

Richard D Smith

List of Publications by Year in Descending Order

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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.

1,308
papers

80,359
citations

132
h-index

204
g-index

1,377
ext. papers

89,568
ext. citations

6.9
avg, IF

7.86
L-index

#	Paper	IF	Citations
1308	Determining protein polarization proteome-wide using physical dissection of individual <i>Stentor coeruleus</i> cells.. <i>Current Biology</i> , 2022 ,	6.3	1
1307	Combined carbon and health taxes outperform single-purpose information or fiscal measures in designing sustainable food policies. <i>Nature Food</i> , 2022 , 3, 331-340	14.4	0
1306	Measurement and Theory of Gas-Phase Ion Mobility Shifts Resulting from Isotopomer Mass Distribution Changes. <i>Analytical Chemistry</i> , 2021 , 93, 14966-14975	7.8	2
1305	Escaping the Red Queen: Health as a corporate food marketing strategy. <i>SSM - Population Health</i> , 2021 , 16, 100953	3.8	
1304	High-throughput and high-efficiency sample preparation for single-cell proteomics using a nested nanowell chip. <i>Nature Communications</i> , 2021 , 12, 6246	17.4	8
1303	Mass spectrometry-based targeted proteomics for analysis of protein mutations. <i>Mass Spectrometry Reviews</i> , 2021 , e21741	11	1
1302	Have socio-economic inequalities in sugar purchasing widened? A longitudinal analysis of food and beverage consumer data from British households, 2014-2017. <i>Public Health Nutrition</i> , 2021 , 24, 1583-1594	3.3	0
1301	Corporate power and the international trade regime preventing progressive policy action on non-communicable diseases: a realist review. <i>Health Policy and Planning</i> , 2021 , 36, 493-508	3.4	10
1300	Changes in soft drinks purchased by British households associated with the UK soft drinks industry levy: controlled interrupted time series analysis. <i>BMJ, The</i> , 2021 , 372, n254	5.9	30
1299	Dynamic Time-Warping Correction for Shifts in Ultrahigh Resolving Power Ion Mobility Spectrometry and Structures for Lossless Ion Manipulations. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 996-1007	3.5	5
1298	Proteogenomic and metabolomic characterization of human glioblastoma. <i>Cancer Cell</i> , 2021 , 39, 509-528	14.3	71
1297	From Plants to Ants: Fungal Modification of Leaf Lipids for Nutrition and Communication in the Leaf-Cutter Ant Fungal Garden Ecosystem. <i>MSystems</i> , 2021 , 6,	7.6	5
1296	Nutritional markers and proteome in patients undergoing treatment for pulmonary tuberculosis differ by geographic region. <i>PLoS ONE</i> , 2021 , 16, e0250586	3.7	1
1295	AutoCCS: Automated collision cross section calculation software for ion mobility spectrometry-mass spectrometry. <i>Bioinformatics</i> , 2021 ,	7.2	5
1294	Evaluation of Waveform Profiles for Traveling Wave Ion Mobility Separations in Structures for Lossless Ion Manipulations. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 225-236	3.5	2
1293	The political economy of sugar-sweetened beverage taxation in Latin America: lessons from Mexico, Chile and Colombia. <i>Globalization and Health</i> , 2021 , 17, 5	10	10
1292	Mass Spectrometry-Based Proteomics for Analysis of Hydrophilic Phosphopeptides. <i>Methods in Molecular Biology</i> , 2021 , 2259, 247-257	1.4	

1291	Global-scale action in health: a common language is a critical starting point to bolster global health financing. <i>Health Policy and Planning</i> , 2021 , 36, 227	3.4	
1290	Identification of Cryptic Binding Sites Using MixMD with Standard and Accelerated Molecular Dynamics. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 1287-1299	6.1	7
1289	Surfactant-assisted one-pot sample preparation for label-free single-cell proteomics. <i>Communications Biology</i> , 2021 , 4, 265	6.7	6
1288	Single-use plastic and COVID-19 in the NHS: Barriers and opportunities. <i>Journal of Public Health Research</i> , 2021 ,	2.2	1
1287	A proteogenomic portrait of lung squamous cell carcinoma. <i>Cell</i> , 2021 , 184, 4348-4371.e40	56.2	15
1286	A Preprocessing Tool for Enhanced Ion Mobility-Mass Spectrometry-Based Omics Workflows. <i>Journal of Proteome Research</i> , 2021 ,	5.6	11
1285	Unfolded Protein Response Inhibition Reduces Middle East Respiratory Syndrome Coronavirus-Induced Acute Lung Injury. <i>MBio</i> , 2021 , 12, e0157221	7.8	1
1284	Facile One-Pot Nanoproteomics for Label-Free Proteome Profiling of 50-1000 Mammalian Cells. <i>Journal of Proteome Research</i> , 2021 , 20, 4452-4461	5.6	0
1283	Proteogenomic characterization of pancreatic ductal adenocarcinoma. <i>Cell</i> , 2021 , 184, 5031-5052.e26	56.2	26
1282	Improving Signal to Noise Ratios in Ion Mobility Spectrometry and Structures for Lossless Ion Manipulations (SLIM) using a High Dynamic Range Analog-to-Digital Converter. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 2698-2706	3.5	
1281	Rational policymaking during a pandemic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	19
1280	Like parent, like child: a cross-sectional study of intra-household consumption patterns of non-alcoholic beverages among British households with children.. <i>Public Health Nutrition</i> , 2021 , 1-22	3.3	0
1279	What role should the commercial food system play in promoting health through better diet?. <i>BMJ, The</i> , 2020 , 368, m545	5.9	19
1278	Proteomic Tissue-Based Classifier for Early Prediction of Prostate Cancer Progression. <i>Cancers</i> , 2020 , 12,	6.6	4
1277	Ultra-High-Resolution Ion Mobility Separations Over Extended Path Lengths and Mobility Ranges Achieved using a Multilevel Structures for Lossless Ion Manipulations Module. <i>Analytical Chemistry</i> , 2020 , 92, 7972-7979	7.8	21
1276	Reducing consumption of unhealthy foods and beverages through banning price promotions: what is the evidence and will it work?. <i>Public Health Nutrition</i> , 2020 , 23, 2228-2233	3.3	6
1275	Comprehensive characterization of hepatocyte-derived extracellular vesicles identifies direct miRNA-based regulation of hepatic stellate cells and DAMP-based hepatic macrophage IL-1 β and IL-17 upregulation in alcoholic hepatitis mice. <i>Journal of Molecular Medicine</i> , 2020 , 98, 1021-1034	5.5	10
1274	Rapid and Simultaneous Characterization of Drug Conjugation in Heavy and Light Chains of a Monoclonal Antibody Revealed by High-Resolution Ion Mobility Separations in SLIM. <i>Analytical Chemistry</i> , 2020 , 92, 5004-5012	7.8	11

1273	Picoflow Liquid Chromatography-Mass Spectrometry for Ultrasensitive Bottom-Up Proteomics Using 2- μ m i.d. Open Tubular Columns. <i>Analytical Chemistry</i> , 2020 , 92, 4711-4715	7.8	25
1272	National Cancer Institute Think-Tank Meeting Report on Proteomic Cartography and Biomarkers at the Single-Cell Level: Interrogation of Premalignant Lesions. <i>Journal of Proteome Research</i> , 2020 , 19, 1900-1912	5.6	4
1271	Automated Coupling of Nanodroplet Sample Preparation with Liquid Chromatography-Mass Spectrometry for High-Throughput Single-Cell Proteomics. <i>Analytical Chemistry</i> , 2020 , 92, 10588-10596	7.8	38
1270	Proteogenomic Characterization Reveals Therapeutic Vulnerabilities in Lung Adenocarcinoma. <i>Cell</i> , 2020 , 182, 200-225.e35	56.2	139
1269	An analysis of the stock market reaction to the announcements of the UK Soft Drinks Industry Levy. <i>Economics and Human Biology</i> , 2020 , 38, 100834	2.6	8
1268	Proteogenomic Characterization of Endometrial Carcinoma. <i>Cell</i> , 2020 , 180, 729-748.e26	56.2	122
1267	Is the rise of crowdfunding for medical expenses in the United Kingdom symptomatic of systemic gaps in health and social care?. <i>Journal of Health Services Research and Policy</i> , 2020 , 25, 181-186	2.4	6
1266	An Improved Boosting to Amplify Signal with Isobaric Labeling (iBASIL) Strategy for Precise Quantitative Single-cell Proteomics. <i>Molecular and Cellular Proteomics</i> , 2020 , 19, 828-838	7.6	63
1265	The impact of UK soft drinks industry levy on manufacturers' domestic turnover. <i>Economics and Human Biology</i> , 2020 , 37, 100866	2.6	5
1264	Anticipatory changes in British household purchases of soft drinks associated with the announcement of the Soft Drinks Industry Levy: A controlled interrupted time series analysis. <i>PLoS Medicine</i> , 2020 , 17, e1003269	11.6	5
1263	Will More of the Same Achieve Malaria Elimination? Results from an Integrated Macroeconomic Epidemiological Demographic Model. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 103, 1874-1882	3.2	3
1262	Carrier-assisted One-pot Sample Preparation for Targeted Proteomics Analysis of Small Numbers of Human Cells. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	2
1261	A Systems Thinking Approach to Inform Coherent Policy Action for NCD Prevention Comment on "How Neoliberalism Is Shaping the Supply of Unhealthy Commodities and What This Means for NCD Prevention". <i>International Journal of Health Policy and Management</i> , 2020 , 9, 212-214	2.5	3
1260	Meta-analysis of peptides to detect protein significance. <i>Statistics and Its Interface</i> , 2020 , 13, 465-474	0.4	
1259	The impact of Covid-19, associated behaviours and policies on the UK economy: A computable general equilibrium model. <i>SSM - Population Health</i> , 2020 , 12, 100651	3.8	36
1258	Proteogenomic Landscape of Breast Cancer Tumorigenesis and Targeted Therapy. <i>Cell</i> , 2020 , 183, 1436-1456.e31	56.2	131
1257	Integrated Proteogenomic Characterization across Major Histological Types of Pediatric Brain Cancer. <i>Cell</i> , 2020 , 183, 1962-1985.e31	56.2	45
1256	Assessing Collision Cross Section Calibration Strategies for Traveling Wave-Based Ion Mobility Separations in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2020 , 92, 14976-14982	7.8	11

1255	Ion Mobility Spectrometry with High Ion Utilization Efficiency Using Traveling Wave-Based Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2020 , 92, 14930-14938	7.8	7
1254	Integrated Proteomic and Glycoproteomic Characterization of Human High-Grade Serous Ovarian Carcinoma. <i>Cell Reports</i> , 2020 , 33, 108276	10.6	33
1253	Proteomic assessment of serum biomarkers of longevity in older men. <i>Aging Cell</i> , 2020 , 19, e13253	9.9	3
1252	Global-scale action in health: a common language is a critical starting point to bolster global health financing. <i>Health Policy and Planning</i> , 2020 , 35, 1133-1136	3.4	
1251	Framing and signalling effects of taxes on sugary drinks: A discrete choice experiment among households in Great Britain. <i>Health Economics (United Kingdom)</i> , 2020 , 29, 1132-1147	2.4	4
1250	Patterns of beverage purchases amongst British households: A latent class analysis. <i>PLoS Medicine</i> , 2020 , 17, e1003245	11.6	1
1249	Proteogenomic Characterization of Ovarian HGSC Implicates Mitotic Kinases, Replication Stress in Observed Chromosomal Instability. <i>Cell Reports Medicine</i> , 2020 , 1,	18	24
1248	Patterns of beverage purchases amongst British households: A latent class analysis 2020 , 17, e1003245		
1247	Patterns of beverage purchases amongst British households: A latent class analysis 2020 , 17, e1003245		
1246	Patterns of beverage purchases amongst British households: A latent class analysis 2020 , 17, e1003245		
1245	Patterns of beverage purchases amongst British households: A latent class analysis 2020 , 17, e1003245		
1244	Patterns of beverage purchases amongst British households: A latent class analysis 2020 , 17, e1003245		
1243	Patterns of beverage purchases amongst British households: A latent class analysis 2020 , 17, e1003245		
1242	Anticipatory changes in British household purchases of soft drinks associated with the announcement of the Soft Drinks Industry Levy: A controlled interrupted time series analysis 2020 , 17, e1003269		
1241	Anticipatory changes in British household purchases of soft drinks associated with the announcement of the Soft Drinks Industry Levy: A controlled interrupted time series analysis 2020 , 17, e1003269		
1240	Anticipatory changes in British household purchases of soft drinks associated with the announcement of the Soft Drinks Industry Levy: A controlled interrupted time series analysis 2020 , 17, e1003269		
1239	Anticipatory changes in British household purchases of soft drinks associated with the announcement of the Soft Drinks Industry Levy: A controlled interrupted time series analysis 2020 , 17, e1003269		
1238	Anticipatory changes in British household purchases of soft drinks associated with the announcement of the Soft Drinks Industry Levy: A controlled interrupted time series analysis 2020 , 17, e1003269		

1237	SLIM Ultrahigh Resolution Ion Mobility Spectrometry Separations of Isotopologues and Isotopomers Reveal Mobility Shifts due to Mass Distribution Changes. <i>Analytical Chemistry</i> , 2019 , 91, 11952-11962	7.8	36
1236	Evidence on the magnitude of the economic, health and population effects of palm cooking oil consumption: an integrated modelling approach with Thailand as a case study. <i>Population Health Metrics</i> , 2019 , 17, 12	3	3
1235	High-Throughput Single Cell Proteomics Enabled by Multiplex Isobaric Labeling in a Nanodroplet Sample Preparation Platform. <i>Analytical Chemistry</i> , 2019 , 91, 13119-13127	7.8	92
1234	Potential impact on prevalence of obesity in the UK of a 20% price increase in high sugar snacks: modelling study. <i>BMJ, The</i> , 2019 , 366, l4786	5.9	22
1233	Towards resolving the spatial metabolome with unambiguous molecular annotations in complex biological systems by coupling mass spectrometry imaging with structures for lossless ion manipulations. <i>Chemical Communications</i> , 2019 , 55, 306-309	5.8	15
1232	Palm oil and dietary change: Application of an integrated macroeconomic, environmental, demographic, and health modelling framework for Thailand. <i>Food Policy</i> , 2019 , 83, 92-103	5	11
1231	A Targeted Mass Spectrometric Assay for Reliable Sensitive Hepcidin Quantification. <i>Scientific Reports</i> , 2019 , 9, 7264	4.9	4
1230	Updates to Binding MOAD (Mother of All Databases): Polypharmacology Tools and Their Utility in Drug Repurposing. <i>Journal of Molecular Biology</i> , 2019 , 431, 2423-2433	6.5	23
1229	Socio-economic patterning of expenditures on out-of-home food and non-alcoholic beverages by product and place of purchase in Britain. <i>Social Science and Medicine</i> , 2019 , 235, 112361	5.1	6
1228	Automated Nanoflow Two-Dimensional Reversed-Phase Liquid Chromatography System Enables In-Depth Proteome and Phosphoproteome Profiling of Nanoscale Samples. <i>Analytical Chemistry</i> , 2019 , 91, 9707-9715	7.8	19
1227	Evaluating the structural complexity of isomeric bile acids with ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4673-4682	4.4	8
1226	Proteogenomic Analysis of Human Colon Cancer Reveals New Therapeutic Opportunities. <i>Cell</i> , 2019 , 177, 1035-1049.e19	56.2	237
1225	Increased β -cell proliferation before immune cell invasion prevents progression of type 1 diabetes. <i>Nature Metabolism</i> , 2019 , 1, 509-518	14.6	21
1224	Ion Mobility Spectrometry and the Omics: Distinguishing Isomers, Molecular Classes and Contaminant Ions in Complex Samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 116, 292-299	14.6	35
1223	Opening new paths for biological applications of ion mobility - mass spectrometry using Structures for Lossless Ion Manipulations. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 116, 300-307	14.6	9
1222	Fat tax or thin subsidy? How price increases and decreases affect the energy and nutrient content of food and beverage purchases in Great Britain. <i>Social Science and Medicine</i> , 2019 , 230, 318-327	5.1	10
1221	Boosting to Amplify Signal with Isobaric Labeling (BASIL) Strategy for Comprehensive Quantitative Phosphoproteomic Characterization of Small Populations of Cells. <i>Analytical Chemistry</i> , 2019 , 91, 5794-5801	7.8	48
1220	Dual Polarity Ion Confinement and Mobility Separations. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 967-976	3.5	3

1219	Inherent versus induced protein flexibility: Comparisons within and between apo and holo structures. <i>PLoS Computational Biology</i> , 2019 , 15, e1006705	5	24
1218	Proximity-dependent proteomics of the Chlamydia trachomatis inclusion membrane reveals functional interactions with endoplasmic reticulum exit sites. <i>PLoS Pathogens</i> , 2019 , 15, e1007698	7.6	17
1217	The challenge of antimicrobial resistance: What economics can contribute. <i>Science</i> , 2019 , 364,	33.3	171
1216	Tandem Mass Tag Labeling Facilitates Reversed-Phase Liquid Chromatography-Mass Spectrometry Analysis of Hydrophilic Phosphopeptides. <i>Analytical Chemistry</i> , 2019 , 91, 11606-11613	7.8	10
1215	International trade, dietary change, and cardiovascular disease health outcomes: Import tariff reform using an integrated macroeconomic, environmental and health modelling framework for Thailand. <i>SSM - Population Health</i> , 2019 , 9, 100435	3.8	1
1214	Proteomic Insights into Phycobilisome Degradation, A Selective and Tightly Controlled Process in The Fast-Growing Cyanobacterium UTEX 2973. <i>Biomolecules</i> , 2019 , 9,	5.9	7
1213	Traveling-Wave-Based Electrodynamics Switch for Concurrent Dual-Polarity Ion Manipulations in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2019 , 91, 14712-14718	7.8	4
1212	Integrated Proteogenomic Characterization of Clear Cell Renal Cell Carcinoma. <i>Cell</i> , 2019 , 179, 964-983.e31	9.1	173
1211	Glomerular filtrate proteins in acute cardiorenal syndrome. <i>JCI Insight</i> , 2019 , 4,	9.9	7
1210	Separation of Amyloid Tryptic Peptide Species with Isomerized and Racemized L-Aspartic Residues with Ion Mobility in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2019 , 91, 4374-4380	7.8	21
1209	Plasma lipidome reveals critical illness and recovery from human Ebola virus disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3919-3928	11.5	31
1208	Recent trends in energy and nutrient content of take-home food and beverage purchases in Great Britain: an analysis of 225 million food and beverage purchases over 6 years. <i>BMJ Nutrition, Prevention and Health</i> , 2019 , 2, 63-71	6.7	6
1207	Carrier-Assisted Single-Tube Processing Approach for Targeted Proteomics Analysis of Low Numbers of Mammalian Cells. <i>Analytical Chemistry</i> , 2019 , 91, 1441-1451	7.8	15
1206	Ion Mobility-Mass Spectrometry in Metabolomic, Lipidomic, and Proteomic Analyses. <i>Comprehensive Analytical Chemistry</i> , 2019 , 123-159	1.9	10
1205	Preconditioning in the Rhesus Macaque Induces a Proteomic Signature Following Cerebral Ischemia that Is Associated with Neuroprotection. <i>Translational Stroke Research</i> , 2019 , 10, 440-448	7.8	4
1204	Nanowell-mediated multidimensional separations combining nanoLC with SLIM IM-MS for rapid, high-peak-capacity proteomic analyses. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 5363-5372	4.4	11
1203	A Hybrid Constant and Oscillatory Field Ion Mobility Analyzer Using Structures for Lossless Ion Manipulations. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 342-351	3.5	3
1202	Utilizing ion mobility spectrometry and mass spectrometry for the analysis of polycyclic aromatic hydrocarbons, polychlorinated biphenyls, polybrominated diphenyl ethers and their metabolites. <i>Analytica Chimica Acta</i> , 2018 , 1037, 265-273	6.6	33

