

Michelle M Hill

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7723848/michelle-m-hill-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122
papers

5,329
citations

37
h-index

71
g-index

143
ext. papers

6,224
ext. citations

6.5
avg, IF

5.51
L-index

#	Paper	IF	Citations
122	PTRF-Cavin, a conserved cytoplasmic protein required for caveola formation and function. <i>Cell</i> , 2008 , 132, 113-24	56.2	537
121	A role for protein kinase Bbeta/Akt2 in insulin-stimulated GLUT4 translocation in adipocytes. <i>Molecular and Cellular Biology</i> , 1999 , 19, 7771-81	4.8	282
120	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015 , 31, 933-9	7.2	256
119	Clathrin-independent carriers form a high capacity endocytic sorting system at the leading edge of migrating cells. <i>Journal of Cell Biology</i> , 2010 , 190, 675-91	7.3	230
118	Analysis of the composition, assembly kinetics and activity of native Apaf-1 apoptosomes. <i>EMBO Journal</i> , 2004 , 23, 2134-45	13	208
117	MURC/Cavin-4 and cavin family members form tissue-specific caveolar complexes. <i>Journal of Cell Biology</i> , 2009 , 185, 1259-73	7.3	207
116	Inhibition of protein kinase B/Akt. implications for cancer therapy 2002 , 93, 243-51		178
115	Role of intratumoural heterogeneity in cancer drug resistance: molecular and clinical perspectives. <i>EMBO Molecular Medicine</i> , 2012 , 4, 675-84	12	164
114	Intracellular localization of phosphatidylinositide 3-kinase and insulin receptor substrate-1 in adipocytes: potential involvement of a membrane skeleton. <i>Journal of Cell Biology</i> , 1998 , 140, 1211-25	7.3	159
113	Identification of a plasma membrane Raft-associated PKB Ser473 kinase activity that is distinct from ILK and PDK1. <i>Current Biology</i> , 2002 , 12, 1251-5	6.3	156
112	Extracellular vesicles as circulating cancer biomarkers: opportunities and challenges. <i>Clinical and Translational Medicine</i> , 2018 , 7, 14	5.7	117
111	Insulin-stimulated protein kinase B phosphorylation on Ser-473 is independent of its activity and occurs through a staurosporine-insensitive kinase. <i>Journal of Biological Chemistry</i> , 2001 , 276, 25643-6	5.4	107
110	Endocytic crosstalk: cavins, caveolins, and caveolae regulate clathrin-independent endocytosis. <i>PLoS Biology</i> , 2014 , 12, e1001832	9.7	99
109	Caveolae regulate the nanoscale organization of the plasma membrane to remotely control Ras signaling. <i>Journal of Cell Biology</i> , 2014 , 204, 777-92	7.3	95
108	Identification of tyrosine phosphorylation sites on 3-phosphoinositide-dependent protein kinase-1 and their role in regulating kinase activity. <i>Journal of Biological Chemistry</i> , 2001 , 276, 37459-71	5.4	95
107	Arf6-independent GPI-anchored protein-enriched early endosomal compartments fuse with sorting endosomes via a Rab5/phosphatidylinositol-3Kinase-dependent machinery. <i>Molecular Biology of the Cell</i> , 2006 , 17, 3689-704	3.5	93
106	Evolutionary analysis and molecular dissection of caveola biogenesis. <i>Journal of Cell Science</i> , 2008 , 121, 2075-86	5.3	91

