Michelle M Hill

List of Publications by Year in descending order

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71651 71061 6,785 130 41 citations h-index papers

g-index 143 143 143 10577 docs citations times ranked citing authors all docs

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#	Article	IF	CITATIONS
1	PTRF-Cavin, a Conserved Cytoplasmic Protein Required for Caveola Formation and Function. Cell, 2008, 132, 113-124.	13.5	647
2	EVpedia: a community web portal for extracellular vesicles research. Bioinformatics, 2015, 31, 933-939.	1.8	317
3	A Role for Protein Kinase Bl 2 /Akt2 in Insulin-Stimulated GLUT4 Translocation in Adipocytes. Molecular and Cellular Biology, 1999, 19, 7771-7781.	1.1	294
4	Clathrin-independent carriers form a high capacity endocytic sorting system at the leading edge of migrating cells. Journal of Cell Biology, 2010, 190, 675-691.	2.3	263
5	MURC/Cavin-4 and cavin family members form tissue-specific caveolar complexes. Journal of Cell Biology, 2009, 185, 1259-1273.	2.3	243
6	Analysis of the composition, assembly kinetics and activity of native Apaf-1 apoptosomes. EMBO Journal, 2004, 23, 2134-2145.	3.5	241
7	Role of intratumoural heterogeneity in cancer drug resistance: molecular and clinical perspectives. EMBO Molecular Medicine, 2012, 4, 675-684.	3.3	223
8	Inhibition of protein kinase B/Akt. , 2002, 93, 243-251.		197
9	Extracellular vesicles as circulating cancer biomarkers: opportunities and challenges. Clinical and Translational Medicine, 2018, 7, 14.	1.7	178
10	Intracellular Localization of Phosphatidylinositide 3-kinase and Insulin Receptor Substrate-1 in Adipocytes: Potential Involvement of a Membrane Skeleton. Journal of Cell Biology, 1998, 140, 1211-1225.	2.3	171
11	Identification of a Plasma Membrane Raft-Associated PKB Ser473 Kinase Activity that Is Distinct from ILK and PDK1. Current Biology, 2002, 12, 1251-1255.	1.8	166
12	Endocytic Crosstalk: Cavins, Caveolins, and Caveolae Regulate Clathrin-Independent Endocytosis. PLoS Biology, 2014, 12, e1001832.	2.6	128
13	Insulin-stimulated Protein Kinase B Phosphorylation on Ser-473 Is Independent of Its Activity and Occurs through a Staurosporine-insensitive Kinase. Journal of Biological Chemistry, 2001, 276, 25643-25646.	1.6	121
14	Caveolae regulate the nanoscale organization of the plasma membrane to remotely control Ras signaling. Journal of Cell Biology, 2014, 204, 777-792.	2.3	112
15	Critical role of CAV1/caveolin-1 in cell stress responses in human breast cancer cells via modulation of lysosomal function and autophagy. Autophagy, 2015, 11, 769-784.	4.3	112
16	Evolutionary analysis and molecular dissection of caveola biogenesis. Journal of Cell Science, 2008, 121, 2075-2086.	1.2	110
17	Identification of Tyrosine Phosphorylation Sites on 3-Phosphoinositide-dependent Protein Kinase-1 and Their Role in Regulating Kinase Activity. Journal of Biological Chemistry, 2001, 276, 37459-37471.	1.6	108
18	G9a drives hypoxia-mediated gene repression for breast cancer cell survival and tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7077-7082.	3.3	105

