the 3â€² Processing of Stable RNAs. Molecular and Cellular Biology, 2003, 23, 6982-6992.	1.1	144
21	Nup116p and Nup100p are interchangeable through a conserved motif which constitutes a docking site for the mRNA transport factor Gle2p. EMBO Journal, 1998, 17, 1107-1119.	3.5	127
22	Yeast poly(A)-binding protein Pab1 shuttles between the nucleus and the cytoplasm and functions in mRNA export. Rna, 2005, 11, 517-531.	1.6	115
23	Phosphopeptide detection and sequencing by matrix-assisted laser desorption/ionization quadrupole time-of-flight tandem mass spectrometry. Journal of Mass Spectrometry, 2002, 37, 179-190.	0.7	102
24	Analysis of the Mouse Liver Proteome Using Advanced Mass Spectrometry. Journal of Proteome Research, 2007, 6, 2963-2972.	1.8	83
25	Mlp2p, A Component of Nuclear Pore Attached Intranuclear Filaments, Associates with Nic96p. Journal of Biological Chemistry, 2000, 275, 343-350.	1.6	81
26	Ssdp proteins interact with the LIM-domain-binding protein Ldb1 to regulate development. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14320-14325.	3.3	66
27	Association of Yeast RNA Polymerase I with a Nucleolar Substructure Active in Rrna Synthesis and Processing. Journal of Cell Biology, 2000, 149, 575-590.	2.3	54
28	Experiences and perspectives of MALDI MS and MS/MS in proteomic research. International Journal of Mass Spectrometry, 2003, 226, 223-237.	0.7	54
29	Correlation of acidic and basic carrier ampholyte and immobilized pH gradient two-dimensional gel electrophoresis patterns based on mass spectrometric protein identification. Electrophoresis, 1998, 19, 1024-1035.	1.3	53
30	Nup116p Associates with the Nup82p-Nsp1p-Nup159p Nucleoporin Complex. Journal of Biological Chemistry, 2000, 275, 23540-23548.	1.6	52
31	Cloning of a novel phosphotyrosine binding domain containing molecule, Odin, involved in signaling by receptor tyrosine kinases. Oncogene, 2002, 21, 8029-8036.	2.6	48
32	Comparison of different search engines using validated MS/MS test datasets. Analytica Chimica Acta, 2005, 534, 11-20.	2.6	41
33	Experimental Peptide Identification Repository (EPIR). Molecular and Cellular Proteomics, 2004, 3, 1023-1038.	2.5	38
34	Identification of MINUS, a small polypeptide that functions as a microtubule nucleation suppressor. EMBO Journal, 1999, 18, 565-577.	3.5	19
35	Purification of Protein A-tagged Yeast Ran Reveals Association with a Novel Karyopherin Î² Family Member, Pdr6p. Journal of Biological Chemistry, 2000, 275, 467-471.	1.6	15
36	Improved Reversed Phase Chromatography of Hydrophilic Peptides from Spatial and Temporal Changes in Column Temperature. Journal of Proteome Research, 2017, 16, 2307-2317.	1.8	11

#	Article	IF	Citations
37	The application of robotics and mass spectrometry to the characterisation of theDrosophila melanogaster indirect flight muscle proteome. International Journal of Peptide Research and Therapeutics, 1997, 4, 57-65.	0.1	7
38	Delayed Extraction Improves Specificity in Database Searches by Matrixâ€assisted Laser Desorption/Ionization Peptide Maps. Rapid Communications in Mass Spectrometry, 1996, 10, 1371-1378.	0.7	7
39	Title is missing!. International Journal of Peptide Research and Therapeutics, 1997, 4, 57-65.	0.1	6
40	Identification of yeast proteins by mass spectrometry. Methods in Enzymology, 2002, 351, 296-321.	0.4	3
41	Multi-Protein Complexes Studied by Mass Spectrometry. Scientific World Journal, The, 2002, 2, 91-92.	0.8	1