

# Rui Cao

## List of Publications by Year in descending order

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32  
papers

1,297  
citations

394421

19  
h-index

414414

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1865  
citing authors

#	ARTICLE	IF	CITATIONS
1	Airway Mucin Concentration as a Marker of Chronic Bronchitis. <i>New England Journal of Medicine</i> , 2017, 377, 911-922.	27.0	279
2	The innate immune properties of airway mucosal surfaces are regulated by dynamic interactions between mucins and interacting proteins: the mucin interactome. <i>Mucosal Immunology</i> , 2016, 9, 1442-1454.	6.0	75
3	Excess Secretion of Gel-Forming Mucins and Associated Innate Defense Proteins with Defective Mucin Un-Packaging Underpin Gallbladder Mucocele Formation in Dogs. <i>PLoS ONE</i> , 2015, 10, e0138988.	2.5	45
4	Synaptotagmin I delays the fast inactivation of Kv1.4 channel through interaction with its N-terminus. <i>Molecular Brain</i> , 2014, 7, 4.	2.6	4
5	A combined de novo protein sequencing and cDNA library approach to the venom analysis of Chinese spider <i>Araneus ventricosus</i> . <i>Journal of Proteomics</i> , 2013, 78, 416-427.	2.4	49
6	Protein Compositional Analysis of the Eggs of Black Widow Spider ( <i>Latrodectus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (trede Molecular Toxicology, 2012, 26, 510-515.	3.0	19
7	Mapping the Protein Domain Structures of the Respiratory Mucins: A Mucin Proteome Coverage Study. <i>Journal of Proteome Research</i> , 2012, 11, 4013-4023.	3.7	31
8	Liver Plasma Membranes: An Effective Method to Analyze Membrane Proteome. <i>Methods in Molecular Biology</i> , 2012, 909, 113-123.	0.9	1
9	Quantitative Proteomic Analysis of Membrane Proteins Involved in Astroglial Differentiation of Neural Stem Cells by SILAC Labeling Coupled with LC-MS/MS. <i>Journal of Proteome Research</i> , 2012, 11, 829-838.	3.7	25
10	Shotgun Proteomics and Network Analysis between Plasma Membrane and Extracellular Matrix Proteins from Rat Olfactory Ensheathing Cells. <i>Cell Transplantation</i> , 2010, 19, 133-146.	2.5	27
11	Profiling Pancreatic Cancer-Secreted Proteome Using 15N Amino Acids and Serum-Free Media. <i>Pancreas</i> , 2010, 39, e17-e23.	1.1	9
12	Proteomics analysis of plasma membrane from liver sinusoidal endothelial cells after partial hepatectomy by an improved two-dimensional electrophoresis. <i>Molecular and Cellular Biochemistry</i> , 2010, 344, 137-150.	3.1	9
13	Improvement of hydrophobic integral membrane protein identification by mild performic acid oxidation-assisted digestion. <i>Analytical Biochemistry</i> , 2010, 407, 196-204.	2.4	4
14	Inhibition of Protein Phosphorylation in MIA Pancreatic Cancer Cells: Confluence of Metabolic and Signaling Pathways. <i>Journal of Proteome Research</i> , 2010, 9, 980-989.	3.7	27
15	Evaluation of two cell surface modification methods for proteomic analysis of plasma membrane from isolated mouse hepatocytes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 32-41.	2.3	14
16	Development of cationic colloidal silica-coated magnetic nanospheres for highly selective and rapid enrichment of plasma membrane fractions for proteomics analysis. <i>Biotechnology and Applied Biochemistry</i> , 2009, 54, 213-220.	3.1	13
17	An <i>In Vivo</i> Membrane Density Perturbation Strategy for Identification of Liver Sinusoidal Surface Proteome Accessible from the Vasculature. <i>Journal of Proteome Research</i> , 2009, 8, 123-132.	3.7	18
18	Proteomic Screen for Multiprotein Complexes in Synaptic Plasma Membrane from Rat Hippocampus by Blue Native Gel Electrophoresis and Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2009, 8, 3475-3486.	3.7	18

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19	Quantitative Proteomics: Measuring Protein Synthesis Using <sup>15</sup> N Amino Acid Labeling in Pancreatic Cancer Cells. <i>Analytical Chemistry</i> , 2009, 81, 764-771.	6.5	32
20	Proteomic analysis of <i>Latrodectus tredecimguttatus</i> venom for uncovering potential latrodectism-related proteins. <i>Journal of Biochemical and Molecular Toxicology</i> , 2008, 22, 328-336.	3.0	41
21	A proteomic study reveals the diversified distribution of plasma membrane-associated proteins in rat hepatocytes. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 965-984.	2.6	21
22	Dataset of the plasma membrane proteome of nasopharyngeal carcinoma cell line HNE1 for uncovering protein function. <i>Acta Biochimica Et Biophysica Sinica</i> , 2008, 40, 55-70.	2.0	4
23	High-Throughput Analysis of Rat Liver Plasma Membrane Proteome by a Nonelectrophoretic In-Gel Tryptic Digestion Coupled with Mass Spectrometry Identification. <i>Journal of Proteome Research</i> , 2008, 7, 535-545.	3.7	42
24	Proteomic and Peptidomic Characterization of the Venom from the Chinese Bird Spider, <i>Ornithoctonus huwena</i> Wang. <i>Journal of Proteome Research</i> , 2007, 6, 2792-2801.	3.7	66
25	Immunoaffinity Purification of Plasma Membrane with Secondary Antibody Superparamagnetic Beads for Proteomic Analysis. <i>Journal of Proteome Research</i> , 2007, 6, 34-43.	3.7	38
26	The protein kinase TOUSLED is required for maintenance of transcriptional gene silencing in <i>Arabidopsis</i> . <i>EMBO Reports</i> , 2007, 8, 77-83.	4.5	49
27	Evaluation of strategy for analyzing mouse liver plasma membrane proteome. <i>Science in China Series C: Life Sciences</i> , 2007, 50, 731-738.	1.3	6
28	Integration of a Two-Phase Partition Method into Proteomics Research on Rat Liver Plasma Membrane Proteins. <i>Journal of Proteome Research</i> , 2006, 5, 634-642.	3.7	83
29	Proteome analysis of combined effects of androgen and estrogen on the mouse mammary gland. <i>Proteomics</i> , 2006, 6, 487-497.	2.2	14
30	Proteomic analysis of rat hippocampal plasma membrane: characterization of potential neuronal-specific plasma membrane proteins. <i>Journal of Neurochemistry</i> , 2006, 98, 1126-1140.	3.9	60
31	Evaluation of the Application of Sodium Deoxycholate to Proteomic Analysis of Rat Hippocampal Plasma Membrane. <i>Journal of Proteome Research</i> , 2006, 5, 2547-2553.	3.7	108
32	Proteomic analysis of mouse liver plasma membrane: Use of differential extraction to enrich hydrophobic membrane proteins. <i>Proteomics</i> , 2005, 5, 4510-4524.	2.2	66