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19	Intestinal Metaproteomics Reveals Host-Microbiota Interactions in Subjects at Risk for Type 1 Diabetes. Diabetes Care, 2018, 41, 2178-2186.	4.3	105
20	Arf6-independent GPI-anchored Protein-enriched Early Endosomal Compartments Fuse with Sorting Endosomes via a Rab5/Phosphatidylinositol-3′-Kinase–dependent Machinery. Molecular Biology of the Cell, 2006, 17, 3689-3704.	0.9	104
21	Coronin 1B Reorganizes the Architecture of F-Actin Networks for Contractility at Steady-State and Apoptotic Adherens Junctions. Developmental Cell, 2016, 37, 58-71.	3.1	103
22	Cavinâ€1/PTRF alters prostate cancer cellâ€derived extracellular vesicle content and internalization to attenuate extracellular vesicleâ€mediated osteoclastogenesis and osteoblast proliferation. Journal of Extracellular Vesicles, 2014, 3, .	5.5	86
23	Molecular Characterization of Caveolin-induced Membrane Curvature. Journal of Biological Chemistry, 2015, 290, 24875-24890.	1.6	85
24	Purification Protocols for Extracellular Vesicles. Methods in Molecular Biology, 2017, 1660, 111-130.	0.4	77
25	Portrait of a Killer: The Mitochondrial Apoptosome Emerges From the Shadows. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2003, 3, 19-26.	3.4	76
26	PTRF/cavin-1 neutralizes non-caveolar caveolin-1 microdomains in prostate cancer. Oncogene, 2014, 33, 3561-3570.	2.6	72
27	An Electrochemical Method for the Detection of Diseaseâ€Specific Exosomes. ChemElectroChem, 2017, 4, 967-971.	1.7	71
28	Increased lipid metabolism impairs NK cell function and mediates adaptation to the lymphoma environment. Blood, 2020, 136, 3004-3017.	0.6	71
29	PTRF–cavin-1 expression decreases the migration of PC3 prostate cancer cells: Role of matrix metalloprotease 9. European Journal of Cell Biology, 2011, 90, 136-142.	1.6	69
30	lipidr: A Software Tool for Data Mining and Analysis of Lipidomics Datasets. Journal of Proteome Research, 2020, 19, 2890-2897.	1.8	69
31	Nucleophosmin and Nucleolin Regulate K-Ras Plasma Membrane Interactions and MAPK Signal Transduction. Journal of Biological Chemistry, 2009, 284, 28410-28419.	1.6	61
32	Expression of PTRF in PC-3 Cells Modulates Cholesterol Dynamics and the Actin Cytoskeleton Impacting Secretion Pathways. Molecular and Cellular Proteomics, 2012, 11, M111.012245.	2.5	59
33	Senescent human hepatocytes express a unique secretory phenotype and promote macrophage migration. World Journal of Gastroenterology, 2014, 20, 17851-17862.	1.4	57
34	Implementation and evaluation of amyloidosis subtyping by laser-capture microdissection and tandem mass spectrometry. Clinical Proteomics, 2016, 13, 30.	1.1	56
35	Modulation of paracrine signaling by CD9 positive small extracellular vesicles mediates cellular growth of androgen deprived prostate cancer. Oncotarget, 2017, 8, 52237-52255.	0.8	55
36	Identification of intracellular cavin target proteins reveals cavin-PP1alpha interactions regulate apoptosis. Nature Communications, 2019, 10, 3279.	5.8	53

