

Stuart J Cordwell

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118
papers

6,322
citations

43
h-index

76
g-index

122
ext. papers

7,044
ext. citations

5.1
avg. IF

5.49
L-index

#	Paper	IF	Citations
118	Progress with gene-product mapping of the Mollicutes: <i>Mycoplasma genitalium</i> . <i>Electrophoresis</i> , 1995 , 16, 1090-4	3.6	727
117	Simultaneous glycan-peptide characterization using hydrophilic interaction chromatography and parallel fragmentation by CID, higher energy collisional dissociation, and electron transfer dissociation MS applied to the N-linked glycoproteome of <i>Campylobacter jejuni</i> . <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M000031-MCP201	7.6	233
116	Therapeutic inflammatory monocyte modulation using immune-modifying microparticles. <i>Science Translational Medicine</i> , 2014 , 6, 219ra7	17.5	231
115	Proteome research: complementarity and limitations with respect to the RNA and DNA worlds. <i>Electrophoresis</i> , 1997 , 18, 1217-42	3.6	196
114	Complementing genomics with proteomics: the membrane subproteome of <i>Pseudomonas aeruginosa</i> PAO1. <i>Electrophoresis</i> , 2000 , 21, 3797-809	3.6	179
113	A Cortactin-CD2-associated protein (CD2AP) complex provides a novel link between epidermal growth factor receptor endocytosis and the actin cytoskeleton. <i>Journal of Biological Chemistry</i> , 2003 , 278, 21805-13	5.4	173
112	Global analysis of outer membrane proteins from <i>Leptospira interrogans</i> serovar Lai. <i>Infection and Immunity</i> , 2002 , 70, 2311-8	3.7	156
111	Identification of a general O-linked protein glycosylation system in <i>Acinetobacter baumannii</i> and its role in virulence and biofilm formation. <i>PLoS Pathogens</i> , 2012 , 8, e1002758	7.6	148
110	Beyond gene expression: the impact of protein post-translational modifications in bacteria. <i>Journal of Proteomics</i> , 2014 , 97, 265-86	3.9	133
109	Site-specific glycan-peptide analysis for determination of N-glycoproteome heterogeneity. <i>Journal of Proteome Research</i> , 2013 , 12, 5791-800	5.6	130
108	Subproteomics based upon protein cellular location and relative solubilities in conjunction with composite two-dimensional electrophoresis gels. <i>Electrophoresis</i> , 2000 , 21, 1094-103	3.6	127
107	Cross-species identification of proteins separated by two-dimensional gel electrophoresis using matrix-assisted laser desorption ionisation/time-of-flight mass spectrometry and amino acid composition. <i>Electrophoresis</i> , 1995 , 16, 438-43	3.6	121
106	Graphite powder as an alternative or supplement to reversed-phase material for desalting and concentration of peptide mixtures prior to matrix-assisted laser desorption/ionization-mass spectrometry. <i>Proteomics</i> , 2002 , 2, 1277-87	4.8	120
105	Proteome analysis of extracellular proteins regulated by the las and rhl quorum sensing systems in <i>Pseudomonas aeruginosa</i> PAO1. <i>Microbiology (United Kingdom)</i> , 2003 , 149, 1311-1322	2.9	111
104	A novel method for the simultaneous enrichment, identification, and quantification of phosphopeptides and sialylated glycopeptides applied to a temporal profile of mouse brain development. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 1191-202	7.6	100
103	Surface analyses and immune reactivities of major cell wall-associated proteins of group a streptococcus. <i>Infection and Immunity</i> , 2005 , 73, 3137-46	3.7	91
102	Proteolytic processing of the <i>Mycoplasma hyopneumoniae</i> cilium adhesin. <i>Infection and Immunity</i> , 2004 , 72, 2791-802	3.7	90