1201	Nanodroplet processing platform for deep and quantitative proteome profiling of 10-100 mammalian cells. <i>Nature Communications</i> , 2018 , 9, 882	17.4	213
1200	Quality Control Analysis in Real-time (QC-ART): A Tool for Real-time Quality Control Assessment of Mass Spectrometry-based Proteomics Data. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 1824-1836	7.6	14
1199	High-throughput serum proteomics for the identification of protein biomarkers of mortality in older men. <i>Aging Cell</i> , 2018 , 17, e12717	9.9	13
1198	MERS-CoV and H5N1 influenza virus antagonize antigen presentation by altering the epigenetic landscape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E1012-E1021	11.5	100
1197	Predicting Displaceable Water Sites Using Mixed-Solvent Molecular Dynamics. <i>Journal of Chemical Information and Modeling</i> , 2018 , 58, 305-314	6.1	12
1196	Viewpoint: Soda taxes ¶Four questions economists need to address. <i>Food Policy</i> , 2018 , 74, 138-142	5	19
1195	Are sweet snacks more sensitive to price increases than sugar-sweetened beverages: analysis of British food purchase data. <i>BMJ Open</i> , 2018 , 8, e019788	3	18
1194	Characterization of applied fields for ion mobility separations in traveling wave based structures for lossless ion manipulations (SLIM). <i>International Journal of Mass Spectrometry</i> , 2018 , 430, 8-13	1.9	9
1193	Targeted Quantification of Phosphorylation Dynamics in the Context of EGFR-MAPK Pathway. <i>Analytical Chemistry</i> , 2018 , 90, 5256-5263	7.8	27
1192	Evaluating lipid mediator structural complexity using ion mobility spectrometry combined with mass spectrometry. <i>Bioanalysis</i> , 2018 , 10, 279-289	2.1	19
1191	A Global Survey of ATPase Activity in Asexual Blood Stages and Gametocytes. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 111-120	7.6	2
1190	Subnanogram proteomics: impact of LC column selection, MS instrumentation and data analysis strategy on proteome coverage for trace samples. <i>International Journal of Mass Spectrometry</i> , 2018 , 427, 4-10	1.9	51
1189	Towards Discovery and Targeted Peptide Biomarker Detection Using nanoESI-TIMS-TOF MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 817-826	3.5	27
1188	Characterization of the Ovarian Tumor Peptidome. <i>Vitamins and Hormones</i> , 2018 , 107, 515-531	2.5	4
1187	Using Skyline to Analyze Data-Containing Liquid Chromatography, Ion Mobility Spectrometry, and Mass Spectrometry Dimensions. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 2182-2188	3.5	33
1186	Reproducible workflow for multiplexed deep-scale proteome and phosphoproteome analysis of tumor tissues by liquid chromatography-mass spectrometry. <i>Nature Protocols</i> , 2018 , 13, 1632-1661	18.8	176
1185	Improved Sensitivity and Separations for Phosphopeptides using Online Liquid Chromatography Coupled with Structures for Lossless Ion Manipulations Ion Mobility-Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 10889-10896	7.8	24
1184	Application of multiplexed ion mobility spectrometry towards the identification of host protein signatures of treatment effect in pulmonary tuberculosis. <i>Tuberculosis</i> , 2018 , 112, 52-61	2.6	10

1183	The human brainome: network analysis identifies HSPA2 as a novel Alzheimer's disease target. <i>Brain</i> , 2018 , 141, 2721-2739	11.2	19
1182	Rapid Ion Mobility Separations of Bile Acid Isomers Using Cyclodextrin Adducts and Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2018 , 90, 11086-11091	7.8	22
1181	Residual tissue repositories as a resource for population-based cancer proteomic studies. <i>Clinical Proteomics</i> , 2018 , 15, 26	5	24
1180	Facile carrier-assisted targeted mass spectrometric approach for proteomic analysis of low numbers of mammalian cells. <i>Communications Biology</i> , 2018 , 1, 103	6.7	16
1179	Moonshot Objectives: Catalyze New Scientific Breakthroughs-Proteogenomics. <i>Cancer Journal (Sudbury, Mass)</i> , 2018 , 24, 121-125	2.2	6
1178	Physiological and proteomic analyses of Fe(III)-reducing co-cultures of <i>Desulfotomaculum reducens</i> MI-1 and <i>Geobacter sulfurreducens</i> PCA. <i>Geobiology</i> , 2018 , 16, 522-539	4.3	3
1177	Targeted brain proteomics uncover multiple pathways to Alzheimer's dementia. <i>Annals of Neurology</i> , 2018 , 84, 78-88	9.4	56
1176	Proteomic Analysis of Single Mammalian Cells Enabled by Microfluidic Nanodroplet Sample Preparation and Ultrasensitive NanoLC-MS. <i>Angewandte Chemie</i> , 2018 , 130, 12550-12554	3.6	19
1175	LC-SRM-Based Targeted Quantification of Urinary Protein Biomarkers. <i>Methods in Molecular Biology</i> , 2018 , 1788, 145-156	1.4	3
1174	State Support: A Prerequisite for Global Health Network Effectiveness Comment on "Four Challenges that Global Health Networks Face". <i>International Journal of Health Policy and Management</i> , 2018 , 7, 275-277	2.5	2
1173	A Customizable Flow Injection System for Automated, High Throughput, and Time Sensitive Ion Mobility Spectrometry and Mass Spectrometry Measurements. <i>Analytical Chemistry</i> , 2018 , 90, 737-744	7.8	7
1172	Recent advances in lipid separations and structural elucidation using mass spectrometry combined with ion mobility spectrometry, ion-molecule reactions and fragmentation approaches. <i>Current Opinion in Chemical Biology</i> , 2018 , 42, 111-118	9.7	47
1171	Online Ozonolysis Combined with Ion Mobility-Mass Spectrometry Provides a New Platform for Lipid Isomer Analyses. <i>Analytical Chemistry</i> , 2018 , 90, 1292-1300	7.8	83
1170	Pyroptosis by caspase11/4-gasdermin-D pathway in alcoholic hepatitis in mice and patients. <i>Hepatology</i> , 2018 , 67, 1737-1753	11.2	103
1169	An algorithm to correct saturated mass spectrometry ion abundances for enhanced quantitation and mass accuracy in omic studies. <i>International Journal of Mass Spectrometry</i> , 2018 , 427, 91-99	1.9	12
1168	Unraveling the isomeric heterogeneity of glycans: ion mobility separations in structures for lossless ion manipulations. <i>Chemical Communications</i> , 2018 , 54, 11701-11704	5.8	39
1167	Micropuncture of Bowman's Space in Mice Facilitated by 2 Photon Microscopy. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	3
1166	Distinguishing enantiomeric amino acids with chiral cyclodextrin adducts and structures for lossless ion manipulations. <i>Electrophoresis</i> , 2018 , 39, 3148-3155	3.6	21

1165	Cost-effectiveness of internet-based training for primary care clinicians on antibiotic prescribing for acute respiratory tract infections in Europe. <i>Journal of Antimicrobial Chemotherapy</i> , 2018 , 73, 3189-3198	5.1	9
1164	Proteomic Analysis of Single Mammalian Cells Enabled by Microfluidic Nanodroplet Sample Preparation and Ultrasensitive NanoLC-MS. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12370-12374	16.4	110
1163	The MPLEx Protocol for Multi-omic Analyses of Soil Samples. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	9
1162	Spatially Resolved Proteome Mapping of Laser Capture Microdissected Tissue with Automated Sample Transfer to Nanodroplets. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 1864-1874	7.6	58
1161	Specialized proteomic responses and an ancient photoprotection mechanism sustain marine green algal growth during phosphate limitation. <i>Nature Microbiology</i> , 2018 , 3, 781-790	26.6	18
1160	High-resolution ultrahigh-pressure long column reversed-phase liquid chromatography for top-down proteomics. <i>Journal of Chromatography A</i> , 2017 , 1498, 99-110	4.5	41
1159	MPLEx: a method for simultaneous pathogen inactivation and extraction of samples for multi-omics profiling. <i>Analyst, The</i> , 2017 , 142, 442-448	5	26
1158	Structural Elucidation of cis/trans Dicaaffeoylquinic Acid Photoisomerization Using Ion Mobility Spectrometry-Mass Spectrometry. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 1381-1388	6.4	33
1157	New frontiers for mass spectrometry based upon structures for lossless ion manipulations. <i>Analyst, The</i> , 2017 , 142, 1010-1021	5	63
1156	Ion Elevators and Escalators in Multilevel Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2017 , 89, 1972-1977	7.8	15
1155	Compression Ratio Ion Mobility Programming (CRIMP) Accumulation and Compression of Billions of Ions for Ion Mobility-Mass Spectrometry Using Traveling Waves in Structures for Lossless Ion Manipulations (SLIM). <i>Analytical Chemistry</i> , 2017 , 89, 6432-6439	7.8	33
1154	2016 ASMS Workshop Review: Next Generation LC/MS: Critical Insights and Future Perspectives. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1248-1249	3.5	
1153	Leucine Biosynthesis Is Involved in Regulating High Lipid Accumulation in. <i>MBio</i> , 2017 , 8,	7.8	29
1152	PIXiE: an algorithm for automated ion mobility arrival time extraction and collision cross section calculation using global data association. <i>Bioinformatics</i> , 2017 , 33, 2715-2722	7.2	7
1151	LIQUID: an-open source software for identifying lipids in LC-MS/MS-based lipidomics data. <i>Bioinformatics</i> , 2017 , 33, 1744-1746	7.2	69
1150	Serpentine Ultralong Path with Extended Routing (SUPER) High Resolution Traveling Wave Ion Mobility-MS using Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2017 , 89, 4628-4634	7.8	106
1149	Coupling Front-End Separations, Ion Mobility Spectrometry, and Mass Spectrometry For Enhanced Multidimensional Biological and Environmental Analyses. <i>Annual Review of Analytical Chemistry</i> , 2017 , 10, 71-92	12.5	63
1148	Identification of Hip BMD Loss and Fracture Risk Markers Through Population-Based Serum Proteomics. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 1559-1567	6.3	13

1147	Integrating ion mobility spectrometry into mass spectrometry-based exposome measurements: what can it add and how far can it go?. <i>Bioanalysis</i> , 2017 , 9, 81-98	2.1	56
1146	Multiplexed Post-Experimental Monoisotopic Mass Refinement (mPE-MMR) to Increase Sensitivity and Accuracy in Peptide Identifications from Tandem Mass Spectra of Cofragmentation. <i>Analytical Chemistry</i> , 2017 , 89, 1244-1253	7.8	11
1145	Comparing identified and statistically significant lipids and polar metabolites in 15-year old serum and dried blood spot samples for longitudinal studies. <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 447-456	2.2	26
1144	A structural examination and collision cross section database for over 500 metabolites and xenobiotics using drift tube ion mobility spectrometry. <i>Chemical Science</i> , 2017 , 8, 7724-7736	9.4	108
1143	Change in non-alcoholic beverage sales following a 10-pence levy on sugar-sweetened beverages within a national chain of restaurants in the UK: interrupted time series analysis of a natural experiment. <i>Journal of Epidemiology and Community Health</i> , 2017 , 71, 1107-1112	5.1	16
1142	Are there physicochemical differences between allosteric and competitive ligands?. <i>PLoS Computational Biology</i> , 2017 , 13, e1005813	5	16
1141	Quantification of mutant SPOP proteins in prostate cancer using mass spectrometry-based targeted proteomics. <i>Journal of Translational Medicine</i> , 2017 , 15, 175	8.5	5
1140	Deep-Dive Targeted Quantification for Ultrasensitive Analysis of Proteins in Nondepleted Human Blood Plasma/Serum and Tissues. <i>Analytical Chemistry</i> , 2017 , 89, 9139-9146	7.8	17
1139	Targeted proteomic assays for quantitation of proteins identified by proteogenomic analysis of ovarian cancer. <i>Scientific Data</i> , 2017 , 4, 170091	8.2	18
1138	Advances in microscale separations towards nanoproteomics applications. <i>Journal of Chromatography A</i> , 2017 , 1523, 40-48	4.5	29
1137	An Interlaboratory Evaluation of Drift Tube Ion Mobility-Mass Spectrometry Collision Cross Section Measurements. <i>Analytical Chemistry</i> , 2017 , 89, 9048-9055	7.8	233
1136	Informed-Proteomics: open-source software package for top-down proteomics. <i>Nature Methods</i> , 2017 , 14, 909-914	21.6	83
1135	Multi-platform Omics Analysis of Human Ebola Virus Disease Pathogenesis. <i>Cell Host and Microbe</i> , 2017 , 22, 817-829.e8	23.4	57
1134	Quality Assessments of Long-Term Quantitative Proteomic Analysis of Breast Cancer Xenograft Tissues. <i>Journal of Proteome Research</i> , 2017 , 16, 4523-4530	5.6	14
1133	Changes of Protein Turnover in Aging. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 1621-1633	7.6	33
1132	Distinguishing d- and l-aspartic and isoaspartic acids in amyloid peptides with ultrahigh resolution ion mobility spectrometry. <i>Chemical Communications</i> , 2017 , 53, 7913-7916	5.8	45
1131	Design of a TW-SLIM Module for Dual Polarity Confinement, Transport, and Reactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1442-1449	3.5	9
1130	Quantitative proteomics identifies altered O-GlcNAcylation of structural, synaptic and memory-associated proteins in Alzheimer's disease. <i>Journal of Pathology</i> , 2017 , 243, 78-88	9.4	73

1129	Proteome Profiling Outperforms Transcriptome Profiling for Coexpression Based Gene Function Prediction. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 121-134	7.6	67
1128	Enhancing glycan isomer separations with metal ions and positive and negative polarity ion mobility spectrometry-mass spectrometry analyses. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 467-476	4.4	61
1127	Position-dependent termination and widespread obligatory frameshifting in Euplotes translation. <i>Nature Structural and Molecular Biology</i> , 2017 , 24, 61-68	17.6	38
1126	The welfare implications of public healthcare financing: a macro-micro simulation analysis of Uganda. <i>Health Policy and Planning</i> , 2017 , 32, 1437-1448	3.4	4
1125	Lipid and Glycolipid Isomer Analyses Using Ultra-High Resolution Ion Mobility Spectrometry Separations. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	67
1124	Effects of environmental change on population nutrition and health: A comprehensive framework with a focus on fruits and vegetables. <i>Wellcome Open Research</i> , 2017 , 2, 21	4.8	17
1123	Phycobilisome truncation causes widespread proteome changes in <i>Synechocystis</i> sp. PCC 6803. <i>PLoS ONE</i> , 2017 , 12, e0173251	3.7	17
1122	The Trans-Pacific Partnership: Should We "Fear the Fear"? Comment on "The Trans-Pacific Partnership: Is It Everything We Feared for Health?". <i>International Journal of Health Policy and Management</i> , 2017 , 6, 353-355	2.5	3
1121	Multiplexed targeted mass spectrometry assays for prostate cancer-associated urinary proteins. <i>Oncotarget</i> , 2017 , 8, 101887-101898	3.3	7
1120	CSAR Benchmark Exercise 2013: Evaluation of Results from a Combined Computational Protein Design, Docking, and Scoring/Ranking Challenge. <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 1022-31	6.1	36
1119	Ultra-High Resolution Ion Mobility Separations Utilizing Traveling Waves in a 13 m Serpentine Path Length Structures for Lossless Ion Manipulations Module. <i>Analytical Chemistry</i> , 2016 , 88, 8957-64	7.8	100
1118	Dinitrogenase-Driven Photobiological Hydrogen Production Combats Oxidative Stress in <i>Cyanothece</i> sp. Strain ATCC 51142. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 7227-7235	4.8	12
1117	FOXO/DAF-16 Activation Slows Down Turnover of the Majority of Proteins in <i>C. elegans</i> . <i>Cell Reports</i> , 2016 , 16, 3028-3040	10.6	25
1116	The abundant marine bacterium <i>Pelagibacter</i> simultaneously catabolizes dimethylsulfoniopropionate to the gases dimethyl sulfide and methanethiol. <i>Nature Microbiology</i> , 2016 , 1, 16065	26.6	71
1115	Conservation of protein abundance patterns reveals the regulatory architecture of the EGFR-MAPK pathway. <i>Science Signaling</i> , 2016 , 9, rs6	8.8	78
1114	Development of an Ion Mobility Spectrometry-Orbitrap Mass Spectrometer Platform. <i>Analytical Chemistry</i> , 2016 , 88, 12152-12160	7.8	40
1113	Greatly Increasing Trapped Ion Populations for Mobility Separations Using Traveling Waves in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2016 , 88, 10143-10150	7.8	21
1112	Mobility-Selected Ion Trapping and Enrichment Using Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2016 , 88, 1728-33	7.8	36

1111	Global Proteomic Analysis Reveals an Exclusive Role of Thylakoid Membranes in Bioenergetics of a Model Cyanobacterium. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 2021-32	7.6	24
1110	Integrated Proteogenomic Characterization of Human High-Grade Serous Ovarian Cancer. <i>Cell</i> , 2016 , 166, 755-765	56.2	544
1109	How much priority is given to nutrition and health in the EU Common Agricultural Policy?. <i>Food Policy</i> , 2016 , 59, 12-23	5	18
1108	Contributions of immunoaffinity chromatography to deep proteome profiling of human biofluids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1021, 57-68	3.2	34
1107	SerpinB1 Promotes Pancreatic β -Cell Proliferation. <i>Cell Metabolism</i> , 2016 , 23, 194-205	24.6	132
1106	An Analysis of the Sensitivity of Proteogenomic Mapping of Somatic Mutations and Novel Splicing Events in Cancer. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 1060-71	7.6	80
1105	Free 25-Hydroxyvitamin D: Impact of Vitamin D Binding Protein Assays on Racial-Genotypic Associations. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 2226-34	5.6	123
1104	Surprising impact of remote groups on the folding--unfolding and dimer-chain equilibria of bifunctional H-bonding unimers. <i>Chemical Communications</i> , 2016 , 52, 3773-6	5.8	3
1103	Integrated Omics Analysis of Pathogenic Host Responses during Pandemic H1N1 Influenza Virus Infection: The Crucial Role of Lipid Metabolism. <i>Cell Host and Microbe</i> , 2016 , 19, 254-66	23.4	47
1102	Systematic Survey of Serine Hydrolase Activity in Mycobacterium tuberculosis Defines Changes Associated with Persistence. <i>Cell Chemical Biology</i> , 2016 , 23, 290-298	8.2	44
1101	The Impact of Alzheimer's Disease on the Chinese Economy. <i>EBioMedicine</i> , 2016 , 4, 184-90	8.8	41
1100	Mining the human urine proteome for monitoring renal transplant injury. <i>Kidney International</i> , 2016 , 89, 1244-52	9.9	55
1099	SNaPP: Simplified Nanoproteomics Platform for Reproducible Global Proteomic Analysis of Nanogram Protein Quantities. <i>Endocrinology</i> , 2016 , 157, 1307-14	4.8	35
1098	The current state of the art of quantitative phosphoproteomics and its applications to diabetes research. <i>Expert Review of Proteomics</i> , 2016 , 13, 421-33	4.2	23
1097	Recommendations for the Generation, Quantification, Storage, and Handling of Peptides Used for Mass Spectrometry-Based Assays. <i>Clinical Chemistry</i> , 2016 , 62, 48-69	5.5	135
1096	Reproducibility of Differential Proteomic Technologies in CPTAC Fractionated Xenografts. <i>Journal of Proteome Research</i> , 2016 , 15, 691-706	5.6	35
1095	Quantitative Profiling of Protein S-Glutathionylation Reveals Redox-Dependent Regulation of Macrophage Function during Nanoparticle-Induced Oxidative Stress. <i>ACS Nano</i> , 2016 , 10, 524-38	16.7	52
1094	Uncovering biologically significant lipid isomers with liquid chromatography, ion mobility spectrometry and mass spectrometry. <i>Analyst, The</i> , 2016 , 141, 1649-59	5	146

