Rui Cao

List of Publications by Year
in descending order

32	1,297	394421	414414
papers	citations	19 h-index	32 g-index

32	32	32	1865
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Airway Mucin Concentration as a Marker of Chronic Bronchitis. New England Journal of Medicine, 2017, 377, 911-922.	27.0	279
2	Evaluation of the Application of Sodium Deoxycholate to Proteomic Analysis of Rat Hippocampal Plasma Membrane. Journal of Proteome Research, 2006, 5, 2547-2553.	3.7	108
3	Integration of a Two-Phase Partition Method into Proteomics Research on Rat Liver Plasma Membrane Proteins. Journal of Proteome Research, 2006, 5, 634-642.	3.7	83
4	The innate immune properties of airway mucosal surfaces are regulated by dynamic interactions between mucins and interacting proteins: the mucin interactome. Mucosal Immunology, 2016, 9, 1442-1454.	6.0	75
5	Proteomic analysis of mouse liver plasma membrane: Use of differential extraction to enrich hydrophobic membrane proteins. Proteomics, 2005, 5, 4510-4524.	2.2	66
6	Proteomic and Peptidomic Characterization of the Venom from the Chinese Bird Spider,OrnithoctonushuwenaWang. Journal of Proteome Research, 2007, 6, 2792-2801.	3.7	66
7	Proteomic analysis of rat hippocampal plasma membrane: characterization of potential neuronal-specific plasma membrane proteins. Journal of Neurochemistry, 2006, 98, 1126-1140.	3.9	60
8	The protein kinase TOUSLED is required for maintenance of transcriptional gene silencing in Arabidopsis. EMBO Reports, 2007, 8, 77-83.	4.5	49
9	A combined de novo protein sequencing and cDNA library approach to the venomic analysis of Chinese spider Araneus ventricosus. Journal of Proteomics, 2013, 78, 416-427.	2.4	49
10	Excess Secretion of Gel-Forming Mucins and Associated Innate Defense Proteins with Defective Mucin Un-Packaging Underpin Gallbladder Mucocele Formation in Dogs. PLoS ONE, 2015, 10, e0138988.	2.5	45
11	High-Throughput Analysis of Rat Liver Plasma Membrane Proteome by a Nonelectrophoretic In-Gel Tryptic Digestion Coupled with Mass Spectrometry Identification. Journal of Proteome Research, 2008, 7, 535-545.	3.7	42
12	Proteomic analysis of Latrodectus tredecimguttatus venom for uncovering potential latrodectismâ€related proteins. Journal of Biochemical and Molecular Toxicology, 2008, 22, 328-336.	3.0	41
13	Immunoaffinity Purification of Plasma Membrane with Secondary Antibody Superparamagnetic Beads for Proteomic Analysis. Journal of Proteome Research, 2007, 6, 34-43.	3.7	38
14	Quantitative Proteomics: Measuring Protein Synthesis Using ¹⁵N Amino Acid Labeling in Pancreatic Cancer Cells. Analytical Chemistry, 2009, 81, 764-771.	6.5	32
15	Mapping the Protein Domain Structures of the Respiratory Mucins: A Mucin Proteome Coverage Study. Journal of Proteome Research, 2012, 11, 4013-4023.	3.7	31
16	Shotgun Proteomics and Network Analysis between Plasma Membrane and Extracellular Matrix Proteins from Rat Olfactory Ensheathing Cells. Cell Transplantation, 2010, 19, 133-146.	2.5	27
17	Inhibition of Protein Phosphorylation in MIA Pancreatic Cancer Cells: Confluence of Metabolic and Signaling Pathways. Journal of Proteome Research, 2010, 9, 980-989.	3.7	27
18	Quantitative Proteomic Analysis of Membrane Proteins Involved in Astroglial Differentiation of Neural Stem Cells by SILAC Labeling Coupled with LCâ€“MS/MS. Journal of Proteome Research, 2012, 11, 829-838.	3.7	25

#	Article	IF	Citations
19	A proteomic study reveals the diversified distribution of plasma membraneâ€associated proteins in rat hepatocytes. Journal of Cellular Biochemistry, 2008, 104, 965-984.	2.6	21
20	Protein Compositional Analysis of the Eggs of Black Widow Spider (Latrodectus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (trede Molecular Toxicology, 2012, 26, 510-515.	3.0	19
21	An in Vivo Membrane Density Perturbation Strategy for Identification of Liver Sinusoidal Surface Proteome Accessible from the Vasculature. Journal of Proteome Research, 2009, 8, 123-132.	3.7	18
22	Proteomic Screen for Multiprotein Complexes in Synaptic Plasma Membrane from Rat Hippocampus by Blue Native Gel Electrophoresis and Tandem Mass Spectrometry. Journal of Proteome Research, 2009, 8, 3475-3486.	3.7	18
23	Proteome analysis of combined effects of androgen and estrogen on the mouse mammary gland. Proteomics, 2006, 6, 487-497.	2.2	14
24	Evaluation of two cell surface modification methods for proteomic analysis of plasma membrane from isolated mouse hepatocytes. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 32-41.	2.3	14
25	Development of cationic colloidal silica-coated magnetic nanospheres for highly selective and rapid enrichment of plasma membrane fractions for proteomics analysis. Biotechnology and Applied Biochemistry, 2009, 54, 213-220.	3.1	13
26	Profiling Pancreatic Cancer-Secreted Proteome Using 15N Amino Acids and Serum-Free Media. Pancreas, 2010, 39, e17-e23.	1.1	9
27	Proteomics analysis of plasma membrane from liver sinusoidal endothelial cells after partial hepatectomy by an improved two-dimensional electrophoresis. Molecular and Cellular Biochemistry, 2010, 344, 137-150.	3.1	9
28	Evaluation of strategy for analyzing mouse liver plasma membrane proteome. Science in China Series C: Life Sciences, 2007, 50, 731-738.	1.3	6
29	Dataset of the plasma membrane proteome of nasopharyngeal carcinoma cell line HNE1 for uncovering protein function. Acta Biochimica Et Biophysica Sinica, 2008, 40, 55-70.	2.0	4
30	Improvement of hydrophobic integral membrane protein identification by mild performic acid oxidation-assisted digestion. Analytical Biochemistry, 2010, 407, 196-204.	2.4	4
31	Synaptotagmin I delays the fast inactivation of Kv1.4 channel through interaction with its N-terminus. Molecular Brain, 2014, 7, 4.	2.6	4
32	Liver Plasma Membranes: An Effective Method to Analyze Membrane Proteome. Methods in Molecular Biology, 2012, 909, 113-123.	0.9	1