101	Quantitative N-linked glycoproteomics of myocardial ischemia and reperfusion injury reveals early remodeling in the extracellular environment. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M110.006833	7.6	89
100	Proteomics of ischemia/reperfusion injury in rabbit myocardium reveals alterations to proteins of essential functional systems. <i>Proteomics</i> , 2005 , 5, 1395-410	4.8	89
99	Comparative proteomics of bacterial pathogens. <i>Proteomics</i> , 2001 , 1, 461-72	4.8	89
98	Functions of the CckA histidine kinase in <i>Caulobacter</i> cell cycle control. <i>Molecular Microbiology</i> , 2003 , 47, 1279-90	4.1	88
97	Technologies for plasma membrane proteomics. <i>Proteomics</i> , 2010 , 10, 611-27	4.8	83
96	Proteomic comparison of membrane and extracellular proteins from invasive (PAO1) and cytotoxic (6206) strains of <i>Pseudomonas aeruginosa</i> . <i>Proteomics</i> , 2002 , 2, 1325-46	4.8	81
95	P159 is a proteolytically processed, surface adhesin of <i>Mycoplasma hyopneumoniae</i> : defined domains of P159 bind heparin and promote adherence to eukaryote cells. <i>Molecular Microbiology</i> , 2006 , 60, 669-86	4.1	80
94	Structural basis for phosphorylation and lysine acetylation cross-talk in a kinase motif associated with myocardial ischemia and cardioprotection.. <i>Journal of Biological Chemistry</i> , 2014 , 289, 33875	5.4	78
93	Improved accuracy of cell surface shaving proteomics in <i>Staphylococcus aureus</i> using a false-positive control. <i>Proteomics</i> , 2010 , 10, 2037-49	4.8	77
92	Comparative proteomics of <i>Staphylococcus aureus</i> and the response of methicillin-resistant and methicillin-sensitive strains to Triton X-100. <i>Microbiology (United Kingdom)</i> , 2002 , 148, 2765-2781	2.9	76
91	Identification of type II and type III pyoverdine receptors from <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2003 , 149, 821-831	2.9	75
90	Technologies for bacterial surface proteomics. <i>Current Opinion in Microbiology</i> , 2006 , 9, 320-9	7.9	74
89	Identification of membrane-associated proteins from <i>Campylobacter jejuni</i> strains using complementary proteomics technologies. <i>Proteomics</i> , 2008 , 8, 122-39	4.8	69
88	Current methodologies for proteomics of bacterial surface-exposed and cell envelope proteins. <i>Proteomics</i> , 2011 , 11, 3169-89	4.8	64
87	Strategies for the enrichment and identification of basic proteins in proteome projects. <i>Proteomics</i> , 2003 , 3, 569-79	4.8	64
86	Diversity in the protein N-glycosylation pathways within the <i>Campylobacter</i> genus. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 1203-19	7.6	63
85	Abnormal pathways in the genu of the corpus callosum in schizophrenia pathogenesis: a proteome study. <i>Proteomics - Clinical Applications</i> , 2007 , 1, 1291-305	3.1	63
84	The role of proteomics in clinical cardiovascular biomarker discovery. <i>Molecular and Cellular Proteomics</i> , 2008 , 7, 1824-37	7.6	60