1093	The clinical impact of recent advances in LC-MS for cancer biomarker discovery and verification. <i>Expert Review of Proteomics</i> , 2016 , 13, 99-114	4.2	37
1092	Identifying Aspects of the Post-Transcriptional Program Governing the Proteome of the Green Alga <i>Micromonas pusilla</i> . <i>PLoS ONE</i> , 2016 , 11, e0155839	3.7	6
1091	An efficient method for native protein purification in the selected range from prostate cancer tissue digests. <i>Chinese Clinical Oncology</i> , 2016 , 5, 78	2.3	4
1090	Hypothalamic transcriptomes of 99 mouse strains reveal trans eQTL hotspots, splicing QTLs and novel non-coding genes. <i>ELife</i> , 2016 , 5,	8.9	26
1089	Using the CPTAC Assay Portal to Identify and Implement Highly Characterized Targeted Proteomics Assays. <i>Methods in Molecular Biology</i> , 2016 , 1410, 223-36	1.4	25
1088	Large-Scale and Deep Quantitative Proteome Profiling Using Isobaric Labeling Coupled with Two-Dimensional LC-MS/MS. <i>Methods in Molecular Biology</i> , 2016 , 1410, 237-47	1.4	7
1087	Comparative Proteomic Analysis of <i>Desulfotomaculum reducens</i> MI-1: Insights into the Metabolic Versatility of a Gram-Positive Sulfate- and Metal-Reducing Bacterium. <i>Frontiers in Microbiology</i> , 2016 , 7, 191	5.7	10
1086	MPLEX: a Robust and Universal Protocol for Single-Sample Integrative Proteomic, Metabolomic, and Lipidomic Analyses. <i>MSystems</i> , 2016 , 1,	7.6	106
1085	Advances in targeted proteomics and applications to biomedical research. <i>Proteomics</i> , 2016 , 16, 2160-824.8		134
1084	Spatially-Resolved Proteomics: Rapid Quantitative Analysis of Laser Capture Microdissected Alveolar Tissue Samples. <i>Scientific Reports</i> , 2016 , 6, 39223	4.9	51
1083	Squeezing of Ion Populations and Peaks in Traveling Wave Ion Mobility Separations and Structures for Lossless Ion Manipulations Using Compression Ratio Ion Mobility Programming. <i>Analytical Chemistry</i> , 2016 , 88, 11877-11885	7.8	31
1082	SPE-IMS-MS: An automated platform for sub-sixty second surveillance of endogenous metabolites and xenobiotics in biofluids. <i>Clinical Mass Spectrometry</i> , 2016 , 2, 1-10	1.9	47
1081	CSAR 2014: A Benchmark Exercise Using Unpublished Data from Pharma. <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 1063-77	6.1	72
1080	Evidence-based green algal genomics reveals marine diversity and ancestral characteristics of land plants. <i>BMC Genomics</i> , 2016 , 17, 267	4.5	52
1079	Spatial Ion Peak Compression and its Utility in Ion Mobility Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 1128-35	3.5	12
1078	A Structures for Lossless Ion Manipulations (SLIM) Module for Collision Induced Dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 1285-8	3.5	12
1077	Ion Mobility Separations of Isomers based upon Long Path Length Structures for Lossless Ion Manipulations Combined with Mass Spectrometry. <i>ChemistrySelect</i> , 2016 , 1, 2396-2399	1.8	68
1076	Research and policy for addressing malnutrition in all its forms. <i>Obesity</i> , 2016 , 24, 2032	8	9

1075	Simultaneous Proteomic Discovery and Targeted Monitoring using Liquid Chromatography, Ion Mobility Spectrometry, and Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 3694-3705	7.6	20
1074	The fungal cultivar of leaf-cutter ants produces specific enzymes in response to different plant substrates. <i>Molecular Ecology</i> , 2016 , 25, 5795-5805	5.7	21
1073	Proteome Remodeling in Response to Sulfur Limitation in "Pelagibacter ubique". <i>MSystems</i> , 2016 , 1,	7.6	9
1072	Achieving High Resolution Ion Mobility Separations Using Traveling Waves in Compact Multiturn Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2016 , 88, 8949-8956	7.8	39
1071	What Happens to Patterns of Food Consumption when Food Prices Change? Evidence from A Systematic Review and Meta-Analysis of Food Price Elasticities Globally. <i>Health Economics (United Kingdom)</i> , 2015 , 24, 1548-59	2.4	68
1070	Preserved DNA Damage Checkpoint Pathway Protects against Complications in Long-Standing Type 1 Diabetes. <i>Cell Metabolism</i> , 2015 , 22, 239-52	24.6	34
1069	Proteomic analysis reveals down-regulation of surfactant protein B in murine type II pneumocytes infected with influenza A virus. <i>Virology</i> , 2015 , 483, 96-107	3.6	5
1068	Identification of Salmonella Typhimurium Deubiquitinase SseL Substrates by Immunoaffinity Enrichment and Quantitative Proteomic Analysis. <i>Journal of Proteome Research</i> , 2015 , 14, 4029-38	5.6	9
1067	Orthogonal Injection Ion Funnel Interface Providing Enhanced Performance for Selected Reaction Monitoring-Triple Quadrupole Mass Spectrometry. <i>Analytical Chemistry</i> , 2015 , 87, 7326-31	7.8	10
1066	Compensatory Islet Response to Insulin Resistance Revealed by Quantitative Proteomics. <i>Journal of Proteome Research</i> , 2015 , 14, 3111-3122	5.6	14
1065	Lipidomic and proteomic analysis of Caenorhabditis elegans lipid droplets and identification of ACS-4 as a lipid droplet-associated protein. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015 , 1851, 1337-45	5	42
1064	Enhancing biological analyses with three dimensional field asymmetric ion mobility, low field drift tube ion mobility and mass spectrometry (BAIMS/IMS-MS) separations. <i>Analyst, The</i> , 2015 , 140, 6955-63	5	11
1063	Use and cumulation of evidence from modelling studies to inform policy on food taxes and subsidies: biting off more than we can chew?. <i>BMC Public Health</i> , 2015 , 15, 297	4.1	15
1062	Analytical platform evaluation for quantification of ERG in prostate cancer using protein and mRNA detection methods. <i>Journal of Translational Medicine</i> , 2015 , 13, 54	8.5	21
1061	Improving regulatory capacity to manage risks associated with trade agreements. <i>Globalization and Health</i> , 2015 , 11, 14	10	21
1060	Synechococcus elongatus UTEX 2973, a fast growing cyanobacterial chassis for biosynthesis using light and CO ₂ <i>Scientific Reports</i> , 2015 , 5, 8132	4.9	190
1059	Development of a New Ion Mobility (Quadrupole) Time-of-Flight Mass Spectrometer. <i>International Journal of Mass Spectrometry</i> , 2015 , 377, 655-662	1.9	70
1058	Why fat taxes won't make us thin. <i>Journal of Public Health</i> , 2015 , 37, 18-23	3.5	32

1057	Recent improvements to Binding MOAD: a resource for protein-ligand binding affinities and structures. <i>Nucleic Acids Research</i> , 2015 , 43, D465-9	20.1	59
1056	Review, evaluation, and discussion of the challenges of missing value imputation for mass spectrometry-based label-free global proteomics. <i>Journal of Proteome Research</i> , 2015 , 14, 1993-2001	5.6	141
1055	Characterization of Traveling Wave Ion Mobility Separations in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2015 , 87, 11301-8	7.8	45
1054	Mass Spectrometry for Biomarker Development. <i>Biomarkers in Disease</i> , 2015 , 17-48		1
1053	Peptide-Centric Proteome Analysis: An Alternative Strategy for the Analysis of Tandem Mass Spectrometry Data. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 2301-7	7.6	104
1052	Comprehensive quantitative analysis of ovarian and breast cancer tumor peptidomes. <i>Journal of Proteome Research</i> , 2015 , 14, 422-33	5.6	24
1051	On the ionization and ion transmission efficiencies of different ESI-MS interfaces. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 55-62	3.5	14
1050	International patients within the NHS: a case of public sector entrepreneurialism. <i>Social Science and Medicine</i> , 2015 , 124, 338-45	5.1	17
1049	Developing a Capability-Based Questionnaire for Assessing Well-Being in Patients with Chronic Pain. <i>Social Indicators Research</i> , 2015 , 120, 897-916	2.7	28
1048	The Pacific Northwest National Laboratory library of bacterial and archaeal proteomic biodiversity. <i>Scientific Data</i> , 2015 , 2, 150041	8.2	11
1047	Improved ion optics for introduction of ions into a 9.4-T Fourier transform ion cyclotron resonance mass spectrometer. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 280-4	2.2	7
1046	Advancing understanding of microbial bioenergy conversion processes by activity-based protein profiling. <i>Biotechnology for Biofuels</i> , 2015 , 8, 156	7.8	17
1045	Enhancing bottom-up and top-down proteomic measurements with ion mobility separations. <i>Proteomics</i> , 2015 , 15, 2766-76	4.8	45
1044	Evaluating Models of Cellulose Degradation by <i>Fibrobacter succinogenes</i> S85. <i>PLoS ONE</i> , 2015 , 10, e0143809	3.7	27
1043	Ion Trapping, Storage, and Ejection in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2015 , 87, 6010-6	7.8	42
1042	An Optimized Informatics Pipeline for Mass Spectrometry-Based Peptidomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 2002-8	3.5	8
1041	O2-04-06: The growing macroeconomic burden of Alzheimer's disease in China 2015 , 11, P181-P182		
1040	Ion manipulations in structures for lossless ion manipulations (SLIM): computational evaluation of a 90° turn and a switch. <i>Analyst, The</i> , 2015 , 140, 6845-52	5	30

1039	Sensitive targeted quantification of ERK phosphorylation dynamics and stoichiometry in human cells without affinity enrichment. <i>Analytical Chemistry</i> , 2015 , 87, 1103-10	7.8	28
1038	Rectangular ion funnel: a new ion funnel interface for structures for lossless ion manipulations. <i>Analytical Chemistry</i> , 2015 , 87, 716-22	7.8	15
1037	Changes in protein expression across laboratory and field experiments in <i>Geobacter bemidjensis</i> . <i>Journal of Proteome Research</i> , 2015 , 14, 1361-75	5.6	13
1036	Enrichment and Broad Representation of Plant Biomass-Degrading Enzymes in the Specialized Hyphal Swellings of <i>Leucoagaricus gongylophorus</i> , the Fungal Symbiont of Leaf-Cutter Ants. <i>PLoS ONE</i> , 2015 , 10, e0134752	3.7	19
1035	Accounting for population variation in targeted proteomics. <i>Journal of Proteome Research</i> , 2014 , 13, 321-3	5.6	3
1034	Organelle-specific activity-based protein profiling in living cells. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2919-22	16.4	33
1033	Differential ion mobility separations in up to 100% helium using microchips. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 480-9	3.5	26
1032	A highly sensitive targeted mass spectrometric assay for quantification of AGR2 protein in human urine and serum. <i>Journal of Proteome Research</i> , 2014 , 13, 875-82	5.6	51
1031	Proteomic identification and quantification of S-glutathionylation in mouse macrophages using resin-assisted enrichment and isobaric labeling. <i>Free Radical Biology and Medicine</i> , 2014 , 67, 460-70	7.8	74
1030	Improving ion mobility measurement sensitivity by utilizing helium in an ion funnel trap. <i>Analytical Chemistry</i> , 2014 , 86, 5295-9	7.8	17
1029	Resin-assisted enrichment of thiols as a general strategy for proteomic profiling of cysteine-based reversible modifications. <i>Nature Protocols</i> , 2014 , 9, 64-75	18.8	108
1028	Microscale depletion of high abundance proteins in human biofluids using IgY14 immunoaffinity resin: analysis of human plasma and cerebrospinal fluid. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 7117-25	4.4	10
1027	Simulation of electric potentials and ion motion in planar electrode structures for lossless ion manipulations (SLIM). <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 1890-6	3.5	41
1026	LC-MS proteomics analysis of the insulin/IGF-1-deficient <i>Caenorhabditis elegans</i> daf-2(e1370) mutant reveals extensive restructuring of intermediary metabolism. <i>Journal of Proteome Research</i> , 2014 , 13, 1938-56	5.6	44
1025	Expediting SRM assay development for large-scale targeted proteomics experiments. <i>Journal of Proteome Research</i> , 2014 , 13, 4479-87	5.6	25
1024	High sensitivity combined with extended structural coverage of labile compounds via nanoelectrospray ionization at subambient pressures. <i>Analytical Chemistry</i> , 2014 , 86, 9504-11	7.8	10
1023	The succinated proteome. <i>Mass Spectrometry Reviews</i> , 2014 , 33, 98-109	11	50
1022	Automated data extraction from in situ protein-stable isotope probing studies. <i>Journal of Proteome Research</i> , 2014 , 13, 1200-10	5.6	14

1021	Live cell chemical profiling of temporal redox dynamics in a photoautotrophic cyanobacterium. <i>ACS Chemical Biology</i> , 2014 , 9, 291-300	4.9	29
1020	Polysialylated N-glycans identified in human serum through combined developments in sample preparation, separations, and electrospray ionization-mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 8700-10	7.8	18
1019	Fast and accurate database searches with MS-GF+Percolator. <i>Journal of Proteome Research</i> , 2014 , 13, 890-7	5.6	62
1018	Ischemia in tumors induces early and sustained phosphorylation changes in stress kinase pathways but does not affect global protein levels. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 1690-704	7.6	239
1017	Brain insulin lowers circulating BCAA levels by inducing hepatic BCAA catabolism. <i>Cell Metabolism</i> , 2014 , 20, 898-909	24.6	90
1016	Mobility-resolved ion selection in uniform drift field ion mobility spectrometry/mass spectrometry: dynamic switching in structures for lossless ion manipulations. <i>Analytical Chemistry</i> , 2014 , 86, 9632-7	7.8	40
1015	Characterization of ion dynamics in structures for lossless ion manipulations. <i>Analytical Chemistry</i> , 2014 , 86, 9162-8	7.8	51
1014	Implementation of dipolar resonant excitation for collision induced dissociation with ion mobility/time-of-flight MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 563-71	3.5	4
1013	Honoring Dr. Jean H. Futrell. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 699-701	3.5	
1012	Improving the sensitivity of mass spectrometry by using a new sheath flow electrospray emitter array at subambient pressures. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 2028-37	3.5	15
1011	Detecting and removing data artifacts in Hadamard transform ion mobility-mass spectrometry measurements. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 2020-2027	3.5	37
1010	GlyQ-IQ: glycomics quintavariate-informed quantification with high-performance computing and GlycoGrid 4D visualization. <i>Analytical Chemistry</i> , 2014 , 86, 6268-76	7.8	9
1009	Experimental evaluation and optimization of structures for lossless ion manipulations for ion mobility spectrometry with time-of-flight mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 9169-76	7.8	73
1008	Quantitative analysis of human salivary gland-derived intact proteome using top-down mass spectrometry. <i>Proteomics</i> , 2014 , 14, 1211-22	4.8	34
1007	Proteomic profiles of five strains of oxygenic photosynthetic cyanobacteria of the genus <i>Cyanothece</i> . <i>Journal of Proteome Research</i> , 2014 , 13, 3262-76	5.6	10
1006	The identification of novel potential injury mechanisms and candidate biomarkers in renal allograft rejection by quantitative proteomics. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 621-31	7.6	61
1005	The proteome and phosphoproteome of <i>Neurospora crassa</i> in response to cellulose, sucrose and carbon starvation. <i>Fungal Genetics and Biology</i> , 2014 , 72, 21-33	3.9	60
1004	Signatures for mass spectrometry data quality. <i>Journal of Proteome Research</i> , 2014 , 13, 2215-22	5.6	14

1003	Perturbations in the urinary exosome in transplant rejection. <i>Frontiers in Medicine</i> , 2014 , 1, 57	4.9	33
1002	Proteomic analysis of saliva in HIV-positive heroin addicts reveals proteins correlated with cognition. <i>PLoS ONE</i> , 2014 , 9, e89366	3.7	18
1001	High and low doses of ionizing radiation induce different secretome profiles in a human skin model. <i>PLoS ONE</i> , 2014 , 9, e92332	3.7	9
1000	Characterization of protein redox dynamics induced during light-to-dark transitions and nutrient limitation in cyanobacteria. <i>Frontiers in Microbiology</i> , 2014 , 5, 325	5.7	23
999	Pathogenic influenza viruses and coronaviruses utilize similar and contrasting approaches to control interferon-stimulated gene responses. <i>MBio</i> , 2014 , 5, e01174-14	7.8	199
998	Proteomic approaches for site-specific O-GlcNAcylation analysis. <i>Bioanalysis</i> , 2014 , 6, 2571-80	2.1	9
997	Proteome-wide light/dark modulation of thiol oxidation in cyanobacteria revealed by quantitative site-specific redox proteomics. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 3270-85	7.6	60
996	HAM-5 functions as a MAP kinase scaffold during cell fusion in <i>Neurospora crassa</i> . <i>PLoS Genetics</i> , 2014 , 10, e1004783	6	57
995	Metabolic reprogramming during purine stress in the protozoan pathogen <i>Leishmania donovani</i> . <i>PLoS Pathogens</i> , 2014 , 10, e1003938	7.6	50
994	Detecting differential protein expression in large-scale population proteomics. <i>Bioinformatics</i> , 2014 , 30, 2741-6	7.2	13
993	A comprehensive collection of systems biology data characterizing the host response to viral infection. <i>Scientific Data</i> , 2014 , 1, 140033	8.2	35
992	Bayesian Proteoform Modeling Improves Protein Quantification of Global Proteomic Measurements. <i>Molecular and Cellular Proteomics</i> , 2014 ,	7.6	3
991	The fungus gardens of leaf-cutter ants undergo a distinct physiological transition during biomass degradation. <i>Environmental Microbiology Reports</i> , 2014 , 6, 389-95	3.7	16
990	Bayesian proteoform modeling improves protein quantification of global proteomic measurements. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 3639-46	7.6	29
989	Proteogenomic strategies for identification of aberrant cancer peptides using large-scale next-generation sequencing data. <i>Proteomics</i> , 2014 , 14, 2719-30	4.8	47
988	CPTAC Assay Portal: a repository of targeted proteomic assays. <i>Nature Methods</i> , 2014 , 11, 703-4	21.6	113
987	Advancing the high throughput identification of liver fibrosis protein signatures using multiplexed ion mobility spectrometry. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 1119-27	7.6	43
986	Transcriptomic and proteomic dynamics in the metabolism of a diazotrophic cyanobacterium, <i>Cyanothece</i> sp. PCC 7822 during a diurnal light-dark cycle. <i>BMC Genomics</i> , 2014 , 15, 1185	4.5	15

985	Protein and microRNA biomarkers from lavage, urine, and serum in military personnel evaluated for dyspnea. <i>BMC Medical Genomics</i> , 2014 , 7, 58	3.7	12
984	Phosphate-containing polyethylene glycol polymers prevent lethal sepsis by multidrug-resistant pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 966-77	5.9	47
983	A method to determine lysine acetylation stoichiometries. <i>International Journal of Proteomics</i> , 2014 , 2014, 730725		29
982	Antibody-independent targeted quantification of TMPRSS2-ERG fusion protein products in prostate cancer. <i>Molecular Oncology</i> , 2014 , 8, 1169-80	7.9	20
981	Picoelectrospray ionization mass spectrometry using narrow-bore chemically etched emitters. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 30-6	3.5	47
980	Characterization of individual mouse cerebrospinal fluid proteomes. <i>Proteomics</i> , 2014 , 14, 1102-6	4.8	24
979	Cytomegalovirus pp65 limits dissemination but is dispensable for persistence. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1928-44	15.9	26
978	Implications for the NHS of inward and outward medical tourism: a policy and economic analysis using literature review and mixed-methods approaches. <i>Health Services and Delivery Research</i> , 2014 , 2, 1-234	1.5	35
977	Mass Spectrometry for Biomarker Development 2014 , 1-25		
976	The economic impact of H1N1 on Mexico's tourist and pork sectors. <i>Health Economics (United Kingdom)</i> , 2013 , 22, 824-34	2.4	93
975	Protein co-expression network analysis (ProCoNA). <i>Journal of Clinical Bioinformatics</i> , 2013 , 3, 11		20
974	Mixed-isotope labeling with LC-IMS-MS for characterization of protein-protein interactions by chemical cross-linking. <i>Journal of the American Society for Mass Spectrometry</i> , 2013 , 24, 444-9	3.5	23
973	MultiAlign: a multiple LC-MS analysis tool for targeted omics analysis. <i>BMC Bioinformatics</i> , 2013 , 14, 49	3.6	23
972	Controlled dispensing and mixing of pico- to nanoliter volumes using on-demand droplet-based microfluidics. <i>Microfluidics and Nanofluidics</i> , 2013 , 15, 117-126	2.8	34
971	Trauma-associated human neutrophil alterations revealed by comparative proteomics profiling. <i>Proteomics - Clinical Applications</i> , 2013 , 7, 571-83	3.1	16
970	Long-gradient separations coupled with selected reaction monitoring for highly sensitive, large scale targeted protein quantification in a single analysis. <i>Analytical Chemistry</i> , 2013 , 85, 9196-203	7.8	37
969	Activated ClpP kills persisters and eradicates a chronic biofilm infection. <i>Nature</i> , 2013 , 503, 365-70	50.4	451
968	LC-IMS-MS Feature Finder: detecting multidimensional liquid chromatography, ion mobility and mass spectrometry features in complex datasets. <i>Bioinformatics</i> , 2013 , 29, 2804-5	7.2	30

