

# Paula Meleady

## List of Publications by Citations

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

85  
papers

1,682  
citations

24  
h-index

37  
g-index

86  
ext. papers

1,996  
ext. citations

4.5  
avg, IF

4.77  
L-index

#	Paper	IF	Citations
85	E1 Antitrypsin regulates human neutrophil chemotaxis induced by soluble immune complexes and IL-8. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 4236-50	15.9	191
84	A neutrophil intrinsic impairment affecting Rab27a and degranulation in cystic fibrosis is corrected by CFTR potentiator therapy. <i>Blood</i> , <b>2014</b> , 124, 999-1009	2.2	105
83	Integrated miRNA, mRNA and protein expression analysis reveals the role of post-transcriptional regulation in controlling CHO cell growth rate. <i>BMC Genomics</i> , <b>2012</b> , 13, 656	4.5	68
82	Microarray and proteomics expression profiling identifies several candidates, including the valosin-containing protein (VCP), involved in regulating high cellular growth rate in production CHO cell lines. <i>Biotechnology and Bioengineering</i> , <b>2010</b> , 106, 42-56	4.9	60
81	Differential protein expression following low temperature culture of suspension CHO-K1 cells. <i>BMC Biotechnology</i> , <b>2008</b> , 8, 42	3.5	54
80	Sustained productivity in recombinant Chinese hamster ovary (CHO) cell lines: proteome analysis of the molecular basis for a process-related phenotype. <i>BMC Biotechnology</i> , <b>2011</b> , 11, 78	3.5	53
79	Impact of miR-7 over-expression on the proteome of Chinese hamster ovary cells. <i>Journal of Biotechnology</i> , <b>2012</b> , 160, 251-62	3.7	51
78	Identification of the metabolic alterations associated with the multidrug resistant phenotype in cancer and their intercellular transfer mediated by extracellular vesicles. <i>Scientific Reports</i> , <b>2017</b> , 7, 44541	4.9	47
77	Proteomic profiling of CHO cells with enhanced rhBMP-2 productivity following co-expression of PACEsol. <i>Proteomics</i> , <b>2008</b> , 8, 2611-24	4.8	43
76	Utilization and evaluation of CHO-specific sequence databases for mass spectrometry based proteomics. <i>Biotechnology and Bioengineering</i> , <b>2012</b> , 109, 1386-94	4.9	42
75	Two-Dimensional Gel Electrophoresis and 2D-DIGE. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1664, 3-14	1.4	38
74	Multidrug resistant tumour cells shed more microvesicle-like EVs and less exosomes than their drug-sensitive counterpart cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2016</b> , 1860, 618-27	4	38
73	Label-free mass spectrometric analysis of the mdx-4cv diaphragm identifies the matricellular protein periostin as a potential factor involved in dystrophinopathy-related fibrosis. <i>Proteomics</i> , <b>2015</b> , 15, 2318-31	4.8	37
72	Re-programming CHO cell metabolism using miR-23 tips the balance towards a highly productive phenotype. <i>Biotechnology Journal</i> , <b>2015</b> , 10, 1029-40	5.6	37
71	Proteomic analysis of dystrophin deficiency and associated changes in the aged mdx-4cv heart model of dystrophinopathy-related cardiomyopathy. <i>Journal of Proteomics</i> , <b>2016</b> , 145, 24-36	3.9	34
70	Comparative Label-Free Mass Spectrometric Analysis of Mildly versus Severely Affected mdx Mouse Skeletal Muscles Identifies Annexin, Lamin, and Vimentin as Universal Dystrophic Markers. <i>Molecules</i> , <b>2015</b> , 20, 11317-44	4.8	32
69	Proteomic analysis of the sarcolemma-enriched fraction from dystrophic mdx-4cv skeletal muscle. <i>Journal of Proteomics</i> , <b>2019</b> , 191, 212-227	3.9	28

