Rebekah L Gundry

List of Publications by Year
in descending order

66 papers	2,273 citations	279701 23 h-index	233338 45 g-index
76 all docs	76 docs citations	76 times ranked	3822 citing authors

#	Article	IF	Citations
1	Bottom-up proteomic analysis of human adult cardiac tissue and isolated cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2022, 162, 20-31.	0.9	9
2	Plasma metabolomic profiling as a tool to identify predictive biomarkers of methotrexate efficacy in rheumatoid arthritis. Seminars in Arthritis and Rheumatism, 2022, 56, 152056.	1.6	4
3	Sexual Dimorphic Role of CD14 (Cluster of Differentiation 14) in Salt-Sensitive Hypertension and Renal Injury. Hypertension, 2021, 77, 228-240.	1.3	7
4	Assessment of Streptavidin Bead Binding Capacity to Improve Quality of Streptavidin-based Enrichment Studies. Journal of Proteome Research, 2021, 20, 1153-1164.	1.8	18
5	Facile Preparation of Peptides for Mass Spectrometry Analysis in Bottomâ€Up Proteomics Workflows. Current Protocols, 2021, 1, e85.	1.3	10
6	Characterization and statistical modeling of glycosylation changes in sickle cell disease. Blood Advances, 2021, 5, 1463-1473.	2.5	5
7	Importance of evaluating protein glycosylation in pluripotent stem cell-derived cardiomyocytes for research and clinical applications. Pflugers Archiv European Journal of Physiology, 2021, 473, 1041-1059.	1.3	8
8	The Roseoloviruses Downregulate the Protein Tyrosine Phosphatase PTPRC (CD45). Journal of Virology, 2021, 95, e0162820.	1.5	7
9	Plasma Metabolome Normalization in Rheumatoid Arthritis Following Initiation of Methotrexate and the Identification of Metabolic Biomarkers of Efficacy. Metabolites, 2021, 11, 824.	1.3	14
10	The effects of maturation and aging on the rotator cuff tendonâ€toâ€bone interface. FASEB Journal, 2021, 35, e22066.	0.2	9
11	A high-stringency blueprint of the human proteome. Nature Communications, 2020, 11, 5301.	5.8	152
12	Discovery and validation of surfaceN-glycoproteins in MM cell lines and patient samples uncovers immunotherapy targets. , 2020, 8, e000915.		13
13	Secrets of Cardiac Remodeling Revealed in the Secretome. Circulation, 2020, 141, 1645-1647.	1.6	0
14	Cutting edge technologies in cardiovascular research. Journal of Molecular and Cellular Cardiology, 2020, 142, 154.	0.9	0
15	UbcH5 Interacts with Substrates to Participate in Lysine Selection with the E3 Ubiquitin Ligase CHIP. Biochemistry, 2020, 59, 2078-2088.	1.2	7
16	Using an Investigative Journalism Approach to Design Mechanistic Experiments in Physiology. Physiology, 2020, 35, 218-219.	1.6	0
17	Quantitative proteomic analysis of aqueous humor after rabbit lensectomy reveals differences in coagulation and immunomodulatory proteins. Molecular Omics, 2020, 16, 126-137.	1.4	5
18	The cell surface marker CD36 selectively identifies matured, mitochondria-rich hPSC-cardiomyocytes. Cell Research, 2020, 30, 626-629.	5.7	36