967	Capillary isotachopheresis-nanoelectrospray ionization-selected reaction monitoring MS via a novel sheathless interface for high sensitivity sample quantification. <i>Analytical Chemistry</i> , 2013 , 85, 7308-15	7.8	39
966	Specific mutations in H5N1 mainly impact the magnitude and velocity of the host response in mice. <i>BMC Systems Biology</i> , 2013 , 7, 69	3.5	17
965	Approach to cerebrospinal fluid (CSF) biomarker discovery and evaluation in HIV infection. <i>Journal of NeuroImmune Pharmacology</i> , 2013 , 8, 1147-58	6.9	35
964	The importance of health co-benefits in macroeconomic assessments of UK Greenhouse Gas emission reduction strategies. <i>Climatic Change</i> , 2013 , 121, 223-237	4.5	32
963	Macroeconomic impact of pandemic influenza and associated policies in Thailand, South Africa and Uganda. <i>Influenza and Other Respiratory Viruses</i> , 2013 , 7 Suppl 2, 64-71	5.6	9
962	Amino acid treatment enhances protein recovery from sediment and soils for metaproteomic studies. <i>Proteomics</i> , 2013 , 13, 2776-85	4.8	17
961	Leucoagaricus gongylophorus produces diverse enzymes for the degradation of recalcitrant plant polymers in leaf-cutter ant fungus gardens. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 3770-8	4.8	75
960	Activity-based protein profiling of secreted cellulolytic enzyme activity dynamics in <i>Trichoderma reesei</i> QM6a, NG14, and RUT-C30. <i>Molecular BioSystems</i> , 2013 , 9, 2992-3000		12
959	Top-down proteomics reveals a unique protein S-thiolation switch in <i>Salmonella Typhimurium</i> in response to infection-like conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 10153-8	11.5	119
958	High-definition differential ion mobility spectrometry with resolving power up to 500. <i>Journal of the American Society for Mass Spectrometry</i> , 2013 , 24, 109-14	3.5	62
957	STEPS: a grid search methodology for optimized peptide identification filtering of MS/MS database search results. <i>Proteomics</i> , 2013 , 13, 766-70	4.8	12
956	Proteome analyses of strains ATCC 51142 and PCC 7822 of the diazotrophic cyanobacterium <i>Cyanothece</i> sp. under culture conditions resulting in enhanced H ₂ production. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 1070-7	4.8	23
955	Impact of alg3 gene deletion on growth, development, pigment production, protein secretion, and functions of recombinant <i>Trichoderma reesei</i> cellobiohydrolases in <i>Aspergillus niger</i> . <i>Fungal Genetics and Biology</i> , 2013 , 61, 120-32	3.9	20
954	Quantitative site-specific reactivity profiling of S-nitrosylation in mouse skeletal muscle using cysteinyl peptide enrichment coupled with mass spectrometry. <i>Free Radical Biology and Medicine</i> , 2013 , 57, 68-78	7.8	53
953	Global health priorities and research funding. <i>Lancet Infectious Diseases, The</i> , 2013 , 13, 653	25.5	1
952	Identification of widespread adenosine nucleotide binding in <i>Mycobacterium tuberculosis</i> . <i>Chemistry and Biology</i> , 2013 , 20, 123-33		37
951	Sources of technical variability in quantitative LC-MS proteomics: human brain tissue sample analysis. <i>Journal of Proteome Research</i> , 2013 , 12, 2128-37	5.6	118
950	A comparative analysis of computational approaches to relative protein quantification using peptide peak intensities in label-free LC-MS proteomics experiments. <i>Proteomics</i> , 2013 , 13, 493-503	4.8	60

949	Genomic responses in mouse models poorly mimic human inflammatory diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 3507-12	11.5	2076
948	A multi-omic systems approach to elucidating Yersinia virulence mechanisms. <i>Molecular BioSystems</i> , 2013 , 9, 44-54		26
947	Studying Salmonellae and Yersiniae host-pathogen interactions using integrated omics and modeling. <i>Current Topics in Microbiology and Immunology</i> , 2013 , 363, 21-41	3.3	10
946	Salmonella modulates metabolism during growth under conditions that induce expression of virulence genes. <i>Molecular BioSystems</i> , 2013 , 9, 1522-34		38
945	Evaluation of selected binding domains for the analysis of ubiquitinated proteomes. <i>Journal of the American Society for Mass Spectrometry</i> , 2013 , 24, 1214-23	3.5	6
944	Targeted quantification of low ng/mL level proteins in human serum without immunoaffinity depletion. <i>Journal of Proteome Research</i> , 2013 , 12, 3353-61	5.6	62
943	Separation of protein conformers by differential ion mobility in hydrogen-rich gases. <i>Analytical Chemistry</i> , 2013 , 85, 6967-73	7.8	25
942	Resin-assisted enrichment of N-terminal peptides for characterizing proteolytic processing. <i>Analytical Chemistry</i> , 2013 , 85, 6826-32	7.8	20
941	High-resolution differential ion mobility spectrometry of a protein. <i>Analytical Chemistry</i> , 2013 , 85, 10-3	7.8	30
940	The use of enhanced recovery after surgery (ERAS) principles in Scottish orthopaedic units--an implementation and follow-up at 1 year, 2010-2011: a report from the Musculoskeletal Audit, Scotland. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2013 , 133, 117-24	3.6	55
939	Increasing Confidence of LC-MS Identifications by Utilizing Ion Mobility Spectrometry. <i>International Journal of Mass Spectrometry</i> , 2013 , 354-355, 312-317	1.9	23
938	In-source fragmentation and the sources of partially tryptic peptides in shotgun proteomics. <i>Journal of Proteome Research</i> , 2013 , 12, 910-6	5.6	38
937	Proteomic and transcriptomic analyses of "Candidatus Pelagibacter ubique" describe the first PII-independent response to nitrogen limitation in a free-living Alphaproteobacterium. <i>MBio</i> , 2013 , 4, e00133-12	7.8	37
936	Mechanisms of severe acute respiratory syndrome coronavirus-induced acute lung injury. <i>MBio</i> , 2013 , 4,	7.8	204
935	Understanding and managing zoonotic risk in the new livestock industries. <i>Environmental Health Perspectives</i> , 2013 , 121, 873-7	8.4	39
934	Determination of burn patient outcome by large-scale quantitative discovery proteomics. <i>Critical Care Medicine</i> , 2013 , 41, 1421-34	1.4	40
933	The genome organization of <i>Thermotoga maritima</i> reflects its lifestyle. <i>PLoS Genetics</i> , 2013 , 9, e1003485		31
932	Disparate proteome responses of pathogenic and nonpathogenic aspergilli to human serum measured by activity-based protein profiling (ABPP). <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 1791-805	7.6	6

931	Serum proteomics reveals systemic dysregulation of innate immunity in type 1 diabetes. <i>Journal of Experimental Medicine</i> , 2013 , 210, 191-203	16.6	63
930	Comparative phosphoproteomics reveals components of host cell invasion and post-transcriptional regulation during Francisella infection. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 3297-309	7.6	17
929	RNA type III secretion signals that require Hfq. <i>Journal of Bacteriology</i> , 2013 , 195, 2119-25	3.5	16
928	Reduced insulin/insulin-like growth factor-1 signaling and dietary restriction inhibit translation but preserve muscle mass in <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 3624-39	7.6	63
927	Connecting genomic alterations to cancer biology with proteomics: the NCI Clinical Proteomic Tumor Analysis Consortium. <i>Cancer Discovery</i> , 2013 , 3, 1108-12	24.4	162
926	Release of severe acute respiratory syndrome coronavirus nuclear import block enhances host transcription in human lung cells. <i>Journal of Virology</i> , 2013 , 87, 3885-902	6.6	97
925	Macroeconomic impact of a mild influenza pandemic and associated policies in Thailand, South Africa and Uganda: a computable general equilibrium analysis. <i>Influenza and Other Respiratory Viruses</i> , 2013 , 7, 1400-8	5.6	11
924	Multi-omic data integration links deleted in breast cancer 1 (DBC1) degradation to chromatin remodeling in inflammatory response. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 2136-47	7.6	3
923	Cost-effectiveness of point-of-care C-reactive protein testing to inform antibiotic prescribing decisions. <i>British Journal of General Practice</i> , 2013 , 63, e465-71	1.6	53
922	Pushing the Frontier of High-Definition Ion Mobility Spectrometry Using FAIMS. <i>Mass Spectrometry</i> , 2013 , 2, S0011	1.7	7
921	Assigning quantitative function to post-translational modifications reveals multiple sites of phosphorylation that tune yeast pheromone signaling output. <i>PLoS ONE</i> , 2013 , 8, e56544	3.7	3
920	Gray matter is targeted in first-attack multiple sclerosis. <i>PLoS ONE</i> , 2013 , 8, e66117	3.7	31
919	A Multi-Omic View of Host-Pathogen-Commensal Interplay in Salmonella-Mediated Intestinal Infection. <i>PLoS ONE</i> , 2013 , 8, e67155	3.7	65
918	A network integration approach to predict conserved regulators related to pathogenicity of influenza and SARS-CoV respiratory viruses. <i>PLoS ONE</i> , 2013 , 8, e69374	3.7	54
917	Quantitative phosphoproteomics identifies filaggrin and other targets of ionizing radiation in a human skin model. <i>Experimental Dermatology</i> , 2012 , 21, 352-7	4	16
916	A reversed-phase capillary ultra-performance liquid chromatography-mass spectrometry (UPLC-MS) method for comprehensive top-down/bottom-up lipid profiling. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 2923-33	4.4	78
915	Comparison of <i>Chloroflexus aurantiacus</i> strain J-10-fl proteomes of cells grown chemoheterotrophically and photoheterotrophically. <i>Photosynthesis Research</i> , 2012 , 110, 153-68	3.7	16
914	A systematic analysis of a deep mouse epididymal sperm proteome. <i>Biology of Reproduction</i> , 2012 , 87, 141	3.9	31

913	Suite of activity-based probes for cellulose-degrading enzymes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20521-32	16.4	52
912	Dynamic proteome analysis of <i>Cyanotheca</i> sp. ATCC 51142 under constant light. <i>Journal of Proteome Research</i> , 2012 , 11, 609-19	5.6	16
911	Enhanced top-down characterization of histone post-translational modifications. <i>Genome Biology</i> , 2012 , 13, R86	18.3	105
910	A conceptual approach for FT-ICR cell harmonization utilizing external shim electrodes. <i>International Journal of Mass Spectrometry</i> , 2012 , 325-327, 45-50	1.9	15
909	Mass spectrometry for translational proteomics: progress and clinical implications. <i>Genome Medicine</i> , 2012 , 4, 63	14.4	59
908	Discovery of novel glucose-regulated proteins in isolated human pancreatic islets using LC-MS/MS-based proteomics. <i>Journal of Proteome Research</i> , 2012 , 11, 3520-32	5.6	48
907	Ion mobility separation of variant histone tails extending to the "middle-down" range. <i>Analytical Chemistry</i> , 2012 , 84, 4271-6	7.8	39
906	Improving N-glycan coverage using HPLC-MS with electrospray ionization at subambient pressure. <i>Analytical Chemistry</i> , 2012 , 84, 9208-13	7.8	12
905	Protein analyses using differential ion mobility microchips with mass spectrometry. <i>Analytical Chemistry</i> , 2012 , 84, 7297-300	7.8	18
904	High-pH reversed-phase chromatography with fraction concatenation for 2D proteomic analysis. <i>Expert Review of Proteomics</i> , 2012 , 9, 129-34	4.2	189
903	Label-free quantitative LC-MS proteomics of Alzheimer's disease and normally aged human brains. <i>Journal of Proteome Research</i> , 2012 , 11, 3053-67	5.6	104
902	Separation of variant methylated histone tails by differential ion mobility. <i>Analytical Chemistry</i> , 2012 , 84, 6317-20	7.8	40
901	Ultrasensitive sample quantitation via selected reaction monitoring using CITP/CZE-ESI-triple quadrupole MS. <i>Analytical Chemistry</i> , 2012 , 84, 10395-403	7.8	32
900	Fully automated multifunctional ultrahigh pressure liquid chromatography system for advanced proteome analyses. <i>Journal of Proteome Research</i> , 2012 , 11, 4373-81	5.6	16
899	Proteomic analysis of bronchoalveolar lavage fluid proteins from mice infected with <i>Francisella tularensis</i> ssp. <i>novicida</i> . <i>Journal of Proteome Research</i> , 2012 , 11, 3690-703	5.6	7
898	IgY14 and SuperMix immunoaffinity separations coupled with liquid chromatography-mass spectrometry for human plasma proteomics biomarker discovery. <i>Methods</i> , 2012 , 56, 246-53	4.6	48
897	Analysis of serum total and free PSA using immunoaffinity depletion coupled to SRM: correlation with clinical immunoassay tests. <i>Journal of Proteomics</i> , 2012 , 75, 4747-57	3.9	42
896	New and improved proteomics technologies for understanding complex biological systems: addressing a grand challenge in the life sciences. <i>Proteomics</i> , 2012 , 12, 2773-83	4.8	49

895	A review of the health and economic implications of patent protection, with a specific focus on Thailand. <i>Health Research Policy and Systems</i> , 2012 , 10, 24	3.7	4
894	The cerebrospinal fluid proteome in HIV infection: change associated with disease severity. <i>Clinical Proteomics</i> , 2012 , 9, 3	5	24
893	Detection and identification of heme c-modified peptides by histidine affinity chromatography, high-performance liquid chromatography-mass spectrometry, and database searching. <i>Journal of Proteome Research</i> , 2012 , 11, 6147-58	5.6	6
892	Mass spectrometry-based proteomics: existing capabilities and future directions. <i>Chemical Society Reviews</i> , 2012 , 41, 3912-28	58.5	277
891	Mapping N-linked glycosylation sites in the secretome and whole cells of <i>Aspergillus niger</i> using hydrazide chemistry and mass spectrometry. <i>Journal of Proteome Research</i> , 2012 , 11, 143-56	5.6	53
890	Advanced proteomic liquid chromatography. <i>Journal of Chromatography A</i> , 2012 , 1261, 78-90	4.5	59
889	In silico method for modelling metabolism and gene product expression at genome scale. <i>Nature Communications</i> , 2012 , 3, 929	17.4	194
888	Cerebrospinal fluid proteome of patients with acute Lyme disease. <i>Journal of Proteome Research</i> , 2012 , 11, 4814-22	5.6	12
887	Simple sodium dodecyl sulfate-assisted sample preparation method for LC-MS-based proteomics applications. <i>Analytical Chemistry</i> , 2012 , 84, 2862-7	7.8	63
886	Normalization and missing value imputation for label-free LC-MS analysis. <i>BMC Bioinformatics</i> , 2012 , 13 Suppl 16, S5	3.6	187
885	Comparative omics-driven genome annotation refinement: application across <i>Yersinia</i> . <i>PLoS ONE</i> , 2012 , 7, e33903	3.7	26
884	Advancing the sensitivity of selected reaction monitoring-based targeted quantitative proteomics. <i>Proteomics</i> , 2012 , 12, 1074-92	4.8	170
883	Improving collision induced dissociation (CID), high energy collision dissociation (HCD), and electron transfer dissociation (ETD) fourier transform MS/MS degradome-peptidome identifications using high accuracy mass information. <i>Journal of Proteome Research</i> , 2012 , 11, 668-77	5.6	22
882	Proteome and computational analyses reveal new insights into the mechanisms of hepatitis C virus-mediated liver disease posttransplantation. <i>Hepatology</i> , 2012 , 56, 28-38	11.2	31
881	Biophysical limits of protein-ligand binding. <i>Journal of Chemical Information and Modeling</i> , 2012 , 52, 2098-106	8.106	31
880	Metagenomic and metaproteomic insights into bacterial communities in leaf-cutter ant fungus gardens. <i>ISME Journal</i> , 2012 , 6, 1688-701	11.9	100
879	Tandem mass spectrometry identifies many mouse brain O-GlcNAcylated proteins including EGF domain-specific O-GlcNAc transferase targets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 7280-5	11.5	234
878	Angular averaged profiling of the radial electric field in compensated FTICR Cells. <i>Journal of the American Society for Mass Spectrometry</i> , 2012 , 23, 1169-72	3.5	5

877	GlycReSoft: a software package for automated recognition of glycans from LC/MS data. <i>PLoS ONE</i> , 2012 , 7, e45474	3.7	102
876	Protein identification using top-down. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, M111.008524	7.6	112
875	DanteR: an extensible R-based tool for quantitative analysis of -omics data. <i>Bioinformatics</i> , 2012 , 28, 2404-6	7.2	112
874	Mass spectrometry in biomarker applications: from untargeted discovery to targeted verification, and implications for platform convergence and clinical application. <i>Clinical Chemistry</i> , 2012 , 58, 528-30	5.5	31
873	Uterine deletion of Trp53 compromises antioxidant responses in the mouse decidua. <i>Endocrinology</i> , 2012 , 153, 4568-79	4.8	30
872	Unexpected diversity of signal peptides in prokaryotes. <i>MBio</i> , 2012 , 3,	7.8	26
871	Reevaluation of the coding potential and proteomic analysis of the BAC-derived rhesus cytomegalovirus strain 68-1. <i>Journal of Virology</i> , 2012 , 86, 8959-73	6.6	33
870	Antibody-free, targeted mass-spectrometric approach for quantification of proteins at low picogram per milliliter levels in human plasma/serum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15395-400	11.5	177
869	A Comprehensive Subcellular Proteomic Survey of Salmonella Grown under Phagosome-Mimicking versus Standard Laboratory Conditions. <i>International Journal of Proteomics</i> , 2012 , 2012, 123076		19
868	A hybrid approach to protein differential expression in mass spectrometry-based proteomics. <i>Bioinformatics</i> , 2012 , 28, 1586-91	7.2	22
867	Multiplexed activity-based protein profiling of the human pathogen <i>Aspergillus fumigatus</i> reveals large functional changes upon exposure to human serum. <i>Journal of Biological Chemistry</i> , 2012 , 287, 33447-59	5.4	19
866	Morphine produces immunosuppressive effects in nonhuman primates at the proteomic and cellular levels. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 605-18	7.6	38
865	Model-driven multi-omic data analysis elucidates metabolic immunomodulators of macrophage activation. <i>Molecular Systems Biology</i> , 2012 , 8, 558	12.2	114
864	Network analysis of epidermal growth factor signaling using integrated genomic, proteomic and phosphorylation data. <i>PLoS ONE</i> , 2012 , 7, e34515	3.7	32
863	Activity-based protein profiling reveals mitochondrial oxidative enzyme impairment and restoration in diet-induced obese mice. <i>PLoS ONE</i> , 2012 , 7, e47996	3.7	25
862	UNiquant, a program for quantitative proteomics analysis using stable isotope labeling. <i>Journal of Proteome Research</i> , 2011 , 10, 1228-37	5.6	18
861	Ion mobility separation of isomeric phosphopeptides from a protein with variant modification of adjacent residues. <i>Analytical Chemistry</i> , 2011 , 83, 5078-85	7.8	44
860	Ultrasensitive identification of localization variants of modified peptides using ion mobility spectrometry. <i>Analytical Chemistry</i> , 2011 , 83, 5617-23	7.8	29