83	Functional decorations: post-translational modifications and heart disease delineated by targeted proteomics. <i>Genome Medicine</i> , 2013 , 5, 20	14.4	59
82	Mhp493 (P216) is a proteolytically processed, cilium and heparin binding protein of <i>Mycoplasma hyopneumoniae</i> . <i>Molecular Microbiology</i> , 2009 , 71, 566-82	4.1	55
81	Modification of the <i>Campylobacter jejuni</i> N-linked glycan by EptC protein-mediated addition of phosphoethanolamine. <i>Journal of Biological Chemistry</i> , 2012 , 287, 29384-96	5.4	53
80	Proteomics of <i>Staphylococcus aureus</i> --current state and future challenges. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003 , 787, 179-95	3.2	52
79	Comparative transcriptional and translational analysis of leptospiral outer membrane protein expression in response to temperature. <i>PLoS Neglected Tropical Diseases</i> , 2009 , 3, e560	4.8	49
78	Cellular and extracellular proteome analysis of <i>Streptococcus mutans</i> grown in a chemostat. <i>Proteomics</i> , 2003 , 3, 627-46	4.8	49
77	Proteome analysis of <i>Spiroplasma melliferum</i> (A56) and protein characterisation across species boundaries. <i>Electrophoresis</i> , 1997 , 18, 1335-46	3.6	46
76	Purification and identification of O-GlcNAc-modified peptides using phosphate-based alkyne CLICK chemistry in combination with titanium dioxide chromatography and mass spectrometry. <i>Journal of Proteome Research</i> , 2011 , 10, 1449-58	5.6	44
75	Characterization of reaction conditions providing rapid and specific cysteine alkylation for peptide-based mass spectrometry. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 372-9	4	42
74	Comparison of predicted and observed properties of proteins encoded in the genome of <i>Mycobacterium tuberculosis</i> H37Rv. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 253, 70-9	3.4	42
73	Conserved anchorless surface proteins as group A streptococcal vaccine candidates. <i>Journal of Molecular Medicine</i> , 2012 , 90, 1197-207	5.5	40
72	Sequence TTKF ? QE defines the site of proteolytic cleavage in Mhp683 protein, a novel glycosaminoglycan and cilium adhesin of <i>Mycoplasma hyopneumoniae</i> . <i>Journal of Biological Chemistry</i> , 2011 , 286, 41217-41229	5.4	40
71	Structural basis for phosphorylation and lysine acetylation cross-talk in a kinase motif associated with myocardial ischemia and cardioprotection. <i>Journal of Biological Chemistry</i> , 2014 , 289, 25890-906	5.4	38
70	Role of group A <i>Streptococcus</i> HtrA in the maturation of SpeB protease. <i>Proteomics</i> , 2007 , 7, 4488-98	4.8	38
69	Modifications of myosin-regulatory light chain correlate with function of stunned myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2003 , 35, 833-40	5.8	38
68	Proteomics Reveals Multiple Phenotypes Associated with N-linked Glycosylation in. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 715-734	7.6	38
67	Diverse Peptide Hormones Affecting Root Growth Identified in the Secreted Peptidome. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 160-174	7.6	37
66	Comparative proteomics and glycoproteomics reveal increased N-linked glycosylation and relaxed sequon specificity in <i>Campylobacter jejuni</i> NCTC11168 O. <i>Journal of Proteome Research</i> , 2014 , 13, 5136-50 ⁶	5.6	37