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19	CIRFESS: An Interactive Resource for Querying the Set of Theoretically Detectable Peptides for Cell Surface and Extracellular Enrichment Proteomic Studies. Journal of the American Society for Mass Spectrometry, 2020, 31, 1389-1397.	1.2	13
20	SurfaceGenie: a web-based application for prioritizing cell-type-specific marker candidates. Bioinformatics, 2020, 36, 3447-3456.	1.8	37
21	Reference glycan structure libraries of primary human cardiomyocytes and pluripotent stem cell-derived cardiomyocytes reveal cell-type and culture stage-specific glycan phenotypes. Journal of Molecular and Cellular Cardiology, 2020, 139, 33-46.	0.9	18
22	Mortalin (HSPA9) facilitates BRAF -mutant tumor cell survival by suppressing ANT3-mediated mitochondrial membrane permeability. Science Signaling, 2020, 13, .	1.6	24
23	COVID-19 and cardiovascular disease: What we know, what we think we know, and what we need to know. Journal of Molecular and Cellular Cardiology, 2020, 144, 12-14.	0.9	7
24	Reliable Protocols for Flow Cytometry Analysis of Intracellular Proteins in Pluripotent Stem Cell Derivatives: A Fitâ€Forâ€Purpose Approach. Current Protocols in Stem Cell Biology, 2019, 50, e94.	3.0	5
25	A call to adopt a â€œfit for purposeâ€• approach to antibody validation for flow cytometry analyses of stem cell models and beyond. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H954-H957.	1.5	3
26	Are These Cardiomyocytes? Protocol Development Reveals Impact of Sample Preparation on the Accuracy of Identifying Cardiomyocytes by Flow Cytometry. Stem Cell Reports, 2019, 12, 395-410.	2.3	14
27	Standardization of PGC-LC-MS-based glycomics for sample specific glycotyping. Analyst, The, 2019, 144, 3601-3612.	1.7	63
28	SP2: Rapid and Automatable Contaminant Removal from Peptide Samples for Proteomic Analyses. Journal of Proteome Research, 2019, 18, 1644-1656.	1.8	36
29	Mass Spectrometry-Based Identification of Extracellular Domains of Cell Surface N-Glycoproteins: Defining the Accessible Surfaceome for Immunophenotyping Stem Cells and Their Derivatives. Methods in Molecular Biology, 2018, 1722, 57-78.	0.4	10
30	Quantitative Top-Down Mass Spectrometry Identifies Proteoforms Differentially Released during Mechanical Stimulation of Mouse Skin. Journal of Proteome Research, 2018, 17, 2635-2648.	1.8	7
31	Cardiomyocyte Differentiation Promotes Cell Survival During Nicotinamide Phosphoribosyltransferase Inhibition Through Increased Maintenance of Cellular Energy Stores. Stem Cells Translational Medicine, 2017, 6, 1191-1201.	1.6	3
32	Nâ€glycoprotein surfaceome of human induced pluripotent stem cell derived hepatic endoderm. Proteomics, 2017, 17, 1600397.	1.3	19
33	Cell Surface Proteomics of N-Linked Glycoproteins for Typing of Human Lymphocytes. Proteomics, 2017, 17, 1700156.	1.3	18
34	Concise Review: Cell Surface N-Linked Glycoproteins as Potential Stem Cell Markers and Drug Targets. Stem Cells Translational Medicine, 2017, 6, 131-138.	1.6	21
35	Front Cover: Cell Surface Proteomics of N-Linked Glycoproteins for Typing of Human Lymphocytes. Proteomics, 2017, 17, 1770141.	1.3	1
36	Stem Cell Proteomics. , 2016, , 123-153.		0