859	Xlink-identifier: an automated data analysis platform for confident identifications of chemically cross-linked peptides using tandem mass spectrometry. <i>Journal of Proteome Research</i> , 2011 , 10, 923-31	5.6	49
858	Comprehensive identification of glycated peptides and their glycation motifs in plasma and erythrocytes of control and diabetic subjects. <i>Journal of Proteome Research</i> , 2011 , 10, 3076-88	5.6	81
857	Accelerated high-resolution differential ion mobility separations using hydrogen. <i>Analytical Chemistry</i> , 2011 , 83, 9159-66	7.8	40
856	Ultrahigh-resolution differential ion mobility spectrometry using extended separation times. <i>Analytical Chemistry</i> , 2011 , 83, 23-9	7.8	57
855	Separation of a set of peptide sequence isomers using differential ion mobility spectrometry. <i>Analytical Chemistry</i> , 2011 , 83, 6918-23	7.8	47
854	Diurnal rhythms result in significant changes in the cellular protein complement in the cyanobacterium <i>Cyanothece</i> 51142. <i>PLoS ONE</i> , 2011 , 6, e16680	3.7	47
853	Spectral archives: extending spectral libraries to analyze both identified and unidentified spectra. <i>Nature Methods</i> , 2011 , 8, 587-91	21.6	67
852	Proteome insights into the symbiotic relationship between a captive colony of <i>Nasutitermes corniger</i> and its hindgut microbiome. <i>ISME Journal</i> , 2011 , 5, 161-4	11.9	54
851	Estimating the economic impact of pandemic influenza: An application of the computable general equilibrium model to the U.K. <i>Social Science and Medicine</i> , 2011 , 73, 235-44	5.1	48
850	Mislocalization of large ARF-GEFs as a potential mechanism for BFA resistance in COG-deficient cells. <i>Experimental Cell Research</i> , 2011 , 317, 2342-52	4.2	7
849	Experimental annotation of post-translational features and translated coding regions in the pathogen <i>Salmonella</i> Typhimurium. <i>BMC Genomics</i> , 2011 , 12, 433	4.5	28
848	Coupled transcriptome and proteome analysis of human lymphotropic tumor viruses: insights on the detection and discovery of viral genes. <i>BMC Genomics</i> , 2011 , 12, 625	4.5	43
847	Effectiveness of CID, HCD, and ETD with FT MS/MS for degradomic-peptidomic analysis: comparison of peptide identification methods. <i>Journal of Proteome Research</i> , 2011 , 10, 3929-43	5.6	64
846	Separation and classification of lipids using differential ion mobility spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 1146-55	3.5	88
845	Improving liquid chromatography-mass spectrometry sensitivity using a subambient pressure ionization with nanoelectrospray (SPIN) interface. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 1318-25	3.5	19
844	Trapping radial electric field optimization in compensated FTICR cells. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 1334-42	3.5	17
843	Assessment of the Construct Validity of the EQ-5D in Patients with Acute Cough/Lower Respiratory Tract Infections. <i>Applied Research in Quality of Life</i> , 2011 , 6, 411-423	2.3	6
842	Systems analysis of multiple regulator perturbations allows discovery of virulence factors in <i>Salmonella</i> . <i>BMC Systems Biology</i> , 2011 , 5, 100	3.5	23

841	Dynamic proteomic profiling of a unicellular cyanobacterium <i>Cyanothece</i> ATCC51142 across light-dark diurnal cycles. <i>BMC Systems Biology</i> , 2011 , 5, 194	3.5	34
840	Proteome and transcriptome profiles of a Her2/Neu-driven mouse model of breast cancer. <i>Proteomics - Clinical Applications</i> , 2011 , 5, 179-88	3.1	12
839	Rapid and efficient protein digestion using trypsin-coated magnetic nanoparticles under pressure cycles. <i>Proteomics</i> , 2011 , 11, 309-18	4.8	27
838	Reversed-phase chromatography with multiple fraction concatenation strategy for proteome profiling of human MCF10A cells. <i>Proteomics</i> , 2011 , 11, 2019-26	4.8	387
837	Quantitative proteomics analysis of adsorbed plasma proteins classifies nanoparticles with different surface properties and size. <i>Proteomics</i> , 2011 , 11, 4569-77	4.8	112
836	Formation of iron complexes from trifluoroacetic acid based liquid chromatography mobile phases as interference ions in liquid chromatography/electrospray ionization mass spectrometric analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 1452-6	2.2	3
835	Formation of dehydroalanine from mimosine and cysteine: artifacts in gas chromatography/mass spectrometry based metabolomics. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 2561-4	2.2	13
834	Hydrodynamic injection with pneumatic valving for microchip electrophoresis with total analyte utilization. <i>Electrophoresis</i> , 2011 , 32, 1610-8	3.6	16
833	CSAR benchmark exercise of 2010: selection of the protein-ligand complexes. <i>Journal of Chemical Information and Modeling</i> , 2011 , 51, 2036-46	6.1	102
832	Unraveling pancreatic islet biology by quantitative proteomics. <i>Expert Review of Proteomics</i> , 2011 , 8, 495-504	4.2	10
831	Pulsed multiple reaction monitoring approach to enhancing sensitivity of a tandem quadrupole mass spectrometer. <i>Analytical Chemistry</i> , 2011 , 83, 2162-71	7.8	13
830	CSAR benchmark exercise of 2010: combined evaluation across all submitted scoring functions. <i>Journal of Chemical Information and Modeling</i> , 2011 , 51, 2115-31	6.1	117
829	Identification of c-type heme-containing peptides using nonactivated immobilized metal affinity chromatography resin enrichment and higher-energy collisional dissociation. <i>Analytical Chemistry</i> , 2011 , 83, 7260-8	7.8	4
828	A statistical method for assessing peptide identification confidence in accurate mass and time tag proteomics. <i>Analytical Chemistry</i> , 2011 , 83, 6135-40	7.8	42
827	Membrane-based emitter for coupling microfluidics with ultrasensitive nanoelectrospray ionization-mass spectrometry. <i>Analytical Chemistry</i> , 2011 , 83, 5797-803	7.8	36
826	Liquid chromatography-mass spectrometry-based quantitative proteomics. <i>Journal of Biological Chemistry</i> , 2011 , 286, 25443-9	5.4	147
825	Development of a fibrinogen-specific sandwich enzyme-linked immunosorbent assay microarray assay for distinguishing between blood plasma and serum samples. <i>Analytical Biochemistry</i> , 2011 , 414, 99-102	3.1	4
824	The laser ablation ion funnel: Sampling for in situ mass spectrometry on Mars. <i>Planetary and Space Science</i> , 2011 , 59, 387-393	2	7

823	Conserved oligomeric Golgi complex specifically regulates the maintenance of Golgi glycosylation machinery. <i>Glycobiology</i> , 2011 , 21, 1554-69	5.8	73
822	Human transcriptome array for high-throughput clinical studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3707-12	11.5	91
821	18O-labeled proteome reference as global internal standards for targeted quantification by selected reaction monitoring-mass spectrometry. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M110.007302	7.6	16
820	Screening for cardiovascular disease using age alone: reflections on a paper peer-reviewed as both Medical and Unsurprising. <i>Journal of Medical Screening</i> , 2011 , 18, 113-4	1.4	3
819	Comparative analysis of proteome and transcriptome variation in mouse. <i>PLoS Genetics</i> , 2011 , 7, e1001383	3.8	417
818	Discovery of novel secreted virulence factors from <i>Salmonella enterica</i> serovar Typhimurium by proteomic analysis of culture supernatants. <i>Infection and Immunity</i> , 2011 , 79, 33-43	3.7	89
817	Spatial phosphoprotein profiling reveals a compartmentalized extracellular signal-regulated kinase switch governing neurite growth and retraction. <i>Journal of Biological Chemistry</i> , 2011 , 286, 18190-201	5.4	15
816	Systems virology identifies a mitochondrial fatty acid oxidation enzyme, dodecenoyl coenzyme A delta isomerase, required for hepatitis C virus replication and likely pathogenesis. <i>Journal of Virology</i> , 2011 , 85, 11646-54	6.6	42
815	Pressurized pepsin digestion in proteomics: an automatable alternative to trypsin for integrated top-down bottom-up proteomics. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M110.001479	7.6	36
814	Lifestyle behaviours and quality-adjusted life years in middle and older age. <i>Age and Ageing</i> , 2011 , 40, 589-95	3	29
813	Enhanced sensitivity for selected reaction monitoring mass spectrometry-based targeted proteomics using a dual stage electrodynamic ion funnel interface. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M000062-MCP201	7.6	47
812	Distinct cerebrospinal fluid proteomes differentiate post-treatment lyme disease from chronic fatigue syndrome. <i>PLoS ONE</i> , 2011 , 6, e17287	3.7	80
811	Proteogenomic analysis of bacteria and archaea: a 46 organism case study. <i>PLoS ONE</i> , 2011 , 6, e27587	3.7	59
810	Plasma biomarkers for detecting Hodgkin's lymphoma in HIV patients. <i>PLoS ONE</i> , 2011 , 6, e29263	3.7	8
809	Trypsin-catalyzed oxygen-18 labeling for quantitative proteomics. <i>Methods in Molecular Biology</i> , 2011 , 753, 43-54	1.4	7
808	Ultra-Fast Sample Preparation for High-Throughput Proteomics		2
807	The Sperm Maturation Proteome of <i>Mus musculus</i> . <i>Biology of Reproduction</i> , 2011 , 85, 575-575	3.9	
806	Clinical microfluidics for neutrophil genomics and proteomics. <i>Nature Medicine</i> , 2010 , 16, 1042-7	50.5	132

805	Transcriptional and translational regulatory responses to iron limitation in the globally distributed marine bacterium <i>Candidatus pelagibacter ubique</i> . <i>PLoS ONE</i> , 2010 , 5, e10487	3.7	34
804	Establishing the proteome of normal human cerebrospinal fluid. <i>PLoS ONE</i> , 2010 , 5, e10980	3.7	150
803	Proteome analysis of <i>Borrelia burgdorferi</i> response to environmental change. <i>PLoS ONE</i> , 2010 , 5, e13809	3.7	29
802	Phosphoproteomics profiling of human skin fibroblast cells reveals pathways and proteins affected by low doses of ionizing radiation. <i>PLoS ONE</i> , 2010 , 5, e14152	3.7	18
801	Public health evaluation in the twenty-first century: time to see the wood as well as the trees. <i>Journal of Public Health</i> , 2010 , 32, 2-7	3.5	55
800	Endogenous 3,4-dihydroxyphenylalanine and dopaquinone modifications on protein tyrosine: links to mitochondrially derived oxidative stress via hydroxyl radical. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 1199-208	7.6	21
799	Characterization of macaque pulmonary fluid proteome during monkeypox infection: dynamics of host response. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 2760-71	7.6	9
798	Contingent valuation: has the debate begun?. <i>Health Economics, Policy and Law</i> , 2010 , 5, 133-4	2.3	1
797	Global proteomics reveal an atypical strategy for carbon/nitrogen assimilation by a cyanobacterium under diverse environmental perturbations. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 2678-89	7.6	94
796	UPDATING BINDING MOAD DATA MANAGEMENT AND INFORMATION WORKFLOW. <i>New Mathematics and Natural Computation</i> , 2010 , 06, 49-56	0.6	0
795	DtaRefinery, a software tool for elimination of systematic errors from parent ion mass measurements in tandem mass spectra data sets. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 486-96	7.6	44
794	Macaque proteome response to highly pathogenic avian influenza and 1918 reassortant influenza virus infections. <i>Journal of Virology</i> , 2010 , 84, 12058-68	6.6	32
793	CD90/THY1 is overexpressed in prostate cancer-associated fibroblasts and could serve as a cancer biomarker. <i>Modern Pathology</i> , 2010 , 23, 1346-56	9.8	79
792	Omic data from evolved <i>E. coli</i> are consistent with computed optimal growth from genome-scale models. <i>Molecular Systems Biology</i> , 2010 , 6, 390	12.2	419
791	Temporal proteome and lipidome profiles reveal hepatitis C virus-associated reprogramming of hepatocellular metabolism and bioenergetics. <i>PLoS Pathogens</i> , 2010 , 6, e1000719	7.6	302
790	Machine learning based prediction for peptide drift times in ion mobility spectrometry. <i>Bioinformatics</i> , 2010 , 26, 1601-7	7.2	31
789	Ecological distribution and population physiology defined by proteomics in a natural microbial community. <i>Molecular Systems Biology</i> , 2010 , 6, 374	12.2	52
788	High-resolution differential ion mobility separations using planar analyzers at elevated dispersion fields. <i>Analytical Chemistry</i> , 2010 , 82, 7649-55	7.8	54

787	Contingent valuation: what needs to be done?. <i>Health Economics, Policy and Law</i> , 2010 , 5, 91-111	2.3	40
786	Achieving 50% ionization efficiency in subambient pressure ionization with nanoelectrospray. <i>Analytical Chemistry</i> , 2010 , 82, 9344-9	7.8	48
785	Quantitative analysis of cell surface membrane proteins using membrane-impermeable chemical probe coupled with 18O labeling. <i>Journal of Proteome Research</i> , 2010 , 9, 2160-9	5.6	19
784	Plasma proteome response to severe burn injury revealed by 18O-labeled "universal" reference-based quantitative proteomics. <i>Journal of Proteome Research</i> , 2010 , 9, 4779-89	5.6	46
783	Integrated post-experiment monoisotopic mass refinement: an integrated approach to accurately assign monoisotopic precursor masses to tandem mass spectrometric data. <i>Analytical Chemistry</i> , 2010 , 82, 8510-8	7.8	16
782	Identification of disulfide bonds in protein proteolytic degradation products using de novo-protein unique sequence tags approach. <i>Journal of Proteome Research</i> , 2010 , 9, 4053-60	5.6	6
781	High-resolution differential ion mobility separations using helium-rich gases. <i>Analytical Chemistry</i> , 2010 , 82, 2456-62	7.8	82
780	An LC-IMS-MS platform providing increased dynamic range for high-throughput proteomic studies. <i>Journal of Proteome Research</i> , 2010 , 9, 997-1006	5.6	103
779	Improved LC-MS/MS spectral counting statistics by recovering low-scoring spectra matched to confidently identified peptide sequences. <i>Journal of Proteome Research</i> , 2010 , 9, 5698-704	5.6	41
778	Analysis of biostimulated microbial communities from two field experiments reveals temporal and spatial differences in proteome profiles. <i>Environmental Science & Technology</i> , 2010 , 44, 8897-903	10.3	49
777	Peptide orientation affects selectivity in ion-exchange chromatography. <i>Analytical Chemistry</i> , 2010 , 82, 5253-9	7.8	45
776	Novel Ser/Thr protein phosphatase 5 (PP5) regulated targets during DNA damage identified by proteomics analysis. <i>Journal of Proteome Research</i> , 2010 , 9, 945-53	5.6	17
775	The Short-Form Six-Dimension utility index predicted mortality in the European Prospective Investigation into Cancer-Norfolk prospective population-based study. <i>Journal of Clinical Epidemiology</i> , 2010 , 63, 192-8	5.7	5
774	Sensitive immunoassays of nitrated fibrinogen in human biofluids. <i>Talanta</i> , 2010 , 81, 1662-9	6.2	9
773	Mapping protein abundance patterns in the brain using voxelation combined with liquid chromatography and mass spectrometry. <i>Methods</i> , 2010 , 50, 77-84	4.6	28
772	Health, agricultural, and economic effects of adoption of healthy diet recommendations. <i>Lancet, The</i> , 2010 , 376, 1699-709	40	73
771	Separation of peptide isomers with variant modified sites by high-resolution differential ion mobility spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 8327-34	7.8	67
770	Mapping the subcellular proteome of <i>Shewanella oneidensis</i> MR-1 using sarkosyl-based fractionation and LC-MS/MS protein identification. <i>Journal of Proteome Research</i> , 2010 , 9, 4454-63	5.6	44

769	Trypsin coatings on electrospun and alcohol-dispersed polymer nanofibers for a trypsin digestion column. <i>Analytical Chemistry</i> , 2010 , 82, 7828-34	7.8	23
768	Classical peer review: an empty gun. <i>Breast Cancer Research</i> , 2010 , 12 Suppl 4, S13	8.3	68
767	Differential ion mobility separations of peptides with resolving power exceeding 50. <i>Analytical Chemistry</i> , 2010 , 82, 32-5	7.8	45
766	Ultrasensitive nanoelectrospray ionization-mass spectrometry using poly(dimethylsiloxane) microchips with monolithically integrated emitters. <i>Analyst, The</i> , 2010 , 135, 2296-302	5	44
765	A multi-pronged search for a common structural motif in the secretion signal of Salmonella enterica serovar Typhimurium type III effector proteins. <i>Molecular BioSystems</i> , 2010 , 6, 2448-58		40
764	Site-specific proteomics approach for study protein S-nitrosylation. <i>Analytical Chemistry</i> , 2010 , 82, 7160-8	8.8	52
763	Region-specific protein abundance changes in the brain of MPTP-induced Parkinson's disease mouse model. <i>Journal of Proteome Research</i> , 2010 , 9, 1496-509	5.6	55
762	The ion funnel: theory, implementations, and applications. <i>Mass Spectrometry Reviews</i> , 2010 , 29, 294-312	11	180
761	Concepts of capability and overlooked applications. <i>American Journal of Public Health</i> , 2010 , 100, 1823-4; author reply 1824	5.1	1
760	Liquid Chromatography Mass Spectrometry-Based Proteomics: Biological and Technological Aspects. <i>Annals of Applied Statistics</i> , 2010 , 4, 1797-1823	2.1	85
759	Strategy for degradomic-peptidomic analysis of human blood plasma. <i>Journal of Proteome Research</i> , 2010 , 9, 2339-46	5.6	38
758	Isotopic effect on ion mobility and separation of isotopomers by high-field ion mobility spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 8047-51	7.8	29
757	Proteomic biomarkers in plasma that differentiate rapid and slow decline in lung function in adult cigarette smokers with chronic obstructive pulmonary disease (COPD). <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 1809-19	4.4	17
756	A top-down LC-FTICR MS-based strategy for characterizing oxidized calmodulin in activated macrophages. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 930-9	3.5	18
755	The macroeconomic impact of pandemic influenza: estimates from models of the United Kingdom, France, Belgium and The Netherlands. <i>European Journal of Health Economics</i> , 2010 , 11, 543-54	3.6	88
754	Pituitary hCG production and cerebral tuberculosis mimicking disease progression during chemotherapy for an advanced ovarian germ cell tumour. <i>BMC Cancer</i> , 2010 , 10, 338	4.8	2
753	The possible macroeconomic impact on the UK of an influenza pandemic. <i>Health Economics (United Kingdom)</i> , 2010 , 19, 1345-60	2.4	93
752	Robust trypsin coating on electrospun polymer nanofibers in rigorous conditions and its uses for protein digestion. <i>Biotechnology and Bioengineering</i> , 2010 , 107, 917-23	4.9	16