105	SAT-LB136 A Proteomic Approach to Identify Circulating Glucocorticoid Responsive Proteins in Humans. <i>Journal of the Endocrine Society</i> , 2020 , 4,	0.4	78
104	Critical role of CAV1/caveolin-1 in cell stress responses in human breast cancer cells via modulation of lysosomal function and autophagy. <i>Autophagy</i> , 2015 , 11, 769-84	10.2	77
103	Intestinal Metaproteomics Reveals Host-Microbiota Interactions in Subjects at Risk for Type 1 Diabetes. <i>Diabetes Care</i> , 2018 , 41, 2178-2186	14.6	73
102	G9a drives hypoxia-mediated gene repression for breast cancer cell survival and tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7077-7082	11.5	72
101	Portrait of a killer: the mitochondrial apoptosome emerges from the shadows. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2003 , 3, 19-26		71
100	Coronin 1B Reorganizes the Architecture of F-Actin Networks for Contractility at Steady-State and Apoptotic Adherens Junctions. <i>Developmental Cell</i> , 2016 , 37, 58-71	10.2	67
99	Cavin-1/PTRF alters prostate cancer cell-derived extracellular vesicle content and internalization to attenuate extracellular vesicle-mediated osteoclastogenesis and osteoblast proliferation. <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4	65
98	Molecular Characterization of Caveolin-induced Membrane Curvature. <i>Journal of Biological Chemistry</i> , 2015 , 290, 24875-90	5.4	60
97	An Electrochemical Method for the Detection of Disease-Specific Exosomes. <i>ChemElectroChem</i> , 2017 , 4, 967-971	4.3	56
96	PTRF-cavin-1 expression decreases the migration of PC3 prostate cancer cells: role of matrix metalloprotease 9. <i>European Journal of Cell Biology</i> , 2011 , 90, 136-42	6.1	55
95	Nucleophosmin and nucleolin regulate K-Ras plasma membrane interactions and MAPK signal transduction. <i>Journal of Biological Chemistry</i> , 2009 , 284, 28410-28419	5.4	55
94	PTRF/cavin-1 neutralizes non-caveolar caveolin-1 microdomains in prostate cancer. <i>Oncogene</i> , 2014 , 33, 3561-70	9.2	54
93	Expression of PTRF in PC-3 Cells modulates cholesterol dynamics and the actin cytoskeleton impacting secretion pathways. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, M111.012245	7.6	50
92	Purification Protocols for Extracellular Vesicles. <i>Methods in Molecular Biology</i> , 2017 , 1660, 111-130	1.4	47
91	Co-regulation of cell polarization and migration by caveolar proteins PTRF/Cavin-1 and caveolin-1. <i>PLoS ONE</i> , 2012 , 7, e43041	3.7	45
90	Modulation of paracrine signaling by CD9 positive small extracellular vesicles mediates cellular growth of androgen deprived prostate cancer. <i>Oncotarget</i> , 2017 , 8, 52237-52255	3.3	43
89	Implementation and evaluation of amyloidosis subtyping by laser-capture microdissection and tandem mass spectrometry. <i>Clinical Proteomics</i> , 2016 , 13, 30	5	43
88	Lectin magnetic bead array for biomarker discovery. <i>Journal of Proteome Research</i> , 2010 , 9, 5496-500	5.6	41