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37	Mapping the Cell-Surface N-Glycoproteome of Human Hepatocytes Reveals Markers for Selecting a Homogeneous Population of iPSC-Derived Hepatocytes. Stem Cell Reports, 2016, 7, 543-556.	2.3	44
38	Bioinformatics for Mass Spectrometry-Based Proteomics. , 2016, , 99-112.		0
39	Hold or foldâ€"Proteins in advanced heart failure and myocardial recovery. Proteomics - Clinical Applications, 2015, 9, 121-133.	0.8	2
40	Activin-A and Bmp4 Levels Modulate Cell Type Specification during CHIR-Induced Cardiomyogenesis. PLoS ONE, 2015, 10, e0118670.	1.1	29
41	Inhibition of an NAD+ Salvage Pathway Provides Efficient and Selective Toxicity to Human Pluripotent Stem Cells. Stem Cells Translational Medicine, 2015, 4, 483-493.	1.6	24
42	Structure-Function Analysis of CCL28 in the Development of Post-viral Asthma. Journal of Biological Chemistry, 2015, 290, 4528-4536.	1.6	19
43	Bacterial expression of the phosphodiester-binding site of the cation-independent mannose 6-phosphate receptor for crystallographic and NMR studies. Protein Expression and Purification, 2015, 111, 91-97.	0.6	1
44	A Mass Spectrometric-Derived Cell Surface Protein Atlas. PLoS ONE, 2015, 10, e0121314.	1.1	356
45	High Efficiency Differentiation of Human Pluripotent Stem Cells to Cardiomyocytes and Characterization by Flow Cytometry. Journal of Visualized Experiments, 2014, , 52010.	0.2	56
46	Nâ€glycoprotein surfaceomes of four developmentally distinct mouse cell types. Proteomics - Clinical Applications, 2014, 8, 603-609.	0.8	12
47	Combine and Conquer: Surfactants, Solvents, and Chaotropes for Robust Mass Spectrometry Based Analyses of Membrane Proteins. Analytical Chemistry, 2014, 86, 1551-1559.	3.2	57
48	A Human Pluripotent Stem Cell Surface N-Glycoproteome Resource Reveals Markers, Extracellular Epitopes, and Drug Targets. Stem Cell Reports, 2014, 3, 185-203.	2.3	73
49	A Cell Surfaceome Map for Immunophenotyping and Sorting Pluripotent Stem Cells. Molecular and Cellular Proteomics, 2012, 11, 303-316.	2.5	58
50	Human ESC/iPSC-based â€˜omicsâ€™ and bioinformatics for translational research. Drug Discovery Today: Disease Models, 2012, 9, e161-e170.	1.2	8
51	Embryonic Stem Cell-Derived Cardiomyocyte Heterogeneity and the Isolation of Immature and Committed Cells for Cardiac Remodeling and Regeneration. Stem Cells International, 2011, 2011, 1-10.	1.2	25
52	Pluripotent stem cell heterogeneity and the evolving role of proteomic technologies in stem cell biology. Proteomics, 2011, 11, 3947-3961.	1.3	20
53	Preparation of Proteins and Peptides for Mass Spectrometry Analysis in a Bottomâ€Up Proteomics Workflow. Current Protocols in Molecular Biology, 2010, 90, Unit10.25.	2.9	184
54	Expanding the mouse embryonic stem cell proteome: Combining three proteomic approaches. Proteomics, 2010, 10, 2728-2732.	1.3	17

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55	Assessment of albumin removal from an immunoaffinity spin column: Critical implications for proteomic examination of the albuminome and albuminâ€depleted samples. Proteomics, 2009, 9, 2021-2028.	1.3	64
56	The Mouse C2C12 Myoblast Cell Surface N-Linked Glycoproteome. Molecular and Cellular Proteomics, 2009, 8, 2555-2569.	2.5	68
57	A novel role for proteomics in the discovery of cellâ€surface markers on stem cells: Scratching the surface. Proteomics - Clinical Applications, 2008, 2, 892-903.	0.8	37
58	Unraveling the Complexity of Circulating Forms of Brain Natriuretic Peptide. Clinical Chemistry, 2007, 53, 1181-1182.	1.5	11
59	Investigation of an albumin-enriched fraction of human serum and its albuminome. Proteomics - Clinical Applications, 2007, 1, 73-88.	0.8	165
60	Mitochondrial DNA Analysis of the Domestic Dog: Control Region Variation Within and Among Breeds. Journal of Forensic Sciences, 2007, 52, 562-572.	0.9	52
61	When does a fingerprint constitute a diagnostic?. Lancet, The, 2006, 368, 971-973.	6.3	9
62	Cleavage of cystatin C in the cerebrospinal fluid of patients with multiple sclerosis. Annals of Neurology, 2006, 59, 237-247.	2.8	91
63	Tandem Time-of-Flight (TOF/TOF) Mass Spectrometry and Proteomics. Journal of the Mass Spectrometry Society of Japan, 2005, 53, 7-17.	0.0	14
64	Disposable Hydrophobic Surface on MALDI Targets for Enhancing MS and MS/MS Data of Peptides. Analytical Chemistry, 2005, 77, 6609-6617.	3.2	26
65	Heart Disease, Clinical Proteomics and Mass Spectrometry. Disease Markers, 2004, 20, 167-178.	0.6	72
66	4-Aminopiperidine-4-carboxylic Acid:Â A Cyclic Î±,Î±-Disubstituted Amino Acid for Preparation of Water-Soluble Highly Helical Peptides. Journal of Organic Chemistry, 1996, 61, 7650-7651.	1.7	70