751	An efficient data format for mass spectrometry-based proteomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1784-8	3.5	13
750	Characterization of an Ion Mobility-Multiplexed Collision Induced Dissociation-Tandem Time-of-Flight Mass Spectrometry Approach. <i>International Journal of Mass Spectrometry</i> , 2010 , 293, 34-44	4.9	27
749	Perturbations in the lipid profile of individuals with newly diagnosed type 1 diabetes mellitus: lipidomics analysis of a Diabetes Antibody Standardization Program sample subset. <i>Clinical Biochemistry</i> , 2010 , 43, 948-56	3.5	31
748	ACR Appropriateness Criteria: local-regional therapy for resectable oropharyngeal squamous cell carcinomas. <i>Current Problems in Cancer</i> , 2010 , 34, 175-92	2.3	4
747	Shotgun proteomics identifies proteins specific for acute renal transplant rejection. <i>Proteomics - Clinical Applications</i> , 2010 , 4, 32-47	3.1	87
746	Nanobiocatalysis for protein digestion in proteomic analysis. <i>Proteomics</i> , 2010 , 10, 687-99	4.8	50
745	Analyzing protease specificity and detecting in vivo proteolytic events using tandem mass spectrometry. <i>Proteomics</i> , 2010 , 10, 2833-44	4.8	22
744	Two-dimensional liquid chromatography system for online top-down mass spectrometry. <i>Proteomics</i> , 2010 , 10, 3610-20	4.8	42
743	Blood peptidome-degradome profile of breast cancer. <i>PLoS ONE</i> , 2010 , 5, e13133	3.7	50
742	Omics.pnl.gov: A Portal for the Distribution and Sharing of Multi-Disciplinary Pan-Omics Information. <i>Journal of Proteomics and Bioinformatics</i> , 2010 , 3, 1-4	2.1	8
741	Performing comparative peptidomics analyses of Salmonella from different growth conditions. <i>Methods in Molecular Biology</i> , 2010 , 615, 13-27	1.4	2
740	Proteomic Profiling of Murine Sperm from Caput and Cauda.. <i>Biology of Reproduction</i> , 2010 , 83, 500-500	3.9	
739	Proteome of Salmonella Enterica Serotype Typhimurium Grown in a Low Mg/pH Medium. <i>Journal of Proteomics and Bioinformatics</i> , 2009 , 2, 388-397	2.1	19
738	Effect of pressure on electrospray characteristics. <i>Applied Physics Letters</i> , 2009 , 95, 184103	3.4	23
737	Deletion of GPR40 impairs glucose-induced insulin secretion in vivo in mice without affecting intracellular fuel metabolism in islets. <i>Diabetes</i> , 2009 , 58, 2607-15	0.9	102
736	Normalization of peak intensities in bottom-up MS-based proteomics using singular value decomposition. <i>Bioinformatics</i> , 2009 , 25, 2573-80	7.2	71
735	Proteomic investigation of the time course responses of RAW 264.7 macrophages to infection with Salmonella enterica. <i>Infection and Immunity</i> , 2009 , 77, 3227-33	3.7	50
734	Dynamic host energetics and cytoskeletal proteomes in human immunodeficiency virus type 1-infected human primary CD4 cells: analysis by multiplexed label-free mass spectrometry. <i>Journal of Virology</i> , 2009 , 83, 9283-95	6.6	54

733	Pendular proteins in gases and new avenues for characterization of macromolecules by ion mobility spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6495-500	11.5	34
732	The polypill story from a ringside seat. <i>Journal of the Royal Society of Medicine</i> , 2009 , 102, 509-12	2.3	2
731	The economy-wide impact of pandemic influenza on the UK: a computable general equilibrium modelling experiment. <i>BMJ, The</i> , 2009 , 339, b4571	5.9	118
730	Decon2LS: An open-source software package for automated processing and visualization of high resolution mass spectrometry data. <i>BMC Bioinformatics</i> , 2009 , 10, 87	3.6	173
729	Dilution-free analysis from picoliter droplets by nano-electrospray ionization mass spectrometry. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6832-5	16.4	91
728	FT-ICR MS optimization for the analysis of intact proteins. <i>International Journal of Mass Spectrometry</i> , 2009 , 281, 32-38	1.9	42
727	Biases in ion transmission through an electrospray ionization-mass spectrometry capillary inlet. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 2265-72	3.5	43
726	Post-translational modifications of chicken myelin basic protein charge components. <i>Neurochemical Research</i> , 2009 , 34, 360-72	4.6	7
725	Highly stable trypsin-aggregate coatings on polymer nanofibers for repeated protein digestion. <i>Proteomics</i> , 2009 , 9, 1893-900	4.8	54
724	Transport functions dominate the SAR11 metaproteome at low-nutrient extremes in the Sargasso Sea. <i>ISME Journal</i> , 2009 , 3, 93-105	11.9	235
723	The COG complex, Rab6 and COPI define a novel Golgi retrograde trafficking pathway that is exploited by SubAB toxin. <i>Traffic</i> , 2009 , 10, 1502-17	5.7	62
722	Selection of the optimum electrospray voltage for gradient elution LC-MS measurements. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 682-8	3.5	12
721	Improving FAIMS sensitivity using a planar geometry with slit interfaces. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 1768-74	3.5	23
720	Automated metal-free multiple-column nanoLC for improved phosphopeptide analysis sensitivity and throughput. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 663-70	3.2	29
719	Ultrafast differential ion mobility spectrometry at extreme electric fields coupled to mass spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 8048-53	7.8	50
718	Evaluation of a high-intensity focused ultrasound-immobilized trypsin digestion and 18O-labeling method for quantitative proteomics. <i>Analytical Chemistry</i> , 2009 , 81, 6272-7	7.8	32
717	Large-scale multiplexed quantitative discovery proteomics enabled by the use of an (18)O-labeled "universal" reference sample. <i>Journal of Proteome Research</i> , 2009 , 8, 290-9	5.6	52
716	Integrated workflow for characterizing intact phosphoproteins from complex mixtures. <i>Analytical Chemistry</i> , 2009 , 81, 4210-9	7.8	25

715	A method for investigating protein-protein interactions related to salmonella typhimurium pathogenesis. <i>Journal of Proteome Research</i> , 2009 , 8, 1504-14	5.6	20
714	Mouse-specific tandem IgY7-SuperMix immunoaffinity separations for improved LC-MS/MS coverage of the plasma proteome. <i>Journal of Proteome Research</i> , 2009 , 8, 5387-95	5.6	15
713	An integrated top-down and bottom-up strategy for broadly characterizing protein isoforms and modifications. <i>Journal of Proteome Research</i> , 2009 , 8, 1347-57	5.6	71
712	A statistical framework for protein quantitation in bottom-up MS-based proteomics. <i>Bioinformatics</i> , 2009 , 25, 2028-34	7.2	117
711	Identification of cross-linked peptides after click-based enrichment using sequential collision-induced dissociation and electron transfer dissociation tandem mass spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 5524-32	7.8	77
710	Coulombic effects in ion mobility spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 4778-87	7.8	40
709	A simple procedure for effective quenching of trypsin activity and prevention of 18O-labeling back-exchange. <i>Journal of Proteome Research</i> , 2009 , 8, 2157-63	5.6	48
708	Confounding effect of obstructive jaundice in the interpretation of proteomic plasma profiling data for pancreatic cancer. <i>Journal of Proteome Research</i> , 2009 , 8, 142-8	5.6	36
707	Simulation of ion motion in FAIMS through combined use of SIMION and modified SDS. <i>Analytical Chemistry</i> , 2009 , 81, 8749-57	7.8	29
706	Regulation of the low-dose radiation paracrine-specific anchorage-independent growth response by annexin A2. <i>Radiation Research</i> , 2009 , 172, 96-105	3.1	10
705	Combined pulsed-Q dissociation and electron transfer dissociation for identification and quantification of iTRAQ-labeled phosphopeptides. <i>Analytical Chemistry</i> , 2009 , 81, 4137-43	7.8	29
704	Structural basis for a human glycosylation disorder caused by mutation of the COG4 gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13329-34	11.5	56
703	Dual spatial maps of transcript and protein abundance in the mouse brain. <i>Expert Review of Proteomics</i> , 2009 , 6, 243-9	4.2	6
702	Trade in health-related services. <i>Lancet, The</i> , 2009 , 373, 593-601	40	130
701	Trade, TRIPS, and pharmaceuticals. <i>Lancet, The</i> , 2009 , 373, 684-91	40	107
700	Trade and health: an agenda for action. <i>Lancet, The</i> , 2009 , 373, 768-73	40	50
699	An extensive survey of tyrosine phosphorylation revealing new sites in human mammary epithelial cells. <i>Journal of Proteome Research</i> , 2009 , 8, 3852-61	5.6	45
698	Ultrafast differential ion mobility spectrometry at extreme electric fields in multichannel microchips. <i>Analytical Chemistry</i> , 2009 , 81, 6489-95	7.8	82

697	A perspective on the Maillard reaction and the analysis of protein glycation by mass spectrometry: probing the pathogenesis of chronic disease. <i>Journal of Proteome Research</i> , 2009 , 8, 754-69	5.6	261
696	Molecular Tools and the Biology of Low-dose Effects. <i>BioScience</i> , 2009 , 59, 649-655	5.7	1
695	Global systems-level analysis of Hfq and SmpB deletion mutants in Salmonella: implications for virulence and global protein translation. <i>PLoS ONE</i> , 2009 , 4, e4809	3.7	102
694	Two-dimensional ion mobility analyses of proteins and peptides. <i>Methods in Molecular Biology</i> , 2009 , 492, 417-45	1.4	13
693	Human Proteinpedia enables sharing of human protein data. <i>Nature Biotechnology</i> , 2008 , 26, 164-7	44.5	138
692	Welfarism, extra-welfarism and capability: the spread of ideas in health economics. <i>Social Science and Medicine</i> , 2008 , 67, 1190-8	5.1	110
691	Analytical characterization of the electrospray ion source in the nanoflow regime. <i>Analytical Chemistry</i> , 2008 , 80, 6573-9	7.8	63
690	Elimination of systematic mass measurement errors in liquid chromatography-mass spectrometry based proteomics using regression models and a priori partial knowledge of the sample content. <i>Analytical Chemistry</i> , 2008 , 80, 693-706	7.8	32
689	Characterization of the mouse pancreatic islet proteome and comparative analysis with other mouse tissues. <i>Journal of Proteome Research</i> , 2008 , 7, 3114-26	5.6	41
688	Improved methods for the enrichment and analysis of glycosylated peptides. <i>Analytical Chemistry</i> , 2008 , 80, 9822-9	7.8	61
687	Does trypsin cut before proline?. <i>Journal of Proteome Research</i> , 2008 , 7, 300-5	5.6	180
686	Capillary-based multi nanoelectrospray emitters: improvements in ion transmission efficiency and implementation with capillary reversed-phase LC-ESI-MS. <i>Analytical Chemistry</i> , 2008 , 80, 143-9	7.8	63
685	Nanoelectrospray emitter arrays providing interemitter electric field uniformity. <i>Analytical Chemistry</i> , 2008 , 80, 5660-5	7.8	40
684	Rapid sample processing for LC-MS-based quantitative proteomics using high intensity focused ultrasound. <i>Journal of Proteome Research</i> , 2008 , 7, 3860-7	5.6	39
683	Characterization of strategies for obtaining confident identifications in bottom-up proteomics measurements using hybrid FTMS instruments. <i>Analytical Chemistry</i> , 2008 , 80, 8514-25	7.8	23
682	Linear discriminant analysis-based estimation of the false discovery rate for phosphopeptide identifications. <i>Journal of Proteome Research</i> , 2008 , 7, 2195-203	5.6	34
681	A computational strategy to analyze label-free temporal bottom-up proteomics data. <i>Journal of Proteome Research</i> , 2008 , 7, 2595-604	5.6	29
680	Proteomic profiling of nonenzymatically glycosylated proteins in human plasma and erythrocyte membranes. <i>Journal of Proteome Research</i> , 2008 , 7, 2025-32	5.6	97

679	Mass spectrometry analysis of proteome-wide proteolytic post-translational degradation of proteins. <i>Analytical Chemistry</i> , 2008 , 80, 5819-28	7.8	12
678	Proteomics analysis of the causative agent of typhoid fever. <i>Journal of Proteome Research</i> , 2008 , 7, 546-576	5.7	49
677	The influence of sample preparation and replicate analyses on HeLa Cell phosphoproteome coverage. <i>Journal of Proteome Research</i> , 2008 , 7, 2215-21	5.6	26
676	Fundamentals of traveling wave ion mobility spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 9689-99	7.8	368
675	Application of proteomics in the discovery of candidate protein biomarkers in a diabetes autoantibody standardization program sample subset. <i>Journal of Proteome Research</i> , 2008 , 7, 698-707	5.6	47
674	Proteome-wide identification of proteins and their modifications with decreased ambiguities and improved false discovery rates using unique sequence tags. <i>Analytical Chemistry</i> , 2008 , 80, 1871-82	7.8	45
673	Quantitative phosphoproteome analysis of lysophosphatidic acid induced chemotaxis applying dual-step (18)O labeling coupled with immobilized metal-ion affinity chromatography. <i>Journal of Proteome Research</i> , 2008 , 7, 4215-24	5.6	16
672	Comparative proteomics of human monkeypox and vaccinia intracellular mature and extracellular enveloped virions. <i>Journal of Proteome Research</i> , 2008 , 7, 960-8	5.6	48
671	Subambient pressure ionization with nanoelectrospray source and interface for improved sensitivity in mass spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 1800-5	7.8	63
670	Fully automated four-column capillary LC-MS system for maximizing throughput in proteomic analyses. <i>Analytical Chemistry</i> , 2008 , 80, 294-302	7.8	121
669	Elastomeric microchip electrospray emitter for stable cone-jet mode operation in the nanoflow regime. <i>Analytical Chemistry</i> , 2008 , 80, 3824-31	7.8	35
668	Control of ion distortion in field asymmetric waveform ion mobility spectrometry via variation of dispersion field and gas temperature. <i>Analytical Chemistry</i> , 2008 , 80, 7508-15	7.8	40
667	Application of pressurized solvents for ultrafast trypsin hydrolysis in proteomics: proteomics on the fly. <i>Journal of Proteome Research</i> , 2008 , 7, 3276-81	5.6	80
666	Differences between high- and low-affinity complexes of enzymes and nonenzymes. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 6432-41	8.3	23
665	Mitochondrial dysfunction, oxidative stress, and apoptosis revealed by proteomic and transcriptomic analyses of the striata in two mouse models of Parkinson's disease. <i>Journal of Proteome Research</i> , 2008 , 7, 666-77	5.6	79
664	A data-mining scheme for identifying peptide structural motifs responsible for different MS/MS fragmentation intensity patterns. <i>Journal of Proteome Research</i> , 2008 , 7, 70-9	5.6	45
663	Clustering millions of tandem mass spectra. <i>Journal of Proteome Research</i> , 2008 , 7, 113-22	5.6	187
662	De novo sequencing of unique sequence tags for discovery of post-translational modifications of proteins. <i>Analytical Chemistry</i> , 2008 , 80, 7742-54	7.8	34

661	The mammary epithelial cell secretome and its regulation by signal transduction pathways. <i>Journal of Proteome Research</i> , 2008 , 7, 558-69	5.6	29
660	High sensitivity proteomics assisted discovery of a novel operon involved in the assembly of photosystem II, a membrane protein complex. <i>Journal of Biological Chemistry</i> , 2008 , 283, 27829-27837	5.4	33
659	Proteomic analysis of stationary phase in the marine bacterium "Candidatus Pelagibacter ubique". <i>Applied and Environmental Microbiology</i> , 2008 , 74, 4091-100	4.8	55
658	The genome of Cyanothece 51142, a unicellular diazotrophic cyanobacterium important in the marine nitrogen cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15094-9	11.5	129
657	DAnTE: a statistical tool for quantitative analysis of -omics data. <i>Bioinformatics</i> , 2008 , 24, 1556-8	7.2	333
656	Human cytomegalovirus secretome contains factors that induce angiogenesis and wound healing. <i>Journal of Virology</i> , 2008 , 82, 6524-35	6.6	89
655	Spatial mapping of the neurite and soma proteomes reveals a functional Cdc42/Rac regulatory network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 19311-6	11.5	68
654	DeconMSn: a software tool for accurate parent ion monoisotopic mass determination for tandem mass spectra. <i>Bioinformatics</i> , 2008 , 24, 1021-3	7.2	128
653	Comparative proteogenomics: combining mass spectrometry and comparative genomics to analyze multiple genomes. <i>Genome Research</i> , 2008 , 18, 1133-42	9.7	90
652	What errors do peer reviewers detect, and does training improve their ability to detect them? <i>Journal of the Royal Society of Medicine</i> , 2008 , 101, 507-14	2.3	99
651	Enhanced detection of low abundance human plasma proteins using a tandem IgY12-SuperMix immunoaffinity separation strategy. <i>Molecular and Cellular Proteomics</i> , 2008 , 7, 1963-73	7.6	172
650	Proteogenomics: needs and roles to be filled by proteomics in genome annotation. <i>Briefings in Functional Genomics & Proteomics</i> , 2008 , 7, 50-62		116
649	Use of high-throughput mass spectrometry to elucidate host-pathogen interactions in Salmonella. <i>Future Microbiology</i> , 2008 , 3, 625-34	2.9	7
648	Human cytomegalovirus UL97 kinase activity is required for the hyperphosphorylation of retinoblastoma protein and inhibits the formation of nuclear aggresomes. <i>Journal of Virology</i> , 2008 , 82, 5054-67	6.6	92
647	Is private health care the answer to the health problems of the world's poor?. <i>PLoS Medicine</i> , 2008 , 5, e233	11.6	73
646	Role of the conserved oligomeric Golgi (COG) complex in protein glycosylation. <i>Carbohydrate Research</i> , 2008 , 343, 2024-31	2.9	81
645	Simultaneous fragmentation of multiple ions using IMS drift time dependent collision energies. <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 411-9	3.5	35
644	Analysis of non-enzymatically glycosylated peptides: neutral-loss-triggered MS(3) versus multi-stage activation tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 3027-34	2.2	32

643	Contingent valuation in health care: does it matter how the goods are described?. <i>Health Economics (United Kingdom)</i> , 2008 , 17, 607-17	2.4	16
642	Trapped-ion cell with improved DC potential harmonicity for FT-ICR MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 586-97	3.5	98
641	Optimum waveforms for differential ion mobility spectrometry (FAIMS). <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 1286-95	3.5	28
640	Characterization of the mouse bronchoalveolar lavage proteome by micro-capillary LC-FTICR mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 864, 95-101	3.2	11
639	Application of the accurate mass and time tag approach in studies of the human blood lipidome. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 871, 243-52	3.2	34
638	Proteome of <i>Geobacter sulfurreducens</i> grown with Fe(III) oxide or Fe(III) citrate as the electron acceptor. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008 , 1784, 1935-41	4	91
637	MASIC: a software program for fast quantitation and flexible visualization of chromatographic profiles from detected LC-MS(/MS) features. <i>Computational Biology and Chemistry</i> , 2008 , 32, 215-7	3.6	104
636	High Resolution Separations and Improved Ion Production and Transmission in Metabolomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 205-214	14.6	40
635	On-line digestion system for protein characterization and proteome analysis. <i>Analytical Chemistry</i> , 2008 , 80, 8930-6	7.8	45
634	Enhanced ion utilization efficiency using an electrodynamic ion funnel trap as an injection mechanism for ion mobility spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 612-23	7.8	91
633	Automated gain control ion funnel trap for orthogonal time-of-flight mass spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 5367-76	7.8	26
632	Dynamically multiplexed ion mobility time-of-flight mass spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 5873-83	7.8	60
631	Pseudorandom sequence modifications for ion mobility orthogonal time-of-flight mass spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 2464-73	7.8	39
630	Binding MOAD, a high-quality protein-ligand database. <i>Nucleic Acids Research</i> , 2008 , 36, D674-8	20.1	115
629	Comparative bacterial proteomics: analysis of the core genome concept. <i>PLoS ONE</i> , 2008 , 3, e1542	3.7	57
628	Optimization of proteomic sample preparation procedures for comprehensive protein characterization of pathogenic systems. <i>Journal of Biomolecular Techniques</i> , 2008 , 19, 285-95	1.1	13
627	Ion funnel trap interface for orthogonal time-of-flight mass spectrometry. <i>Analytical Chemistry</i> , 2007 , 79, 7845-52	7.8	62
626	Applying a targeted label-free approach using LC-MS AMT tags to evaluate changes in protein phosphorylation following phosphatase inhibition. <i>Journal of Proteome Research</i> , 2007 , 6, 4489-97	5.6	20