65	Mass spectrometric characterization of the surface-associated 42 kDa lipoprotein JlpA as a glycosylated antigen in strains of <i>Campylobacter jejuni</i> . <i>Journal of Proteome Research</i> , 2009 , 8, 4654-64	5.6	36
64	Proteomic identification of putative plasmodesmatal proteins from <i>Chara corallina</i> . <i>Proteomics</i> , 2005 , 5, 2866-75	4.8	36
63	Characterisation of basic proteins from <i>Spiroplasma melliferum</i> using novel immobilised pH gradients. <i>Electrophoresis</i> , 1997 , 18, 1393-8	3.6	34
62	Proteomics of <i>Pseudomonas aeruginosa</i> Australian epidemic strain 1 (AES-1) cultured under conditions mimicking the cystic fibrosis lung reveals increased iron acquisition via the siderophore pyochelin. <i>Journal of Proteome Research</i> , 2012 , 11, 776-95	5.6	33
61	Proteomic profiling of <i>Pseudomonas aeruginosa</i> AES-1R, PAO1 and PA14 reveals potential virulence determinants associated with a transmissible cystic fibrosis-associated strain. <i>BMC Microbiology</i> , 2012 , 12, 16	4.5	32
60	Malate/lactate dehydrogenase in mollicutes: evidence for a multienzyme protein. <i>Gene</i> , 1997 , 195, 113-208		32
59	Altered proteins of the anterior cingulate cortex white matter proteome in schizophrenia. <i>Proteomics - Clinical Applications</i> , 2007 , 1, 157-66	3.1	32
58	Ischemia-specific phosphorylation and myofilament translocation of heat shock protein 27 precedes alpha B-crystallin and occurs independently of reactive oxygen species in rabbit myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 40, 761-74	5.8	32
57	Large-scale capture of peptides containing reversibly oxidized cysteines by thiol-disulfide exchange applied to the myocardial redox proteome. <i>Analytical Chemistry</i> , 2013 , 85, 3774-80	7.8	31
56	Immunoproteomics to examine cystic fibrosis host interactions with extracellular <i>Pseudomonas aeruginosa</i> proteins. <i>Infection and Immunity</i> , 2008 , 76, 4624-32	3.7	31
55	<i>Staphylococcus aureus</i> surface proteins involved in adaptation to oxacillin identified using a novel cell shaving approach. <i>Journal of Proteome Research</i> , 2014 , 13, 2954-72	5.6	29
54	Anti-tropomyosin antibodies co-localise with actin microfilaments and label plasmodesmata. <i>European Journal of Cell Biology</i> , 2009 , 88, 357-69	6.1	29
53	Effects of chronic risperidone treatment on the striatal protein profiles in rats. <i>Brain Research</i> , 2006 , 1113, 24-32	3.7	29
52	Proteomics of ischemia and reperfusion injuries in rabbit myocardium with and without intervention by an oxygen-free radical scavenger. <i>Proteomics</i> , 2006 , 6, 6221-33	4.8	29
51	Construction and evaluation of a plasmid vector for the expression of recombinant lipoproteins in <i>Escherichia coli</i> . <i>Plasmid</i> , 2003 , 49, 18-29	3.3	28
50	Global analysis of myocardial peptides containing cysteines with irreversible sulfinic and sulfonic acid post-translational modifications. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 609-20	7.6	27
49	A proteomic approach to the identification and characterisation of protein composition in wheat germ. <i>Functional and Integrative Genomics</i> , 2006 , 6, 322-37	3.8	27
48	Proteomic Identification of Putative MicroRNA394 Target Genes in <i>Arabidopsis thaliana</i> Identifies Major Latex Protein Family Members Critical for Normal Development. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 2033-47	7.6	26