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37	Optimizing Size Exclusion Chromatography for Extracellular Vesicle Enrichment and Proteomic Analysis from Clinically Relevant Samples. Proteomics, 2019, 19, e1800156.	1.3	52
38	Co-Regulation of Cell Polarization and Migration by Caveolar Proteins PTRF/Cavin-1 and Caveolin-1. PLoS ONE, 2012, 7, e43041.	1.1	49
39	Caveola-forming proteins caveolin-1 and PTRF in prostate cancer. Nature Reviews Urology, 2013, 10, 529-536.	1.9	48
40	Progression of Osteosarcoma from a Non-Metastatic to a Metastatic Phenotype Is Causally Associated with Activation of an Autocrine and Paracrine uPA Axis. PLoS ONE, 2015, 10, e0133592.	1.1	47
41	Two Splice Variants of Protein Kinase $B\hat{l}^3$ Have Different Regulatory Capacity Depending on the Presence or Absence of the Regulatory Phosphorylation Site Serine 472 in the Carboxyl-terminal Hydrophobic Domain. Journal of Biological Chemistry, 2001, 276, 29550-29558.	1.6	46
42	Lectin Magnetic Bead Array for Biomarker Discovery. Journal of Proteome Research, 2010, 9, 5496-5500.	1.8	45
43	Acute high intensity interval exercise reduces colon cancer cell growth. Journal of Physiology, 2019, 597, 2177-2184.	1.3	45
44	PTRF/Cavin-1 decreases prostate cancer angiogenesis and lymphangiogenesis. Oncotarget, 2013, 4, 1844-1855.	0.8	42
45	Diet-induced hypercholesterolemia promotes androgen-independent prostate cancer metastasis via IQGAP1 and caveolin-1. Oncotarget, 2015, 6, 7438-7453.	0.8	41
46	Highâ€throughput lectin magnetic bead arrayâ€coupled tandem mass spectrometry for glycoprotein biomarker discovery. Electrophoresis, 2011, 32, 3564-3575.	1.3	40
47	Marizomib suppresses triple-negative breast cancer via proteasome and oxidative phosphorylation inhibition. Theranostics, 2020, 10, 5259-5275.	4.6	39
48	In vivo proteomic mapping through GFP-directed proximity-dependent biotin labelling in zebrafish. ELife, $2021,10,$.	2.8	39
49	RaftProt: mammalian lipid raft proteome database. Nucleic Acids Research, 2015, 43, D335-D338.	6.5	38
50	SseK3 Is a Salmonella Effector That Binds TRIM32 and Modulates the Host's NF-κB Signalling Activity. PLoS ONE, 2015, 10, e0138529.	1.1	38
51	Therapeutic Levels of the Hydroxmethylglutaryl-Coenzyme A Reductase Inhibitor Lovastatin Activate Ras Signaling via Phospholipase D2. Molecular and Cellular Biology, 2011, 31, 1110-1120.	1.1	36
52	Statins: protectors or pretenders in prostate cancer?. Trends in Endocrinology and Metabolism, 2014, 25, 188-196.	3.1	36
53	Total transcriptome, proteome, and allergome of Johnson grass pollen, which is important for allergic rhinitis in subtropical regions. Journal of Allergy and Clinical Immunology, 2015, 135, 133-142.	1.5	36
54	Spatiotemporal Regulation of Early Lipolytic Signaling in Adipocytes. Journal of Biological Chemistry, 2009, 284, 32097-32107.	1.6	34

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55	Insulin and Oleate Promote Translocation of Inosine-5′ Monophosphate Dehydrogenase to Lipid Bodies. Traffic, 2004, 5, 739-749.	1.3	33
56	Differential Impact of Caveolae and Caveolin-1 Scaffolds on The Membrane Raft Proteome. Molecular and Cellular Proteomics, 2011, 10, M110.007146.	2.5	33
57	Serum Glycoprotein Biomarker Discovery and Qualification Pipeline Reveals Novel Diagnostic Biomarker Candidates for Esophageal Adenocarcinoma. Molecular and Cellular Proteomics, 2015, 14, 3023-3039.	2.5	33
58	Lipid mechanisms in hallmarks of cancer. Molecular Omics, 2020, 16, 6-18.	1.4	33
59	Reassessing the Role of Phosphocaveolinâ€1 in Cell Adhesion and Migration. Traffic, 2007, 8, 1695-1705.	1.3	32
60	Rapid Classification of COVID-19 Severity by ATR-FTIR Spectroscopy of Plasma Samples. Analytical Chemistry, 2021, 93, 10391-10396.	3.2	31
61	Early Diagnostic Biomarkers for Esophageal Adenocarcinomaâ€"The Current State of Play. Cancer Epidemiology Biomarkers and Prevention, 2013, 22, 1185-1209.	1.1	29
62	Enrichment and identification of glycoproteins in human saliva using lectin magnetic bead arrays. Analytical Biochemistry, 2016, 497, 76-82.	1.1	28
63	Enhancing active surveillance of prostate cancer: the potential of exercise medicine. Nature Reviews Urology, 2016, 13, 258-265.	1.9	28
64	Tyrosine dephosphorylated cortactin downregulates contractility at the epithelial zonula adherens through SRGAP1. Nature Communications, 2017, 8, 790.	5.8	27
65	Online Quantitative Proteomics <i>p</i> -Value Calculator for Permutation-Based Statistical Testing of Peptide Ratios. Journal of Proteome Research, 2014, 13, 4184-4191.	1.8	26
66	Proteomics in Molecular Diagnosis: Typing of Amyloidosis. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-9.	3.0	25
67	Evaluation of Serum Glycoprotein Biomarker Candidates for Detection of Esophageal Adenocarcinoma and Surveillance of Barrett's Esophagus. Molecular and Cellular Proteomics, 2018, 17, 2324-2334.	2.5	25
68	Serum profile changes in postpartum women with a history of childhood maltreatment: a combined metabolite and lipid fingerprinting study. Scientific Reports, 2018, 8, 3468.	1.6	24
69	Adipocytes promote prostate cancer stem cell self-renewal through amplification of the cholecystokinin autocrine loop. Oncotarget, 2016, 7, 4939-4948.	0.8	24
70	Overexpression of miRNA-25-3p inhibits Notch1 signaling and TGF- \hat{l}^2 -induced collagen expression in hepatic stellate cells. Scientific Reports, 2019, 9, 8541.	1.6	23
71	Non-caveolar caveolin-1 expression in prostate cancer cells promotes lymphangiogenesis. Oncoscience, 2015, 2, 635-645.	0.9	22
72	Reducing the cost of semi-automated in-gel tryptic digestion and GeLC sample preparation for high-throughput proteomics. Journal of Proteomics, 2016, 149, 3-6.	1.2	21