68	Simultaneous Pathoproteomic Evaluation of the Dystrophin-Glycoprotein Complex and Secondary Changes in the mdx-4cv Mouse Model of Duchenne Muscular Dystrophy. <i>Biology</i> , <b>2015</b> , 4, 397-423	4.9	27
67	Proteomic profiling of mdx-4cv serum reveals highly elevated levels of the inflammation-induced plasma marker haptoglobin in muscular dystrophy. <i>International Journal of Molecular Medicine</i> , <b>2017</b> , 39, 1357-1370	4.4	26
66	Elevated levels of 14-3-3 proteins, serotonin, gamma enolase and pyruvate kinase identified in clinical samples from patients diagnosed with colorectal cancer. <i>Clinica Chimica Acta</i> , <b>2015</b> , 441, 133-41	6.2	26
65	Glycosylation Repurposes Alpha-1 Antitrypsin for Resolution of Community-acquired Pneumonia. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 197, 1346-1349	10.2	26
64	Concurrent Label-Free Mass Spectrometric Analysis of Dystrophin Isoform Dp427 and the Myofibrosis Marker Collagen in Crude Extracts from Skeletal Muscles. <i>Proteomes</i> , <b>2015</b> , 3, 298-327	4.6	25
63	Proteomic profiling of the dystrophin complex and membrane fraction from dystrophic mdx muscle reveals decreases in the cytolinker desmoglein and increases in the extracellular matrix stabilizers biglycan and fibronectin. <i>Journal of Muscle Research and Cell Motility</i> , <b>2017</b> , 38, 251-268	3.5	24
62	Process-relevant concentrations of the leachable bDtbPP impact negatively on CHO cell production characteristics. <i>Biotechnology Progress</i> , <b>2016</b> , 32, 1547-1558	2.8	24
61	Proteomic differences in recombinant CHO cells producing two similar antibody fragments. <i>Biotechnology and Bioengineering</i> , <b>2016</b> , 113, 1902-12	4.9	22
60	Glycosylation patterns of kidney proteins differ in rat diabetic nephropathy. <i>Kidney International</i> , <b>2015</b> , 87, 963-74	9.9	21
59	Rapid charge variant analysis of monoclonal antibodies to support lead candidate biopharmaceutical development. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1095, 166-176	3.2	20
58	Increased outer arm and core fucose residues on the N-glycans of mutated alpha-1 antitrypsin protein from alpha-1 antitrypsin deficient individuals. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 596-605	5.6	20
57	Neutrophil Membrane Cholesterol Content is a Key Factor in Cystic Fibrosis Lung Disease. <i>EBioMedicine</i> , <b>2017</b> , 23, 173-184	8.8	20
56	Residual urinary extracellular vesicles in ultracentrifugation supernatants after hydrostatic filtration dialysis enrichment. <i>Journal of Extracellular Vesicles</i> , <b>2017</b> , 6, 1267896	16.4	20
55	The iron-responsive microsomal proteome of <i>Aspergillus fumigatus</i> . <i>Journal of Proteomics</i> , <b>2016</b> , 136, 99-111	3.9	19
54	Label-free mass spectrometric analysis reveals complex changes in the brain proteome from the mdx-4cv mouse model of Duchenne muscular dystrophy. <i>Clinical Proteomics</i> , <b>2015</b> , 12, 27	5	18
53	Filter-Aided Sample Preparation (FASP) for Improved Proteome Analysis of Recombinant Chinese Hamster Ovary Cells. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1603, 187-194	1.4	17
52	Proteomic profiling of the mouse diaphragm and refined mass spectrometric analysis of the dystrophic phenotype. <i>Journal of Muscle Research and Cell Motility</i> , <b>2019</b> , 40, 9-28	3.5	17
51	Label-free LC-MS analysis of HER2+ breast cancer cell line response to HER2 inhibitor treatment. <i>DARU, Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 23, 40	3.9	16