47	Mass spectrometric characterization of the <i>Campylobacter jejuni</i> adherence factor CadF reveals post-translational processing that removes immunogenicity while retaining fibronectin binding. <i>Proteomics</i> , 2010 , 10, 277-88	4.8	26
46	A proteome analysis of the dorsolateral prefrontal cortex in human alcoholic patients. <i>Proteomics - Clinical Applications</i> , 2007 , 1, 62-72	3.1	26
45	Cellular targets of the myeloperoxidase-derived oxidant hypothiocyanous acid (HOSCN) and its role in the inhibition of glycolysis in macrophages. <i>Free Radical Biology and Medicine</i> , 2016 , 94, 88-98	7.8	25
44	Proteome analysis of <i>Helicobacter pylori</i> : major proteins of type strain NCTC 11637. <i>Pathology</i> , 2001 , 33, 365-374	1.6	25
43	Evaluation of algorithms used for cross-species proteome characterisation. <i>Electrophoresis</i> , 1997 , 18, 1410-7	3.6	24
42	<i>Pseudomonas aeruginosa</i> AES-1 exhibits increased virulence gene expression during chronic infection of cystic fibrosis lung. <i>PLoS ONE</i> , 2011 , 6, e24526	3.7	22
41	Conserved motifs as the basis for recognition of homologous proteins across species boundaries using peptide-mass fingerprinting. <i>Journal of Mass Spectrometry</i> , 1997 , 32, 370-8	2.2	21
40	The nuclear proteome and DNA-binding fraction of human Raji lymphoma cells. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007 , 1774, 413-32	4	21
39	Mitochondria: A mirror into cellular dysfunction in heart disease. <i>Proteomics - Clinical Applications</i> , 2008 , 2, 845-61	3.1	20
38	Proteomics of the oxidative stress response induced by hydrogen peroxide and paraquat reveals a novel AhpC-like protein in <i>Pseudomonas aeruginosa</i> . <i>Proteomics</i> , 2011 , 11, 3056-69	4.8	19
37	Sequential extraction of proteins by chemical reagents. <i>Methods in Molecular Biology</i> , 2008 , 424, 139-46	1.4	19
36	Phosphorylation of Krüppel-like factor 3 (KLF3/BKLF) and C-terminal binding protein 2 (CtBP2) by homeodomain-interacting protein kinase 2 (HIPK2) modulates KLF3 DNA binding and activity. <i>Journal of Biological Chemistry</i> , 2015 , 290, 8591-605	5.4	18
35	Modulation of gene expression by <i>Pseudomonas aeruginosa</i> during chronic infection in the adult cystic fibrosis lung. <i>Microbiology (United Kingdom)</i> , 2013 , 159, 2354-2363	2.9	17
34	Release of tissue-specific proteins into coronary perfusate as a model for biomarker discovery in myocardial ischemia/reperfusion injury. <i>Journal of Proteome Research</i> , 2012 , 11, 2114-26	5.6	17
33	The microbial proteome database--an automated laboratory catalogue for monitoring protein expression in bacteria. <i>Electrophoresis</i> , 1999 , 20, 3580-8	3.6	16
32	Acquisition and archiving of information for bacterial proteomics: from sample preparation to database. <i>Methods in Enzymology</i> , 2002 , 358, 207-27	1.7	15
31	Comparative analysis of <i>Staphylococcus epidermidis</i> strains utilizing quantitative and cell surface shaving proteomics. <i>Journal of Proteomics</i> , 2016 , 130, 190-9	3.9	14
30	Human macrophage cathepsin B-mediated C-terminal cleavage of apolipoprotein A-I at Ser228 severely impairs antiatherogenic capacity. <i>FASEB Journal</i> , 2016 , 30, 4239-4255	0.9	14