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73	Urine proteomics study reveals potential biomarkers for the differential diagnosis of cholangiocarcinoma and periductal fibrosis. PLoS ONE, 2019, 14, e0221024.	1.1	21
74	An inverted CAV1 (caveolin 1) topology defines novel autophagy-dependent exosome secretion from prostate cancer cells. Autophagy, 2021, 17, 2200-2216.	4.3	21
75	Molecular and functional profiling of apical versus basolateral small extracellular vesicles derived from primary human proximal tubular epithelial cells under inflammatory conditions. Journal of Extracellular Vesicles, 2021, 10, e12064.	5.5	20
76	Caveolinâ€1â€driven membrane remodelling regulates hnRNPKâ€mediated exosomal microRNA sorting in cancer. Clinical and Translational Medicine, 2021, 11, e381.	1.7	19
77	Discovery and Qualification of Serum Protein Biomarker Candidates for Cholangiocarcinoma Diagnosis. Journal of Proteome Research, 2019, 18, 3305-3316.	1.8	18
78	Concurrent lipidomics and proteomics on malignant plasma cells from multiple myeloma patients: Probing the lipid metabolome. PLoS ONE, 2020, 15, e0227455.	1.1	17
79	RaftProt V2: understanding membrane microdomain function through lipid raft proteomes. Nucleic Acids Research, 2019, 47, D459-D463.	6.5	16
80	The dominant 55kDa allergen of the subtropical Bahia grass (Paspalum notatum) pollen is a group 13 pollen allergen, Pas n 13. Molecular Immunology, 2011, 48, 931-940.	1.0	15
81	Integrative Analysis of Subcellular Quantitative Proteomics Studies Reveals Functional Cytoskeleton Membrane–Lipid Raft Interactions in Cancer. Journal of Proteome Research, 2016, 15, 3451-3462.	1.8	15
82	Insulin-regulatable phosphoproteins in 3T3-L1 adipocytes form detergent-insoluble complexes not associated with caveolin. Electrophoresis, 1997, 18, 2629-2637.	1.3	14
83	Analysis of Protein Kinase B/Akt. Methods in Enzymology, 2002, 345, 448-463.	0.4	14
84	Nucleophosmin and nucleolin regulate K-Ras signaling. Communicative and Integrative Biology, 2010, 3, 188-190.	0.6	14
85	LipidSuite: interactive web server for lipidomics differential and enrichment analysis. Nucleic Acids Research, 2021, 49, W346-W351.	6.5	14
86	Secreted Toxins From Staphylococcus aureus Strains Isolated From Keratinocyte Skin Cancers Mediate Pro-tumorigenic Inflammatory Responses in the Skin. Frontiers in Microbiology, 2021, 12, 789042.	1.5	14
87	Pathophysiological Response to SARS-CoV-2 Infection Detected by Infrared Spectroscopy Enables Rapid and Robust Saliva Screening for COVID-19. Biomedicines, 2022, 10, 351.	1.4	14
88	Electrochemical detection of protein glycosylation using lectin and protein–gold affinity interactions. Analyst, The, 2016, 141, 2356-2361.	1.7	13
89	Physical Activity in People with Multiple Myeloma: Associated Factors and Exercise Program Preferences. Journal of Clinical Medicine, 2020, 9, 3277.	1.0	13
90	Ripples in the pond – using a systems approach to decipher the cellular functions of membrane microdomains. Molecular BioSystems, 2013, 9, 330.	2.9	12