50	The Expression Pattern of the Phosphoproteome Is Significantly Changed During the Growth Phases of Recombinant CHO Cell Culture. <i>Biotechnology Journal</i> , <b>2018</b> , 13, e1700221	5.6	15
49	Transferrin-bound proteins as potential biomarkers for advanced breast cancer patients. <i>BBA Clinical</i> , <b>2014</b> , 2, 24-30		15
48	Proteomics in uveal melanoma. <i>Experimental Eye Research</i> , <b>2014</b> , 118, 1-12	3.7	15
47	A Comparative Quantitative LC-MS/MS Profiling Analysis of Human Pancreatic Adenocarcinoma, Adjacent-Normal Tissue, and Patient-Derived Tumour Xenografts. <i>Proteomes</i> , <b>2018</b> , 6,	4.6	15
46	Proteomic profiling of liver tissue from the - mouse model of Duchenne muscular dystrophy. <i>Clinical Proteomics</i> , <b>2018</b> , 15, 34	5	15
45	Differential Phosphoproteomic Analysis of Recombinant Chinese Hamster Ovary Cells Following Temperature Shift. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 2339-2358	5.6	14
44	Circulating Truncated Alpha-1 Antitrypsin Glycoprotein in Patient Plasma Retains Anti-Inflammatory Capacity. <i>Journal of Immunology</i> , <b>2019</b> , 202, 2240-2253	5.3	14
43	Metabolomic and proteomic analysis of breast cancer patient samples suggests that glutamate and 12-HETE in combination with CA15-3 may be useful biomarkers reflecting tumour burden. <i>Metabolomics</i> , <b>2015</b> , 11, 620-635	4.7	14
42	Proteogenomic Annotation of Chinese Hamsters Reveals Extensive Novel Translation Events and Endogenous Retroviral Elements. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 2433-2445	5.6	12
41	Novel panel of protein biomarkers to predict response to bortezomib-containing induction regimens in multiple myeloma patients. <i>BBA Clinical</i> , <b>2017</b> , 8, 28-34		12
40	Parallel mRNA, proteomics and miRNA expression analysis in cell line models of the intestine. <i>World Journal of Gastroenterology</i> , <b>2017</b> , 23, 7369-7386	5.6	12
39	2D gel electrophoresis and mass spectrometry identification and analysis of proteins. <i>Methods in Molecular Biology</i> , <b>2011</b> , 784, 123-37	1.4	11
38	Proteomic and cell biological profiling of the renal phenotype of the mdx-4cv mouse model of Duchenne muscular dystrophy. <i>European Journal of Cell Biology</i> , <b>2020</b> , 99, 151059	6.1	11
37	Purification and Identification of Membrane Proteins from Urinary Extracellular Vesicles using Triton X-114 Phase Partitioning. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 86-96	5.6	10
36	Proteome-wide Changes in the mdx-4cv Spleen due to Pathophysiological Cross Talk with Dystrophin-Deficient Skeletal Muscle. <i>IScience</i> , <b>2020</b> , 23, 101500	6.1	10
35	Increased growth rate and productivity following stable depletion of miR-7 in a mAb producing CHO cell line causes an increase in proteins associated with the Akt pathway and ribosome biogenesis. <i>Journal of Proteomics</i> , <b>2019</b> , 195, 23-32	3.9	9
34	Intricate effects of primary motor neuronopathy on contractile proteins and metabolic muscle enzymes as revealed by label-free mass spectrometry. <i>Bioscience Reports</i> , <b>2014</b> , 34,	4.1	9
33	Proteomic profiling of recombinant cells from large-scale mammalian cell culture processes. <i>Cytotechnology</i> , <b>2007</b> , 53, 23-31	2.2	9

32	Protocol for the Bottom-Up Proteomic Analysis of Mouse Spleen. <i>STAR Protocols</i> , <b>2020</b> , 1, 100196	1.4	9
31	Quantitative label-free mass spectrometry analysis of formalin-fixed, paraffin-embedded tissue representing the invasive cutaneous malignant melanoma proteome. <i>Oncology Letters</i> , <b>2016</b> , 12, 3296-3304	3.6	9
30	Depletion of endogenous miRNA-378-3p increases peak cell density of CHO DP12 cells and is correlated with elevated levels of ubiquitin carboxyl-terminal hydrolase 14. <i>Journal of Biotechnology</i> , <b>2018</b> , 288, 30-40	3.7	9
29	Proteomic strategies in the search for novel pancreatic cancer biomarkers and drug targets: recent advances and clinical impact. <i>Expert Review of Proteomics</i> , <b>2016</b> , 13, 383-94	4.2	7
28	Data supporting the shedding of larger extracellular vesicles by multidrug resistant tumour cells. <i>Data in Brief</i> , <b>2016</b> , 6, 1023-7	1.2	7
27	Antitrypsin therapy modulates the neutrophil membrane proteome and secretome. <i>European Respiratory Journal</i> , <b>2020</b> , 55,	13.6	7
26	Transcriptomic analysis of IgG4 Fc-fusion protein degradation in a panel of clonally-derived CHO cell lines using RNASeq. <i>Biotechnology and Bioengineering</i> , <b>2019</b> , 116, 1556-1562	4.9	6
25	Clonal variation in productivity and proteolytic clipping of an Fc-fusion protein in CHO cells: Proteomic analysis suggests a role for defective protein folding and the UPR. <i>Journal of Biotechnology</i> , <b>2018</b> , 281, 21-30	3.7	6
24	Improvements in single-use bioreactor film material composition leads to robust and reliable Chinese hamster ovary cell performance. <i>Biotechnology Progress</i> , <b>2019</b> , 35, e2824	2.8	5
23	Increased mAb production in amplified CHO cell lines is associated with increased interaction of CREB1 with transgene promoter. <i>Current Research in Biotechnology</i> , <b>2019</b> , 1, 49-57	4.8	4
22	LC-MS/MS-based quantitative proteomic and phosphoproteomic analysis of CHO-K1 cells adapted to growth in glutamine-free media. <i>Biotechnology Letters</i> , <b>2020</b> , 42, 2523-2536	3	4
21	Subproteomic profiling of sarcolemma from dystrophic skeletal muscle. <i>Data in Brief</i> , <b>2018</b> , 17, 980-993	1.2	4
20	Utilization of dried and long-term stored polyacrylamide gels for the advanced proteomic profiling of mitochondrial contact sites from rat liver. <i>Biology Methods and Protocols</i> , <b>2018</b> , 3, bpy008	2.4	4
19	Zinc is a key regulator of gastrointestinal development, microbiota composition and inflammation with relevance for autism spectrum disorders.. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 79, 1	10.3	4
18	Phosphopeptide Enrichment and LC-MS/MS Analysis to Study the Phosphoproteome of Recombinant Chinese Hamster Ovary Cells. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1603, 195-208	1.4	3
17	Proteomic analysis of pancreatic ductal adenocarcinoma. <i>Expert Review of Proteomics</i> , <b>2020</b> , 17, 453-467	4.2	3
16	Transfection of miR-31* boosts oxidative phosphorylation metabolism in the mitochondria and enhances recombinant protein production in Chinese hamster ovary cells. <i>Journal of Biotechnology</i> , <b>2021</b> , 333, 86-96	3.7	3
15	Mass Spectrometric Profiling of Extraocular Muscle and Proteomic Adaptations in the Model of Duchenne Muscular Dystrophy. <i>Life</i> , <b>2021</b> , 11,	3	3