87	Caveola-forming proteins caveolin-1 and PTRF in prostate cancer. <i>Nature Reviews Urology</i> , 2013 , 10, 529-36	4.0	40
86	Two splice variants of protein kinase B gamma have different regulatory capacity depending on the presence or absence of the regulatory phosphorylation site serine 472 in the carboxyl-terminal hydrophobic domain. <i>Journal of Biological Chemistry</i> , 2001 , 276, 29550-8	5.4	37
85	Senescent human hepatocytes express a unique secretory phenotype and promote macrophage migration. <i>World Journal of Gastroenterology</i> , 2014 , 20, 17851-62	5.6	37
84	High-throughput lectin magnetic bead array-coupled tandem mass spectrometry for glycoprotein biomarker discovery. <i>Electrophoresis</i> , 2011 , 32, 3564-75	3.6	35
83	PTRF/Cavin-1 decreases prostate cancer angiogenesis and lymphangiogenesis. <i>Oncotarget</i> , 2013 , 4, 1844-55	4.5	35
82	Progression of Osteosarcoma from a Non-Metastatic to a Metastatic Phenotype Is Causally Associated with Activation of an Autocrine and Paracrine uPA Axis. <i>PLoS ONE</i> , 2015 , 10, e0133592	3.7	34
81	Diet-induced hypercholesterolemia promotes androgen-independent prostate cancer metastasis via IQGAP1 and caveolin-1. <i>Oncotarget</i> , 2015 , 6, 7438-53	3.3	34
80	RaftProt: mammalian lipid raft proteome database. <i>Nucleic Acids Research</i> , 2015 , 43, D335-8	20.1	32
79	Optimizing Size Exclusion Chromatography for Extracellular Vesicle Enrichment and Proteomic Analysis from Clinically Relevant Samples. <i>Proteomics</i> , 2019 , 19, e1800156	4.8	32
78	Total transcriptome, proteome, and allergome of Johnson grass pollen, which is important for allergic rhinitis in subtropical regions. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 135, 133-42	11.5	31
77	Statins: protectors or pretenders in prostate cancer?. <i>Trends in Endocrinology and Metabolism</i> , 2014 , 25, 188-96	8.8	31
76	Reassessing the role of phosphocaveolin-1 in cell adhesion and migration. <i>Traffic</i> , 2007 , 8, 1695-1705	5.7	30
75	lipidr: A Software Tool for Data Mining and Analysis of Lipidomics Datasets. <i>Journal of Proteome Research</i> , 2020 , 19, 2890-2897	5.6	29
74	Identification of intracellular cavin target proteins reveals cavin-PP1alpha interactions regulate apoptosis. <i>Nature Communications</i> , 2019 , 10, 3279	17.4	29
73	Differential impact of caveolae and caveolin-1 scaffolds on the membrane raft proteome. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M110.007146	7.6	29
72	Therapeutic levels of the hydroxymethylglutaryl-coenzyme A reductase inhibitor lovastatin activate ras signaling via phospholipase D2. <i>Molecular and Cellular Biology</i> , 2011 , 31, 1110-20	4.8	29
71	Insulin and oleate promote translocation of inosine-5Smonophosphate dehydrogenase to lipid bodies. <i>Traffic</i> , 2004 , 5, 739-49	5.7	29
70	SseK3 Is a Salmonella Effector That Binds TRIM32 and Modulates the Host's NF-B Signalling Activity. <i>PLoS ONE</i> , 2015 , 10, e0138529	3.7	28