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91	Electrochemical detection of glycan and protein epitopes of glycoproteins in serum. Analyst, The, 2014, 139, 5970-5976.	1.7	11
92	A primary human T-cell spectral library to facilitate large scale quantitative T-cell proteomics. Scientific Data, 2020, 7, 412.	2.4	11
93	Iron Inhibits the SecretionÂof Apolipoprotein E in Cultured Human Adipocytes. Cellular and Molecular Gastroenterology and Hepatology, 2018, 6, 215-217.e8.	2.3	10
94	Chronic High-Fat Diet Induces Early Barrett's Esophagus in Mice through Lipidome Remodeling. Biomolecules, 2020, 10, 776.	1.8	10
95	Advances and challenges in understanding the role of the lipid raft proteome in human health. Expert Review of Proteomics, 2018, 15, 1053-1063.	1.3	9
96	The Clinical Impact of Proteomics in Amyloid Typing. Mayo Clinic Proceedings, 2021, 96, 1122-1127.	1.4	9
97	JIP4 is a PLK1 binding protein that regulates p38MAPK activity in G2 phase. Cellular Signalling, 2015, 27, 2296-2303.	1.7	8
98	Skin Cancer-Associated S. aureus Strains Can Induce DNA Damage in Human Keratinocytes by Downregulating DNA Repair and Promoting Oxidative Stress. Cancers, 2022, 14, 2143.	1.7	8
99	Antibody-Free Multiplex Measurement of 23 Human Cytokines in Primary Cell Culture Secretome Using Targeted Mass Spectrometry. Analytical Chemistry, 2020, 92, 3742-3750.	3.2	7
100	An integrated mass spectrometry imaging and digital pathology workflow for objective detection of colorectal tumours by unique atomic signatures. Chemical Science, 2021, 12, 10321-10333.	3.7	7
101	Promoting exercise for patients with multiple myeloma: attitudes and practices of clinical haematologists. Journal of Cancer Survivorship, 2022, 16, 688-695.	1.5	7
102	Potential Role of Exercise Induced Extracellular Vesicles in Prostate Cancer Suppression. Frontiers in Oncology, 2021, 11, 746040.	1.3	7
103	Glyco-centric lectin magnetic bead array (LeMBA) â^ proteomics dataset of human serum samples from healthy, Barrett׳s esophagus and esophageal adenocarcinoma individuals. Data in Brief, 2016, 7, 1058-1062.	0.5	6
104	Detecting antimicrobial resistance in <i>Escherichia coli</i> using benchtop attenuated total reflectance-Fourier transform infrared spectroscopy and machine learning. Analyst, The, 2021, 146, 6211-6219.	1.7	6
105	Elevation of fatty acid desaturaseÂ2 in esophageal adenocarcinoma increases polyunsaturated lipids and may exacerbate bile acidâ€induced DNA damage. Clinical and Translational Medicine, 2022, 12, e810.	1.7	6
106	Differential Protein Phosphorylation in 3T3-L1 Adipocytes in Response to Insulin VersusPlatelet-derived Growth Factor. Journal of Biological Chemistry, 2000, 275, 24313-24320.	1.6	5
107	Multiple interaction nodes define the postreplication repair response to UVâ€induced DNA damage that is defective in melanomas and correlated with UV signature mutation load. Molecular Oncology, 2020, 14, 22-41.	2.1	5
108	Liquid Biopsies for Hepatocellular Cancer and Their Potential in Clinical Practice. Hepatology, 2020, 71, 2160-2162.	3.6	5