29	Secretome of transmissible <i>Pseudomonas aeruginosa</i> AES-1R grown in a cystic fibrosis lung-like environment. <i>Journal of Proteome Research</i> , 2013 , 12, 5357-69	5.6	14
28	Characterization of a locus encoding four paralogous outer membrane lipoproteins of <i>Brachyspira hyodysenteriae</i> . <i>Microbes and Infection</i> , 2003 , 5, 275-83	9.3	14
27	<i>Campylobacter</i> proteomics: guidelines, challenges and future perspectives. <i>Expert Review of Proteomics</i> , 2009 , 6, 61-74	4.2	13
26	Characterization of disulfide (cystine) oxidation by HOCl in a model peptide: Evidence for oxygen addition, disulfide bond cleavage and adduct formation with thiols. <i>Free Radical Biology and Medicine</i> , 2020 , 154, 62-74	7.8	12
25	Functional analysis of the <i>Helicobacter pullorum</i> N-linked protein glycosylation system. <i>Glycobiology</i> , 2018 , 28, 233-244	5.8	11
24	Phosphoproteomic profiling of the myocyte. <i>Circulation: Cardiovascular Genetics</i> , 2011 , 4, 575		11
23	Proteomics of bacterial pathogens: <i>Pseudomonas aeruginosa</i> infections in cystic fibrosis - a case study. <i>Proteomics - Clinical Applications</i> , 2010 , 4, 228-48	3.1	10
22	Enrichment and identification of bacterial glycopeptides by mass spectrometry. <i>Methods in Molecular Biology</i> , 2015 , 1295, 355-68	1.4	10
21	Identifying the targets and functions of N-linked protein glycosylation in <i>Campylobacter jejuni</i> . <i>Molecular Omics</i> , 2020 , 16, 287-304	4.4	8
20	When does a fingerprint constitute a diagnostic?. <i>Lancet, The</i> , 2006 , 368, 971-3	4.0	8
19	A Global Profile of Reversible and Irreversible Cysteine Redox Post-Translational Modifications During Myocardial Ischemia/Reperfusion Injury and Antioxidant Intervention. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 11-31	8.4	8
18	Therapeutic Inhibition of Acid-Sensing Ion Channel 1a Recovers Heart Function After Ischemia-Reperfusion Injury. <i>Circulation</i> , 2021 , 144, 947-960	16.7	8
17	Enhancing the stability of adalimumab by engineering additional glycosylation motifs. <i>International Journal of Biological Macromolecules</i> , 2020 , 158, 189-196	7.9	7
16	Exploring and exploiting bacterial proteomes. <i>Methods in Molecular Biology</i> , 2004 , 266, 115-35	1.4	7
15	The major surface Vsp proteins of <i>Brachyspira hyodysenteriae</i> form antigenic protein complexes. <i>Veterinary Microbiology</i> , 2011 , 149, 157-62	3.3	6
14	Homogentisate 1-2-Dioxygenase Downregulation in the Chronic Persistence of <i>Pseudomonas aeruginosa</i> Australian Epidemic Strain-1 in the CF Lung. <i>PLoS ONE</i> , 2015 , 10, e0134229	3.7	6
13	Assigning a role for chemosensory signal transduction in <i>Campylobacter jejuni</i> biofilms using a combined omics approach. <i>Scientific Reports</i> , 2020 , 10, 6829	4.9	5
12	Proteomics of Growth in Deoxycholate Reveals Cj0025c as a Cystine Transport Protein Required for Wild-type Human Infection Phenotypes. <i>Molecular and Cellular Proteomics</i> , 2020 , 19, 1263-1280	7.6	4

11	Cell Shaving and False-Positive Control Strategies Coupled to Novel Statistical Tools to Profile Gram-Positive Bacterial Surface Proteomes. <i>Methods in Molecular Biology</i> , 2016 , 1440, 47-55	1.4	4
10	Optimal Preparation of Formalin Fixed Samples for Peptide Based Matrix Assisted Laser Desorption/Ionization Mass Spectrometry Imaging Workflows. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	3
9	Application of proteomics to <i>Pseudomonas aeruginosa</i> . <i>Advances in Biochemical Engineering/Biotechnology</i> , 2003 , 83, 117-40	1.7	3
8	Statistical analysis of image data provided by two-dimensional gel electrophoresis for discovery proteomics. <i>Methods in Molecular Medicine</i> , 2008 , 141, 271-85		3
7	Subproteomics based upon protein cellular location and relative solubilities in conjunction with composite two-dimensional electrophoresis gels 2000 , 21, 1094		3
6	Multi-omics of a pre-clinical model of diabetic cardiomyopathy reveals increased fatty acid supply impacts mitochondrial metabolic selectivity. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 164, 92-108	5.8	1
5	11 Isoelectric focusing and proteomics. <i>Separation Science and Technology</i> , 2005 , 247-264	1.7	0
4	A novel phosphoproteomic landscape evoked in response to type I interferon in the brain and in glial cells. <i>Journal of Neuroinflammation</i> , 2021 , 18, 237	10.1	0
3	Proteome Analysis of Outer Membrane and Extracellular Proteins from <i>Pseudomonas aeruginosa</i> for Vaccine Discovery 2005 , 285-304		
2	Exploiting Oligosaccharyltransferase-Positive and -Negative and a Multiprotease Digestion Strategy to Identify Novel Sites Modified by N-Linked Protein Glycosylation. <i>Journal of Proteome Research</i> , 2021 , 20, 4995-5009	5.6	
1	Integrated mass spectrometry-based multi-omics for elucidating mechanisms of bacterial virulence. <i>Biochemical Society Transactions</i> , 2021 , 49, 1905-1926	5.1	