14	A proteomic profiling dataset of recombinant Chinese hamster ovary cells showing enhanced cellular growth following miR-378 depletion. <i>Data in Brief</i> , <b>2018</b> , 21, 2679-2688	1.2	3
13	Clinical Proteomics: Liquid Chromatography-Mass Spectrometry (LC-MS) Purification Systems. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1485, 375-388	1.4	2
12	Copper toxicity of inflection point in human intestinal cell line Caco-2 dissected: influence of temporal expression patterns. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2021</b> , 57, 359-371	2.6	2
11	Proteomic profiling of the interface between the stomach wall and the pancreas in dystrophinopathy. <i>European Journal of Translational Myology</i> , <b>2021</b> , 31,	2.1	2
10	Global phosphoproteomic study of high/low specific productivity industrially relevant mAb producing recombinant CHO cell lines. <i>Current Research in Biotechnology</i> , <b>2021</b> , 3, 49-56	4.8	2
9	Dataset on the mass spectrometry-based proteomic profiling of the kidney from wild type and the dystrophic mouse model of X-linked muscular dystrophy. <i>Data in Brief</i> , <b>2020</b> , 28, 105067	1.2	1
8	Characterisation and proteomic profiling of continuously exposed Cu-resistant variants of the Caco-2 cell line. <i>Toxicology in Vitro</i> , <b>2020</b> , 65, 104773	3.6	1
7	Differential expression of miRNAs and functional role of mir-200a in high and low productivity CHO cells expressing an Fc fusion protein. <i>Biotechnology Letters</i> , <b>2021</b> , 43, 1551-1563	3	1
6	The emerging role of cellular post-translational modifications in modulating growth and productivity of recombinant Chinese hamster ovary cells. <i>Biotechnology Advances</i> , <b>2021</b> , 49, 107757	17.8	1
5	Mapping the molecular basis for growth related phenotypes in industrial producer CHO cell lines using differential proteomic analysis. <i>BMC Biotechnology</i> , <b>2021</b> , 21, 43	3.5	1
4	LC-MS proteomic profiling of Caco-2 human intestinal cells exposed to the copper-chelating agent, triethylenetetramine: A preliminary study. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 524, 847-852	3.4	
3	Characterisation of the Tumour Proteome in Primary Extramedullary Multiple Myeloma Identifies Key Proteins Associated with Transendothelial Migration. <i>Blood</i> , <b>2021</b> , 138, 2665-2665	2.2	
2	Phosphoproteomic Analysis of Primary Myeloma Patient Samples Identifies Distinct Phosphorylation Signatures Correlating with Chemo-Sensitivity Profiles in an Ex Vivo Drug Sensitivity Testing Platform. <i>Blood</i> , <b>2021</b> , 138, 2666-2666	2.2	
1	Methods to Study Translated Pseudogenes: Recombinant Expression and Complementation, Targeted Proteomics, and RNA Profiling. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2324, 239-254	1.4	