69	Acute high intensity interval exercise reduces colon cancer cell growth. <i>Journal of Physiology</i> , 2019 , 597, 2177-2184	3.9	26
68	Serum Glycoprotein Biomarker Discovery and Qualification Pipeline Reveals Novel Diagnostic Biomarker Candidates for Esophageal Adenocarcinoma. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 3023-39	7.6	26
67	Early diagnostic biomarkers for esophageal adenocarcinoma--the current state of play. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2013 , 22, 1185-209	4	26
66	Spatiotemporal regulation of early lipolytic signaling in adipocytes. <i>Journal of Biological Chemistry</i> , 2009 , 284, 32097-107	5.4	26
65	Enrichment and identification of glycoproteins in human saliva using lectin magnetic bead arrays. <i>Analytical Biochemistry</i> , 2016 , 497, 76-82	3.1	24
64	Enhancing active surveillance of prostate cancer: the potential of exercise medicine. <i>Nature Reviews Urology</i> , 2016 , 13, 258-65	5.5	23
63	Online quantitative proteomics p-value calculator for permutation-based statistical testing of peptide ratios. <i>Journal of Proteome Research</i> , 2014 , 13, 4184-91	5.6	23
62	Tyrosine dephosphorylated cortactin downregulates contractility at the epithelial zonula adherens through SRGAP1. <i>Nature Communications</i> , 2017 , 8, 790	17.4	21
61	Increased lipid metabolism impairs NK cell function and mediates adaptation to the lymphoma environment. <i>Blood</i> , 2020 , 136, 3004-3017	2.2	21
60	Proteomics in molecular diagnosis: typing of amyloidosis. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 754109		18
59	Adipocytes promote prostate cancer stem cell self-renewal through amplification of the cholecystokinin autocrine loop. <i>Oncotarget</i> , 2016 , 7, 4939-48	3.3	18
58	Marizomib suppresses triple-negative breast cancer via proteasome and oxidative phosphorylation inhibition. <i>Theranostics</i> , 2020 , 10, 5259-5275	12.1	17
57	Reducing the cost of semi-automated in-gel tryptic digestion and GeLC sample preparation for high-throughput proteomics. <i>Journal of Proteomics</i> , 2016 , 149, 3-6	3.9	16
56	Non-caveolar caveolin-1 expression in prostate cancer cells promotes lymphangiogenesis. <i>Oncoscience</i> , 2015 , 2, 635-45	0.8	15
55	Serum profile changes in postpartum women with a history of childhood maltreatment: a combined metabolite and lipid fingerprinting study. <i>Scientific Reports</i> , 2018 , 8, 3468	4.9	14
54	Evaluation of Serum Glycoprotein Biomarker Candidates for Detection of Esophageal Adenocarcinoma and Surveillance of Barrett's Esophagus. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 2324-2334	7.6	14
53	Insulin-regulatable phosphoproteins in 3T3-L1 adipocytes form detergent-insoluble complexes not associated with caveolin. <i>Electrophoresis</i> , 1997 , 18, 2629-37	3.6	14
52	Analysis of protein kinase B/Akt. <i>Methods in Enzymology</i> , 2002 , 345, 448-63	1.7	14

51	Electrochemical detection of protein glycosylation using lectin and protein-gold affinity interactions. <i>Analyst, The</i> , 2016 , 141, 2356-61	5	13
50	Urine proteomics study reveals potential biomarkers for the differential diagnosis of cholangiocarcinoma and periductal fibrosis. <i>PLoS ONE</i> , 2019 , 14, e0221024	3.7	13
49	The dominant 55 kDa allergen of the subtropical Bahia grass (<i>Paspalum notatum</i>) pollen is a group 13 pollen allergen, Pas n 13. <i>Molecular Immunology</i> , 2011 , 48, 931-40	4.3	13
48	Lipid mechanisms in hallmarks of cancer. <i>Molecular Omics</i> , 2020 , 16, 6-18	4.4	13
47	In vivo proteomic mapping through GFP-directed proximity-dependent biotin labelling in zebrafish. <i>ELife</i> , 2021 , 10,	8.9	13
46	Overexpression of miRNA-25-3p inhibits Notch1 signaling and TGF- β -induced collagen expression in hepatic stellate cells. <i>Scientific Reports</i> , 2019 , 9, 8541	4.9	12
45	Integrative Analysis of Subcellular Quantitative Proteomics Studies Reveals Functional Cytoskeleton Membrane-Lipid Raft Interactions in Cancer. <i>Journal of Proteome Research</i> , 2016 , 15, 3451-3462	5.6	12
44	Discovery and Qualification of Serum Protein Biomarker Candidates for Cholangiocarcinoma Diagnosis. <i>Journal of Proteome Research</i> , 2019 , 18, 3305-3316	5.6	11
43	Ripples in the pond--using a systems approach to decipher the cellular functions of membrane microdomains. <i>Molecular BioSystems</i> , 2013 , 9, 330-8		11
42	Nucleophosmin and nucleolin regulate K-Ras signaling. <i>Communicative and Integrative Biology</i> , 2010 , 3, 188-90	1.7	11
41	Concurrent lipidomics and proteomics on malignant plasma cells from multiple myeloma patients: Probing the lipid metabolome. <i>PLoS ONE</i> , 2020 , 15, e0227455	3.7	11
40	Electrochemical detection of glycan and protein epitopes of glycoproteins in serum. <i>Analyst, The</i> , 2014 , 139, 5970-6	5	10
39	Rapid Classification of COVID-19 Severity by ATR-FTIR Spectroscopy of Plasma Samples. <i>Analytical Chemistry</i> , 2021 , 93, 10391-10396	7.8	10
38	RaftProt V2: understanding membrane microdomain function through lipid raft proteomes. <i>Nucleic Acids Research</i> , 2019 , 47, D459-D463	20.1	9
37	An inverted CAV1 (caveolin 1) topology defines novel autophagy-dependent exosome secretion from prostate cancer cells. <i>Autophagy</i> , 2021 , 17, 2200-2216	10.2	7
36	Advances and challenges in understanding the role of the lipid raft proteome in human health. <i>Expert Review of Proteomics</i> , 2018 , 15, 1053-1063	4.2	7
35	A primary human T-cell spectral library to facilitate large scale quantitative T-cell proteomics. <i>Scientific Data</i> , 2020 , 7, 412	8.2	6
34	Caveolin-1-driven membrane remodelling regulates hnRNPK-mediated exosomal microRNA sorting in cancer. <i>Clinical and Translational Medicine</i> , 2021 , 11, e381	5.7	6