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109	Expression of CD49f defines subsets of human regulatory TÂcells with divergent transcriptional landscape and function that correlate with ulcerative colitis disease activity. Clinical and Translational Immunology, 2021, 10, e1334.	1.7	5
110	Mass spectrometry analysis for amyloidosis typing - is the future bright for its clinical implementation?. Expert Review of Proteomics, 2017, 14, 565-566.	1.3	4
111	Metaproteomic sample preparation methods bias the recovery of host and microbial proteins according to taxa and cellular compartment. Journal of Proteomics, 2021, 240, 104219.	1.2	4
112	Development of EndoScreen Chip, a Microfluidic Pre-Endoscopy Triage Test for Esophageal Adenocarcinoma. Cancers, 2021, 13, 2865.	1.7	4
113	Addressing Delicate and Variable Cancer Morphology in Spectral Histopathology Using Canine Visceral Hemangiosarcoma. Analytical Chemistry, 2021, 93, 12187-12194.	3.2	4
114	Complement component C9 as a new biomarker for esophageal adenocarcinoma Journal of Clinical Oncology, 2017, 35, 19-19.	0.8	4
115	C5b-9 Membrane Attack Complex Formation andÂExtracellular Vesicle Shedding in Barrett's Esophagus and Esophageal Adenocarcinoma. Frontiers in Immunology, 2022, 13, 842023.	2.2	4
116	Subcellular Localization of MicroRNAs by MicroRNA In Situ Hybridization (miR-ISH). Methods in Molecular Biology, 2019, 2054, 159-169.	0.4	3
117	Antibody-Free Targeted Proteomics Assay for Absolute Measurement of α-Tubulin Acetylation. Analytical Chemistry, 2020, 92, 11204-11212.	3.2	2
118	Candidate Glycoprotein Biomarkers for Canine Visceral Hemangiosarcoma and Validation Using Semi-Quantitative Lectin/Immunohistochemical Assays. Veterinary Sciences, 2021, 8, 38.	0.6	2
119	Statistical Evaluation of Labeled Comparative Profiling Proteomics Experiments Using Permutation Test. Methods in Molecular Biology, 2017, 1549, 109-117.	0.4	2
120	An Individualized Exercise Intervention for People with Multiple Myelomaâ€"Study Protocol of a Randomized Waitlist-Controlled Trial. Current Oncology, 2022, 29, 901-923.	0.9	2
121	To BE or not to BE: non-invasive screening for Barrett's esophagus, dysplasia and adenocarcinoma. Translational Gastroenterology and Hepatology, 2019, 4, 31-31.	1.5	1
122	Ex vivo glucocorticoidâ€induced secreted proteome approach for discovery of glucocorticoidâ€responsive proteins in human serum. Proteomics - Clinical Applications, 2021, 15, 2000078.	0.8	1
123	Differential Regulation of Lacto-/Neolacto-Glycosphingolipid Biosynthesis Pathway Reveals Transcription Factors as Potential Candidates in Triple-Negative Breast Cancer. Cancers, 2021, 13, 3330.	1.7	1
124	Integrative Multi-Omics in Biomedical Research. Biomolecules, 2021, 11, 1527.	1.8	1
125	Abstract 4806: Enhancing the efficacy of tosedostat through carboxylesterase induction. , 2016, , .		0
126	Abstract 4942: Towards a screening blood test for esophageal adenocarcinoma. , 2016, , .		0

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127	Prospecting for prostate cancer with precision medicine. Translational Cancer Research, 2016, 5, S865-S867.	0.4	0
128	Improved Physical Function And Quality Of Life In People With Blood Cancer After An Exercise Intervention. Medicine and Science in Sports and Exercise, 2020, 52, 983-983.	0.2	0
129	SAT-LB136 A Proteomic Approach to Identify Circulating Glucocorticoid Responsive Proteins in Humans. Journal of the Endocrine Society, 2020, 4, .	0.1	0
130	A high-resolution mass spectrometry based proteomic dataset of human regulatory T cells. Data in Brief, 2022, 40, 107687.	0.5	0