625	Quantitative proteomic approaches for studying phosphotyrosine signaling. <i>Expert Review of Proteomics</i> , 2007 , 4, 13-23	4.2	40
624	Whole proteome analysis of post-translational modifications: applications of mass-spectrometry for proteogenomic annotation. <i>Genome Research</i> , 2007 , 17, 1362-77	9.7	155
623	Identification of a denitrase activity against calmodulin in activated macrophages using high-field liquid chromatography--FTICR mass spectrometry. <i>Biochemistry</i> , 2007 , 46, 10498-505	3.2	55
622	Electrospray characteristic curves: in pursuit of improved performance in the nanoflow regime. <i>Analytical Chemistry</i> , 2007 , 79, 8030-6	7.8	47
621	Distortion of ion structures by field asymmetric waveform ion mobility spectrometry. <i>Analytical Chemistry</i> , 2007 , 79, 1523-8	7.8	63
620	Global public goods and the global health agenda: problems, priorities and potential. <i>Globalization and Health</i> , 2007 , 3, 9	10	36
619	Capillary LC coupled with high-mass measurement accuracy mass spectrometry for metabolic profiling. <i>Analytical Chemistry</i> , 2007 , 79, 6081-93	7.8	46
618	A method for selective enrichment and analysis of nitrotyrosine-containing peptides in complex proteome samples. <i>Journal of Proteome Research</i> , 2007 , 6, 2257-68	5.6	78
617	Accurate mass measurements in proteomics. <i>Chemical Reviews</i> , 2007 , 107, 3621-53	68.1	92
616	Optimization of algorithms for ion mobility calculations. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 2002-10	10	83
615	Enrichment and analysis of nonenzymatically glycosylated peptides: boronate affinity chromatography coupled with electron-transfer dissociation mass spectrometry. <i>Journal of Proteome Research</i> , 2007 , 6, 2323-30	5.6	142
614	Precautionary behavior in response to perceived threat of pandemic influenza. <i>Emerging Infectious Diseases</i> , 2007 , 13, 1307-13	10.2	155
613	The relationship between reliability and size of willingness-to-pay values: a qualitative insight. <i>Health Economics (United Kingdom)</i> , 2007 , 16, 211-6	2.4	7
612	Use, option and externality values: are contingent valuation studies in health care mis-specified?. <i>Health Economics (United Kingdom)</i> , 2007 , 16, 861-9	2.4	20
611	The role of reference goods in contingent valuation: should we help respondents to construct their willingness to pay?. <i>Health Economics (United Kingdom)</i> , 2007 , 16, 1319-32	2.4	10
610	Proteomic profiling of human liver biopsies: hepatitis C virus-induced fibrosis and mitochondrial dysfunction. <i>Hepatology</i> , 2007 , 46, 649-57	11.2	101
609	Phosphopeptide elution times in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2007 , 1172, 9-18	4.5	32
608	An electrodynamic ion funnel interface for greater sensitivity and higher throughput with linear ion trap mass spectrometers. <i>International Journal of Mass Spectrometry</i> , 2007 , 265, 244-250	1.9	23

607	On the numerical forms of contingent valuation responses. <i>Journal of Economic Psychology</i> , 2007 , 28, 462-476	2.5	12
606	Ion mobility spectrometry-mass spectrometry performance using electrodynamic ion funnels and elevated drift gas pressures. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1176-87	3.5	116
605	Targeted tandem mass spectrometry for high-throughput comparative proteomics employing NanoLC-FTICR MS with external ion dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1332-43	3.5	6
604	Ionization and transmission efficiency in an electrospray ionization-mass spectrometry interface. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1582-90	3.5	182
603	Scaling of the resolving power and sensitivity for planar FAIMS and mobility-based discrimination in flow- and field-driven analyzers. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1672-87	3.5	48
602	Application of electron transfer dissociation mass spectrometry in analyses of non-enzymatically glycosylated peptides. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 661-6	2.2	72
601	Evidence for a protective response by the gill proteome of rainbow trout exposed to X-ray induced bystander signals. <i>Proteomics</i> , 2007 , 7, 4171-80	4.8	55
600	The future of liquid chromatography-mass spectrometry (LC-MS) in metabolic profiling and metabolomic studies for biomarker discovery. <i>Biomarkers in Medicine</i> , 2007 , 1, 159-185	2.3	66
599	Head-to-head comparison of serum fractionation techniques. <i>Journal of Proteome Research</i> , 2007 , 6, 828-36	5.6	144
598	Multiplexed ion mobility spectrometry-orthogonal time-of-flight mass spectrometry. <i>Analytical Chemistry</i> , 2007 , 79, 2451-62	7.8	61
597	Profiling signaling polarity in chemotactic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 8328-33	11.5	73
596	Quantitative analysis of human immunodeficiency virus type 1-infected CD4+ cell proteome: dysregulated cell cycle progression and nuclear transport coincide with robust virus production. <i>Journal of Virology</i> , 2007 , 81, 7571-83	6.6	77
595	A genome-scale map of expression for a mouse brain section obtained using voxelation. <i>Physiological Genomics</i> , 2007 , 30, 313-21	3.6	23
594	Targeted protein degradation by Salmonella under phagosome-mimicking culture conditions investigated using comparative peptidomics. <i>Molecular and Cellular Proteomics</i> , 2007 , 6, 717-27	7.6	22
593	Proteomic profiling of intact proteins using WAX-RPLC 2-D separations and FTICR mass spectrometry. <i>Journal of Proteome Research</i> , 2007 , 6, 602-10	5.6	73
592	VIPER: an advanced software package to support high-throughput LC-MS peptide identification. <i>Bioinformatics</i> , 2007 , 23, 2021-3	7.2	178
591	Identification of a novel mitotic phosphorylation motif associated with protein localization to the mitotic apparatus. <i>Journal of Cell Science</i> , 2007 , 120, 4060-70	5.3	24
590	Spatial mapping of protein abundances in the mouse brain by voxelation integrated with high-throughput liquid chromatography-mass spectrometry. <i>Genome Research</i> , 2007 , 17, 328-36	9.7	53

589	Self-reported mental health-related quality of life and mortality in men and women in the European Prospective Investigation into Cancer (EPIC-Norfolk): a prospective population study. <i>Psychosomatic Medicine</i> , 2007 , 69, 410-4	3.7	20
588	Fruit and vegetable consumption and self-reported functional health in men and women in the European Prospective Investigation into Cancer-Norfolk (EPIC-Norfolk): a population-based cross-sectional study. <i>Public Health Nutrition</i> , 2007 , 10, 34-41	3.3	66
587	Modifiable lifestyle behaviors and functional health in the European Prospective Investigation into Cancer (EPIC)-Norfolk population study. <i>Preventive Medicine</i> , 2007 , 44, 109-16	4.3	23
586	Methods for pseudopodia purification and proteomic analysis. <i>Science's STKE: Signal Transduction Knowledge Environment</i> , 2007 , 2007, pl4		19
585	MicroSPE-nanoLC-ESI-MS/MS using 10-microm-i.d. silica-based monolithic columns for proteomics. <i>Analytical Chemistry</i> , 2007 , 79, 540-5	7.8	42
584	Array of chemically etched fused-silica emitters for improving the sensitivity and quantitation of electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2007 , 79, 4192-8	7.8	55
583	A league table of contingent valuation results for pharmaceutical interventions: a hard pill to swallow?. <i>Pharmacoeconomics</i> , 2007 , 25, 107-27	4.4	12
582	The use of a quantitative cysteinyl-peptide enrichment technology for high-throughput quantitative proteomics. <i>Methods in Molecular Biology</i> , 2007 , 359, 107-24	1.4	16
581	Responding to global infectious disease outbreaks: lessons from SARS on the role of risk perception, communication and management. <i>Social Science and Medicine</i> , 2006 , 63, 3113-23	5.1	446
580	Using size exclusion chromatography-RPLC and RPLC-CIEF as two-dimensional separation strategies for protein profiling. <i>Electrophoresis</i> , 2006 , 27, 2722-33	3.6	46
579	It's not just what you do, it's the way that you do it: the effect of different payment card formats and survey administration on willingness to pay for health gain. <i>Health Economics (United Kingdom)</i> , 2006 , 15, 281-93	2.4	52
578	How common is the prominence effect? Additional evidence to Whynes et al. <i>Health Economics (United Kingdom)</i> , 2006 , 15, 205-10	2.4	4
577	Empirical implications of response acquiescence in discrete-choice contingent valuation. <i>Health Economics (United Kingdom)</i> , 2006 , 15, 1077-89	2.4	14
576	HepatoProteomics: applying proteomic technologies to the study of liver function and disease. <i>Hepatology</i> , 2006 , 44, 299-308	11.2	46
575	Advances in proteomics data analysis and display using an accurate mass and time tag approach. <i>Mass Spectrometry Reviews</i> , 2006 , 25, 450-82	11	272
574	Medical journals and the mass media: moving from love and hate to love. <i>Journal of the Royal Society of Medicine</i> , 2006 , 99, 347-52	2.3	7
573	The highly profitable but unethical business of publishing medical research. <i>Journal of the Royal Society of Medicine</i> , 2006 , 99, 452-6	2.3	6
572	Differential label-free quantitative proteomic analysis of <i>Shewanella oneidensis</i> cultured under aerobic and suboxic conditions by accurate mass and time tag approach. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 714-25	7.6	80

571	Advances and challenges in liquid chromatography-mass spectrometry-based proteomics profiling for clinical applications. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 1727-44	7.6	281
570	Integrated molecular signature of disease: analysis of influenza virus-infected macaques through functional genomics and proteomics. <i>Journal of Virology</i> , 2006 , 80, 10813-28	6.6	110
569	Analysis of the Salmonella typhimurium proteome through environmental response toward infectious conditions. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 1450-61	7.6	98
568	High dynamic range characterization of the trauma patient plasma proteome. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 1899-913	7.6	131
567	Trade and public health: facing the challenges of globalisation. <i>Journal of Epidemiology and Community Health</i> , 2006 , 60, 650-1	5.1	14
566	Proteomic analysis of Salmonella enterica serovar typhimurium isolated from RAW 264.7 macrophages: identification of a novel protein that contributes to the replication of serovar typhimurium inside macrophages. <i>Journal of Biological Chemistry</i> , 2006 , 281, 29131-40	5.4	120
565	UniPep--a database for human N-linked glycosites: a resource for biomarker discovery. <i>Genome Biology</i> , 2006 , 7, R73	18.3	94
564	Characterization of the mouse brain proteome using global proteomic analysis complemented with cysteinyl-peptide enrichment. <i>Journal of Proteome Research</i> , 2006 , 5, 361-9	5.6	122
563	Chemically etched open tubular and monolithic emitters for nanoelectrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2006 , 78, 7796-801	7.8	214
562	Using economic analyses for local priority setting : the population cost-impact approach. <i>Applied Health Economics and Health Policy</i> , 2006 , 5, 45-54	3.4	8
561	A macroeconomic approach to evaluating policies to contain antimicrobial resistance: a case study of methicillin-resistant Staphylococcus aureus (MRSA). <i>Applied Health Economics and Health Policy</i> , 2006 , 5, 55-65	3.4	24
560	Ultra-sensitive and quantitative characterization of proteomes. <i>Molecular BioSystems</i> , 2006 , 2, 221-30		15
559	Toward plasma proteome profiling with ion mobility-mass spectrometry. <i>Journal of Proteome Research</i> , 2006 , 5, 2977-84	5.6	134
558	Robust algorithm for alignment of liquid chromatography-mass spectrometry analyses in an accurate mass and time tag data analysis pipeline. <i>Analytical Chemistry</i> , 2006 , 78, 7397-409	7.8	147
557	High-resolution field asymmetric waveform ion mobility spectrometry using new planar geometry analyzers. <i>Analytical Chemistry</i> , 2006 , 78, 3706-14	7.8	151
556	Feasibility of higher-order differential ion mobility separations using new asymmetric waveforms. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 2663-73	2.8	47
555	Field asymmetric waveform ion mobility spectrometry studies of proteins: Dipole alignment in ion mobility spectrometry?. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 21966-80	3.4	56
554	Evaluation of multiprotein immunoaffinity subtraction for plasma proteomics and candidate biomarker discovery using mass spectrometry. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 2167-74	7.6	188

553	Normalization approaches for removing systematic biases associated with mass spectrometry and label-free proteomics. <i>Journal of Proteome Research</i> , 2006 , 5, 277-86	5.6	287
552	Biomarker candidate identification in <i>Yersinia pestis</i> using organism-wide semiquantitative proteomics. <i>Journal of Proteome Research</i> , 2006 , 5, 3008-17	5.6	40
551	Endogenously nitrated proteins in mouse brain: links to neurodegenerative disease. <i>Biochemistry</i> , 2006 , 45, 8009-22	3.2	127
550	Mass measurement accuracy in analyses of highly complex mixtures based upon multidimensional recalibration. <i>Analytical Chemistry</i> , 2006 , 78, 8374-85	7.8	31
549	Characterization of the human pancreatic islet proteome by two-dimensional LC/MS/MS. <i>Journal of Proteome Research</i> , 2006 , 5, 3345-54	5.6	54
548	An IMS-IMS analogue of MS-MS. <i>Analytical Chemistry</i> , 2006 , 78, 4161-74	7.8	221
547	Application of the accurate mass and time tag approach to the proteome analysis of sub-cellular fractions obtained from <i>Rhodobacter sphaeroides</i> 2.4.1. Aerobic and photosynthetic cell cultures. <i>Journal of Proteome Research</i> , 2006 , 5, 1940-7	5.6	42
546	More sensitive and quantitative proteomic measurements using very low flow rate porous silica monolithic LC columns with electrospray ionization-mass spectrometry. <i>Journal of Proteome Research</i> , 2006 , 5, 1091-7	5.6	49
545	Characterizing the structures and folding of free proteins using 2-D gas-phase separations: observation of multiple unfolded conformers. <i>Analytical Chemistry</i> , 2006 , 78, 3304-15	7.8	83
544	Phosphoproteome profiling of human skin fibroblast cells in response to low- and high-dose irradiation. <i>Journal of Proteome Research</i> , 2006 , 5, 1252-60	5.6	100
543	Improved peptide elution time prediction for reversed-phase liquid chromatography-MS by incorporating peptide sequence information. <i>Analytical Chemistry</i> , 2006 , 78, 5026-39	7.8	147
542	LC-MS/MS based proteomic analysis and functional inference of hypothetical proteins in <i>Desulfovibrio vulgaris</i> . <i>Biochemical and Biophysical Research Communications</i> , 2006 , 349, 1412-9	3.4	14
541	Confirmation of the expression of a large set of conserved hypothetical proteins in <i>Shewanella oneidensis</i> MR-1. <i>Journal of Microbiological Methods</i> , 2006 , 66, 223-33	2.8	24
540	Comparison of aerobic and photosynthetic <i>Rhodobacter sphaeroides</i> 2.4.1 proteomes. <i>Journal of Microbiological Methods</i> , 2006 , 67, 424-36	2.8	35
539	Proteomic approaches to bacterial differentiation. <i>Journal of Microbiological Methods</i> , 2006 , 67, 473-86	2.8	20
538	Future directions for electrospray ionization for biological analysis using mass spectrometry. <i>BioTechniques</i> , 2006 , 41, 147-8	2.5	31
537	PRISM: a data management system for high-throughput proteomics. <i>Proteomics</i> , 2006 , 6, 1783-90	4.8	63
536	Quantitative proteome analysis of breast cancer cell lines using 18O-labeling and an accurate mass and time tag strategy. <i>Proteomics</i> , 2006 , 6, 2903-15	4.8	33

535	A proteomic view of <i>Desulfovibrio vulgaris</i> metabolism as determined by liquid chromatography coupled with tandem mass spectrometry. <i>Proteomics</i> , 2006 , 6, 4286-99	4.8	43
534	Obesity indices and self-reported functional health in men and women in the EPIC-Norfolk. <i>Obesity</i> , 2006 , 14, 884-93	8	13
533	The proteome of dissimilatory metal-reducing microorganism <i>Geobacter sulfurreducens</i> under various growth conditions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006 , 1764, 1198-2064		112
532	Exploring protein-ligand recognition with Binding MOAD. <i>Journal of Molecular Graphics and Modelling</i> , 2006 , 24, 414-25	2.8	53
531	Theoretical and experimental evaluation of the low m/z transmission of an electrodynamic ion funnel. <i>Journal of the American Society for Mass Spectrometry</i> , 2006 , 17, 586-592	3.5	44
530	Improving mass spectrometer sensitivity using a high-pressure electrodynamic ion funnel interface. <i>Journal of the American Society for Mass Spectrometry</i> , 2006 , 17, 1299-305	3.5	81
529	"Zero-length" cross-linking in solid state as an approach for analysis of protein-protein interactions. <i>Protein Science</i> , 2006 , 15, 429-40	6.3	20
528	AMT tag approach to proteomic characterization of <i>Deinococcus radiodurans</i> and <i>Shewanella oneidensis</i> . <i>Methods of Biochemical Analysis</i> , 2006 , 49, 113-34		9
527	Utilizing human blood plasma for proteomic biomarker discovery. <i>Journal of Proteome Research</i> , 2005 , 4, 1073-85	5.6	240
526	Two-dimensional gas-phase separations coupled to mass spectrometry for analysis of complex mixtures. <i>Analytical Chemistry</i> , 2005 , 77, 6381-8	7.8	111
525	Probability-based evaluation of peptide and protein identifications from tandem mass spectrometry and SEQUEST analysis: the human proteome. <i>Journal of Proteome Research</i> , 2005 , 4, 53-62	5.6	293
524	Can we use contingent valuation to assess the demand for childhood immunisation in developing countries?: a systematic review of the literature. <i>Applied Health Economics and Health Policy</i> , 2005 , 4, 165-73	3.4	13
523	Characterization of purified c-type heme-containing peptides and identification of c-type heme-attachment sites in <i>Shewanella oneidensis</i> cytochromes using mass spectrometry. <i>Journal of Proteome Research</i> , 2005 , 4, 846-54	5.6	19
522	Development and evaluation of a micro- and nanoscale proteomic sample preparation method. <i>Journal of Proteome Research</i> , 2005 , 4, 2397-403	5.6	141
521	Making broad proteome protein measurements in 1-5 min using high-speed RPLC separations and high-accuracy mass measurements. <i>Analytical Chemistry</i> , 2005 , 77, 7763-73	7.8	31
520	Human plasma N-glycoproteome analysis by immunoaffinity subtraction, hydrazide chemistry, and mass spectrometry. <i>Journal of Proteome Research</i> , 2005 , 4, 2070-80	5.6	365
519	Targeted comparative proteomics by liquid chromatography-tandem Fourier ion cyclotron resonance mass spectrometry. <i>Analytical Chemistry</i> , 2005 , 77, 400-6	7.8	45
518	Global whole-cell FTICR mass spectrometric proteomics analysis of the heat shock response in the radioresistant bacterium <i>Deinococcus radiodurans</i> . <i>Journal of Proteome Research</i> , 2005 , 4, 709-18	5.6	24