33	JIP4 is a PLK1 binding protein that regulates p38MAPK activity in G2 phase. <i>Cellular Signalling</i> , 2015 , 27, 2296-303	4.9	5
32	Chronic High-Fat Diet Induces Early Barrett's Esophagus in Mice through Lipidome Remodeling. <i>Biomolecules</i> , 2020 , 10,	5.9	5
31	Liquid Biopsies for Hepatocellular Cancer and Their Potential in Clinical Practice. <i>Hepatology</i> , 2020 , 71, 2160-2162	11.2	5
30	Glyco-centric lectin magnetic bead array (LeMBA) - proteomics dataset of human serum samples from healthy, Barrett's esophagus and esophageal adenocarcinoma individuals. <i>Data in Brief</i> , 2016 , 7, 1058-62	1.2	5
29	Differential protein phosphorylation in 3T3-L1 adipocytes in response to insulin versus platelet-derived growth factor. No evidence for a phosphatidylinositide 3-kinase-independent pathway in insulin signaling. <i>Journal of Biological Chemistry</i> , 2000 , 275, 24313-20	5.4	5
28	Physical Activity in People with Multiple Myeloma: Associated Factors and Exercise Program Preferences. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	5
27	An integrated mass spectrometry imaging and digital pathology workflow for objective detection of colorectal tumours by unique atomic signatures. <i>Chemical Science</i> , 2021 , 12, 10321-10333	9.4	5
26	Iron Inhibits the Secretion of Apolipoprotein E in Cultured Human Adipocytes. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018 , 6, 215-217.e8	7.9	5
25	Antibody-Free Multiplex Measurement of 23 Human Cytokines in Primary Cell Culture Secretome Using Targeted Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 3742-3750	7.8	4
24	Pathophysiological Response to SARS-CoV-2 Infection Detected by Infrared Spectroscopy Enables Rapid and Robust Saliva Screening for COVID-19.. <i>Biomedicine</i> , 2022 , 10,	4.8	3
23	Molecular and functional profiling of apical versus basolateral small extracellular vesicles derived from primary human proximal tubular epithelial cells under inflammatory conditions. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12064	16.4	3
22	Addressing Delicate and Variable Cancer Morphology in Spectral Histopathology Using Canine Visceral Hemangiosarcoma. <i>Analytical Chemistry</i> , 2021 , 93, 12187-12194	7.8	3
21	Subcellular Localization of MicroRNAs by MicroRNA In Situ Hybridization (miR-ISH). <i>Methods in Molecular Biology</i> , 2019 , 2054, 159-169	1.4	2
20	Multiple interaction nodes define the postreplication repair response to UV-induced DNA damage that is defective in melanomas and correlated with UV signature mutation load. <i>Molecular Oncology</i> , 2020 , 14, 22-41	7.9	2
19	The Clinical Impact of Proteomics in Amyloid Typing. <i>Mayo Clinic Proceedings</i> , 2021 , 96, 1122-1127	6.4	2
18	Development of EndoScreen Chip, a Microfluidic Pre-Endoscopy Triage Test for Esophageal Adenocarcinoma. <i>Cancers</i> , 2021 , 13,	6.6	2
17	Antibody-Free Targeted Proteomics Assay for Absolute Measurement of Tubulin Acetylation. <i>Analytical Chemistry</i> , 2020 , 92, 11204-11212	7.8	1
16	Secreted Toxins From Strains Isolated From Keratinocyte Skin Cancers Mediate Pro-tumorigenic Inflammatory Responses in the Skin.. <i>Frontiers in Microbiology</i> , 2021 , 12, 789042	5.7	1

15	Complement component C9 as a new biomarker for esophageal adenocarcinoma.. <i>Journal of Clinical Oncology</i> , 2017 , 35, 19-19	2.2	1
14	Statistical Evaluation of Labeled Comparative Profiling Proteomics Experiments Using Permutation Test. <i>Methods in Molecular Biology</i> , 2017 , 1549, 109-117	1.4	1
13	Ex vivo glucocorticoid-induced secreted proteome approach for discovery of glucocorticoid-responsive proteins in human serum. <i>Proteomics - Clinical Applications</i> , 2021 , 15, e2000078	3.1	1
12	Metaproteomic sample preparation methods bias the recovery of host and microbial proteins according to taxa and cellular compartment. <i>Journal of Proteomics</i> , 2021 , 240, 104219	3.9	1
11	LipidSuite: interactive web server for lipidomics differential and enrichment analysis. <i>Nucleic Acids Research</i> , 2021 , 49, W346-W351	20.1	1
10	Promoting exercise for patients with multiple myeloma: attitudes and practices of clinical haematologists. <i>Journal of Cancer Survivorship</i> , 2021 , 1	5.1	1
9	Expression of CD49f defines subsets of human regulatory T cells with divergent transcriptional landscape and function that correlate with ulcerative colitis disease activity. <i>Clinical and Translational Immunology</i> , 2021 , 10, e1334	6.8	1
8	Detecting antimicrobial resistance in using benchtop attenuated total reflectance-Fourier transform infrared spectroscopy and machine learning. <i>Analyst, The</i> , 2021 , 146, 6211-6219	5	1
7	Candidate Glycoprotein Biomarkers for Canine Visceral Hemangiosarcoma and Validation Using Semi-Quantitative Lectin/Immunohistochemical Assays. <i>Veterinary Sciences</i> , 2021 , 8,	2.4	1
6	An Individualized Exercise Intervention for People with Multiple Myeloma-Study Protocol of a Randomized Waitlist-Controlled Trial.. <i>Current Oncology</i> , 2022 , 29, 901-923	2.8	0
5	Potential Role of Exercise Induced Extracellular Vesicles in Prostate Cancer Suppression. <i>Frontiers in Oncology</i> , 2021 , 11, 746040	5.3	0
4	C5b-9 Membrane Attack Complex Formation and Extracellular Vesicle Shedding in Barrett's Esophagus and Esophageal Adenocarcinoma.. <i>Frontiers in Immunology</i> , 2022 , 13, 842023	8.4	0
3	A high-resolution mass spectrometry based proteomic dataset of human regulatory T cells.. <i>Data in Brief</i> , 2022 , 40, 107687	1.2	
2	Improved Physical Function And Quality Of Life In People With Blood Cancer After An Exercise Intervention. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 983-983	1.2	
1	Elevation of fatty acid desaturase2 in esophageal adenocarcinoma increases polyunsaturated lipids and may exacerbate bile acid-induced DNA damage.. <i>Clinical and Translational Medicine</i> , 2022 , 12, e810	5.7	