517	Ultrahigh-throughput proteomics using fast RPLC separations with ESI-MS/MS. <i>Analytical Chemistry</i> , 2005 , 77, 6692-701	7.8	63
516	Sensitivity to scale in contingent valuation: the importance of the budget constraint. <i>Journal of Health Economics</i> , 2005 , 24, 515-29	3.5	28
515	Assessing the macroeconomic impact of a healthcare problem: the application of computable general equilibrium analysis to antimicrobial resistance. <i>Journal of Health Economics</i> , 2005 , 24, 1055-75	3.5	72
514	Can we estimate the Social Value of a QALY? Four core issues to resolve. <i>Health Policy</i> , 2005 , 74, 77-84	3.2	37
513	Comparison of normal and breast cancer cell lines using proteome, genome, and interactome data. <i>Journal of Proteome Research</i> , 2005 , 4, 1952-60	5.6	29
512	Perspective: a program to improve protein biomarker discovery for cancer. <i>Journal of Proteome Research</i> , 2005 , 4, 1104-9	5.6	125
511	Automated 20 kpsi RPLC-MS and MS/MS with chromatographic peak capacities of 1000-1500 and capabilities in proteomics and metabolomics. <i>Analytical Chemistry</i> , 2005 , 77, 3090-100	7.8	218
510	Preparation of 20-microm-i.d. silica-based monolithic columns and their performance for proteomics analyses. <i>Analytical Chemistry</i> , 2005 , 77, 5028-35	7.8	132
509	Optimization of the design and operation of FAIMS analyzers. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 2-12	3.5	64
508	Automatic gain control in mass spectrometry using a jet disrupter electrode in an electrodynamic ion funnel. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 244-53	3.5	36
507	FAIMS operation for realistic gas flow profile and asymmetric waveforms including electronic noise and ripple. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 1447-1455	3.5	41
506	The utility of accurate mass and LC elution time information in the analysis of complex proteomes. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 1239-49	3.5	89
505	Ultra-sensitive, high throughput and quantitative proteomics measurements. <i>International Journal of Mass Spectrometry</i> , 2005 , 240, 195-212	1.9	16
504	High-sensitivity ion mobility spectrometry/mass spectrometry using electrodynamic ion funnel interfaces. <i>Analytical Chemistry</i> , 2005 , 77, 3330-9	7.8	225
503	Statistical characterization of the charge state and residue dependence of low-energy CID peptide dissociation patterns. <i>Analytical Chemistry</i> , 2005 , 77, 5800-13	7.8	203
502	Combining capillary electrophoresis with mass spectrometry for applications in proteomics. <i>Electrophoresis</i> , 2005 , 26, 1291-305	3.6	168
501	Evaluation of two-dimensional electrophoresis and liquid chromatography--tandem mass spectrometry for tissue-specific protein profiling of laser-microdissected plant samples. <i>Electrophoresis</i> , 2005 , 26, 2729-38	3.6	58
500	Proteomics by FTICR mass spectrometry: top down and bottom up. <i>Mass Spectrometry Reviews</i> , 2005 , 24, 168-200	11	375

499	Variable low-mass filtering using an electrodynamic ion funnel. <i>Journal of Mass Spectrometry</i> , 2005 , 40, 1215-22	2.2	15
498	Binding MOAD (Mother Of All Databases). <i>Proteins: Structure, Function and Bioinformatics</i> , 2005 , 60, 333-40	4.8	187
497	Comparative proteome analyses of human plasma following in vivo lipopolysaccharide administration using multidimensional separations coupled with tandem mass spectrometry. <i>Proteomics</i> , 2005 , 5, 572-84	4.8	120
496	Proteomic analysis of Lyme disease: global protein comparison of three strains of <i>Borrelia burgdorferi</i> . <i>Proteomics</i> , 2005 , 5, 1446-53	4.8	17
495	Improved proteome coverage by using high efficiency cysteinyl peptide enrichment: the human mammary epithelial cell proteome. <i>Proteomics</i> , 2005 , 5, 1263-73	4.8	63
494	Global detection and characterization of hypothetical proteins in <i>Shewanella oneidensis</i> MR-1 using LC-MS based proteomics. <i>Proteomics</i> , 2005 , 5, 3120-30	4.8	50
493	Characterization of the human blood plasma proteome. <i>Proteomics</i> , 2005 , 5, 4034-45	4.8	164
492	A proteomic study of the HUPO Plasma Proteome Project pilot samples using an accurate mass and time tag strategy. <i>Proteomics</i> , 2005 , 5, 3454-66	4.8	55
491	AMT Tag Approach to Proteomic Characterization of <i>Deinococcus radiodurans</i> and <i>Shewanella oneidensis</i> . <i>Methods of Biochemical Analysis</i> , 2005 , 113-134		
490	Advanced nanoscale separations and mass spectrometry for sensitive high-throughput proteomics. <i>Expert Review of Proteomics</i> , 2005 , 2, 431-47	4.2	33
489	High throughput quantitative analysis of serum proteins using glycopeptide capture and liquid chromatography mass spectrometry. <i>Molecular and Cellular Proteomics</i> , 2005 , 4, 144-55	7.6	176
488	Proteome analysis of liver cells expressing a full-length hepatitis C virus (HCV) replicon and biopsy specimens of posttransplantation liver from HCV-infected patients. <i>Journal of Virology</i> , 2005 , 79, 7558-69	6.6	74
487	Quantitative proteome analysis of human plasma following in vivo lipopolysaccharide administration using ¹⁶ O/ ¹⁸ O labeling and the accurate mass and time tag approach. <i>Molecular and Cellular Proteomics</i> , 2005 , 4, 700-9	7.6	144
486	Global profiling of <i>Shewanella oneidensis</i> MR-1: expression of hypothetical genes and improved functional annotations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 2099-104	11.5	106
485	Proteomic analyses using an accurate mass and time tag strategy. <i>BioTechniques</i> , 2004 , 37, 621-4, 626-33, 636 passim	2.5	135
484	A rational approach for discovering and validating cancer markers in very small samples using mass spectrometry and ELISA microarrays. <i>Disease Markers</i> , 2004 , 20, 135-48	3.2	24
483	High-throughput proteomics using Fourier transform ion cyclotron resonance mass spectrometry. <i>Expert Review of Proteomics</i> , 2004 , 1, 87-95	4.2	40
482	Proteome analysis of DNA damage-induced neuronal death using high throughput mass spectrometry. <i>Journal of Biological Chemistry</i> , 2004 , 279, 26685-97	5.4	22

481	Identification of Proteins in Human Cytomegalovirus (HCMV) Particles: the HCMV Proteome. <i>Journal of Virology</i> , 2004 , 78, 13395-13395	6.6	5
480	Identification of proteins in human cytomegalovirus (HCMV) particles: the HCMV proteome. <i>Journal of Virology</i> , 2004 , 78, 10960-6	6.6	460
479	Validation of Shewanella oneidensis MR-1 small proteins by AMT tag-based proteome analysis. <i>OMICS A Journal of Integrative Biology</i> , 2004 , 8, 239-54	3.8	43
478	Capillary isoelectric focusing--mass spectrometry of proteins and protein complexes. <i>Methods in Molecular Biology</i> , 2004 , 276, 291-304	1.4	6
477	Integrative analysis of the mitochondrial proteome in yeast. <i>PLoS Biology</i> , 2004 , 2, e160	9.7	165
476	A common open representation of mass spectrometry data and its application to proteomics research. <i>Nature Biotechnology</i> , 2004 , 22, 1459-66	44.5	632
475	Foreign direct investment and trade in health services: a review of the literature. <i>Social Science and Medicine</i> , 2004 , 59, 2313-23	5.1	74
474	Considerations for electron capture dissociation efficiency in FTICR mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2004 , 234, 131-136	1.9	26
473	Nanoscale proteomics. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 1037-45	4.4	42
472	Tailored noise waveform/collision-induced dissociation of ions stored in a linear ion trap combined with liquid chromatography/Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 2682-90	2.2	7
471	Improved detection of multi-phosphorylated peptides in the presence of phosphoric acid in liquid chromatography/mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004 , 39, 208-15	2.2	69
470	Proofreading activity of Pfu thermostable DNA polymerase on a 6-O-methylguanine-containing template monitored by ESI-FTICR mass spectrometry. <i>ChemBioChem</i> , 2004 , 5, 1012-5	3.8	2
469	An automated high performance capillary liquid chromatography-Fourier transform ion cyclotron resonance mass spectrometer for high-throughput proteomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 212-32	3.5	65
468	Charge competition and the linear dynamic range of detection in electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 1416-1423	3.5	208
467	Modeling the resolution and sensitivity of FAIMS analyses. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 1487-1498	3.5	81
466	Collisional activation of ions in RF ion traps and ion guides: the effective ion temperature treatment. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 1616-28	3.5	54
465	FTICR mass spectrometry for qualitative and quantitative bioanalyses. <i>Current Opinion in Biotechnology</i> , 2004 , 15, 3-11	11.4	45
464	The reliability of willingness to pay for changes in health status. <i>Applied Health Economics and Health Policy</i> , 2004 , 3, 35-8	3.4	11

463	Calculating society's willingness to pay for a QALY: key questions for discussion. <i>Applied Health Economics and Health Policy</i> , 2004 , 3, 125-6	3.4	3
462	Ultrasensitive and quantitative analyses from combined separations-mass spectrometry for the characterization of proteomes. <i>Accounts of Chemical Research</i> , 2004 , 37, 269-78	24.3	132
461	Global analysis of the membrane subproteome of <i>Pseudomonas aeruginosa</i> using liquid chromatography-tandem mass spectrometry. <i>Journal of Proteome Research</i> , 2004 , 3, 434-44	5.6	52
460	High-throughput comparative proteome analysis using a quantitative cysteinyl-peptide enrichment technology. <i>Analytical Chemistry</i> , 2004 , 76, 5345-53	7.8	134
459	Understanding and designing field asymmetric waveform ion mobility spectrometry separations in gas mixtures. <i>Analytical Chemistry</i> , 2004 , 76, 7366-74	7.8	85
458	Multidimensional proteome analysis of human mammary epithelial cells. <i>Journal of Proteome Research</i> , 2004 , 3, 68-75	5.6	84
457	Application of peptide LC retention time information in a discriminant function for peptide identification by tandem mass spectrometry. <i>Journal of Proteome Research</i> , 2004 , 3, 760-9	5.6	127
456	Ultra-high-efficiency strong cation exchange LC/RPLC/MS/MS for high dynamic range characterization of the human plasma proteome. <i>Analytical Chemistry</i> , 2004 , 76, 1134-44	7.8	273
455	Dissociation behavior of doubly-charged tryptic peptides: correlation of gas-phase cleavage abundance with ramachandran plots. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3034-5	16.4	63
454	Ultrasensitive proteomics using high-efficiency on-line micro-SPE-nanoLC-nanoESI MS and MS/MS. <i>Analytical Chemistry</i> , 2004 , 76, 144-54	7.8	173
453	Genomics knowledge and equity: a global public goods perspective of the patent system. <i>Bulletin of the World Health Organization</i> , 2004 , 82, 385-9	8.2	13
452	The Use of Accurate Mass and Time Tags Based Upon High-Throughput Fourier Transform Ion Cyclotron Resonance Mass Spectrometry for Global Proteomic Characterization 2004 , 183-224		
451	High-performance separations and mass spectrometric methods for high-throughput proteomics using accurate mass tags. <i>Advances in Protein Chemistry</i> , 2003 , 65, 85-131		5
450	Proteomic characterization of nipple aspirate fluid: identification of potential biomarkers of breast cancer. <i>Breast Cancer Research and Treatment</i> , 2003 , 80, 87-97	4.4	103
449	Use of artificial neural networks for the accurate prediction of peptide liquid chromatography elution times in proteome analyses. <i>Analytical Chemistry</i> , 2003 , 75, 1039-48	7.8	261
448	Proteome analysis by mass spectrometry. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 2003 , 32, 399-424		117
447	Construction of the contingent valuation market in health care: a critical assessment. <i>Health Economics (United Kingdom)</i> , 2003 , 12, 609-28	2.4	127
446	Willingness to pay and size of health benefit: an integrated model to test for sensitivity to scale. <i>Health Economics (United Kingdom)</i> , 2003 , 12, 791-6	2.4	18

445	Proteome analyses using accurate mass and elution time peptide tags with capillary LC time-of-flight mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 980-985	3.5	136
444	Suppression of the lower charge state ions in the external accumulation RF multipole with a reduced trapping DC potential. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 1229-35	3.5	2
443	Stable isotope-coded proteomic mass spectrometry. <i>Current Opinion in Biotechnology</i> , 2003 , 14, 101-9	11.4	167
442	Modeling the ion density distribution in collisional cooling RF multipole ion guides. <i>International Journal of Mass Spectrometry</i> , 2003 , 222, 155-174	1.9	32
441	Identification of tryptic peptides from large databases using multiplexed tandem mass spectrometry: simulations and experimental results. <i>Proteomics</i> , 2003 , 3, 1279-86	4.8	30
440	Detection of in situ labeled cell surface proteins by mass spectrometry: application to the membrane subproteome of human mammary epithelial cells. <i>Proteomics</i> , 2003 , 3, 1647-51	4.8	24
439	Initial implementation of external accumulation liquid chromatography/electrospray ionization Fourier transform ion cyclotron resonance with automated gain control. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 627-36	2.2	31
438	Automated gain control and internal calibration with external ion accumulation capillary liquid chromatography-electrospray ionization Fourier transform ion cyclotron resonance. <i>Analytical Chemistry</i> , 2003 , 75, 4195-205	7.8	71
437	High mass measurement accuracy determination for proteomics using multivariate regression fitting: application to electrospray ionization time-of-flight mass spectrometry. <i>Analytical Chemistry</i> , 2003 , 75, 460-8	7.8	39
436	Phosphoprotein isotope-coded solid-phase tag approach for enrichment and quantitative analysis of phosphopeptides from complex mixtures. <i>Analytical Chemistry</i> , 2003 , 75, 5441-50	7.8	129
435	Duplex foldamers from assembly induced folding. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9932-3	16.4	52
434	Integration of electrokinetic-based multidimensional separation/concentration platform with electrospray ionization-Fourier transform ion cyclotron resonance-mass spectrometry for proteome analysis of <i>Shewanella oneidensis</i> . <i>Analytical Chemistry</i> , 2003 , 75, 4432-40	7.8	65
433	Affinity labeling of highly hydrophobic integral membrane proteins for proteome-wide analysis. <i>Journal of Proteome Research</i> , 2003 , 2, 153-61	5.6	72
432	High-efficiency on-line solid-phase extraction coupling to 15-150-microm-i.d. column liquid chromatography for proteomic analysis. <i>Analytical Chemistry</i> , 2003 , 75, 3596-3605	7.8	99
431	Trends in mass spectrometry instrumentation for proteomics. <i>Trends in Biotechnology</i> , 2002 , 20, S3-7	15.1	46
430	Proteome analysis of camptothecin-treated cortical neurons using isotope-coded affinity tags. <i>Electrophoresis</i> , 2002 , 23, 1591-8	3.6	34
429	Proteomics based on high-efficiency capillary separations. <i>Electrophoresis</i> , 2002 , 23, 3106-24	3.6	152
428	Integration of capillary isoelectric focusing with capillary reversed-phase liquid chromatography for two-dimensional proteomics separation. <i>Electrophoresis</i> , 2002 , 23, 3143-8	3.6	84

427	Evaluation of enzymatic digestion and liquid chromatography-mass spectrometry peptide mapping of the integral membrane protein bacteriorhodopsin. <i>Electrophoresis</i> , 2002 , 23, 3224-32	3.6	31
426	An accurate mass tag strategy for quantitative and high-throughput proteome measurements. <i>Proteomics</i> , 2002 , 2, 513-23	4.8	386
425	Selective incorporation of isotopically labeled amino acids for identification of intact proteins on a proteome-wide level. <i>Journal of Mass Spectrometry</i> , 2002 , 37, 99-107	2.2	88
424	Gene expression profiling using advanced mass spectrometric approaches. <i>Journal of Mass Spectrometry</i> , 2002 , 37, 1185-98	2.2	33
423	Advanced mass spectrometric methods for the rapid and quantitative characterization of proteomes. <i>Comparative and Functional Genomics</i> , 2002 , 3, 143-50		11
422	Superbugs II: how should economic evaluation be conducted for interventions which aim to contain antimicrobial resistance?. <i>Health Economics (United Kingdom)</i> , 2002 , 11, 637-47	2.4	40
421	Higher-resolution data-dependent selective external ion accumulation for capillary LC-FTICR. <i>International Journal of Mass Spectrometry</i> , 2002 , 218, 265-279	1.9	14
420	Mass measurement errors caused by Ncal" frequency perturbations in FTICR mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2002 , 13, 99-106	3.5	73
419	ESI-FTICR mass spectrometry employing data-dependent external ion selection and accumulation. <i>Journal of the American Society for Mass Spectrometry</i> , 2002 , 13, 144-54	3.5	65
418	Charge effects for differentiation of oligodeoxynucleotide isomers containing 8-oxo-dG residues. <i>Journal of the American Society for Mass Spectrometry</i> , 2002 , 13, 195-9	3.5	17
417	Frequency shifts due to the interference of resolved peaks in magnitude-mode Fourier-transform ion cyclotron resonance mass spectra. <i>Journal of the American Society for Mass Spectrometry</i> , 2002 , 13, 387-401	3.5	6
416	Increased proteome coverage for quantitative peptide abundance measurements based upon high performance separations and DREAMS FTICR mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2002 , 13, 954-63	3.5	50
415	Toward a human blood serum proteome: analysis by multidimensional separation coupled with mass spectrometry. <i>Molecular and Cellular Proteomics</i> , 2002 , 1, 947-55	7.6	622
414	The use of accurate mass tags for high-throughput microbial proteomics. <i>OMICS A Journal of Integrative Biology</i> , 2002 , 6, 61-90	3.8	63
413	Creating nanocavities of tunable sizes: hollow helices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 11583-8	11.5	130
412	Direct mass spectrometric analysis of intact proteins of the yeast large ribosomal subunit using capillary LC/FTICR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 5942-7	11.5	165
411	Genomes to Life "Center for Molecular and Cellular Systems": a research program for identification and characterization of protein complexes. <i>OMICS A Journal of Integrative Biology</i> , 2002 , 6, 287-303	3.8	6
410	Global analysis of the <i>Deinococcus radiodurans</i> proteome by using accurate mass tags. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 11049-54	11.5	355

409	High Performance Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry at Low Magnetic Field. <i>European Journal of Mass Spectrometry</i> , 2002 , 8, 169-176	1.1	5
408	High-efficiency nanoscale liquid chromatography coupled on-line with mass spectrometry using nanoelectrospray ionization for proteomics. <i>Analytical Chemistry</i> , 2002 , 74, 4235-49	7.8	249
407	Low-energy collision-induced dissociation fragmentation analysis of cysteinyl-modified peptides. <i>Analytical Chemistry</i> , 2002 , 74, 2284-92	7.8	70
406	High-throughput global peptide proteomic analysis by combining stable isotope amino acid labeling and data-dependent multiplexed-MS/MS. <i>Analytical Chemistry</i> , 2002 , 74, 4994-5000	7.8	60
405	Phosphoprotein isotope-coded affinity tags: application to the enrichment and identification of low-abundance phosphoproteins. <i>Analytical Chemistry</i> , 2002 , 74, 607-16	7.8	144
404	Independent control of ion transmission in a jet disrupter dual-channel ion funnel electrospray ionization MS interface. <i>Analytical Chemistry</i> , 2002 , 74, 5431-7	7.8	54
403	Enrichment of integral membrane proteins for proteomic analysis using liquid chromatography-tandem mass spectrometry. <i>Journal of Proteome Research</i> , 2002 , 1, 351-60	5.6	216
402	Myxoma virus immunomodulatory protein M156R is a structural mimic of eukaryotic translation initiation factor eIF2alpha. <i>Journal of Molecular Biology</i> , 2002 , 322, 943-54	6.5	38
401	Antimicrobial resistance: a global response. <i>Bulletin of the World Health Organization</i> , 2002 , 80, 126-33	8.2	82
400	Aberrant mobility phenomena of the DNA repair protein XPA. <i>Protein Science</i> , 2001 , 10, 1353-62	6.3	61
399	Ion discrimination during ion accumulation in a quadrupole interface external to a Fourier transform ion cyclotron resonance mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2001 , 208, 205-225	1.9	46
398	Electrospray ionization-Fourier transform ion cyclotron mass spectrometry using ion preselection and external accumulation for ultrahigh sensitivity. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 38-48	3.5	46
397	Physical/chemical separations in the break-up of highly charged droplets from electrosprays. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 343-7	3.5	71
396	A dynamic ion cooling technique for FTICR mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 1169-73	3.5	13
395	Controlled ion fragmentation in a 2-D quadrupole ion trap for external ion accumulation in ESI FTICR mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 1312-9	3.5	23
394	A new technique for unbiased external ion accumulation in a quadrupole two-dimensional ion trap for electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001 , 15, 1172-80	2.2	24
393	Dynamically assisted gated trapping for Fourier transform ion cyclotron mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001 , 15, 1558-61	2.2	8
392	Optimal pressure conditions for unbiased external ion accumulation in a two-dimensional radio-frequency quadrupole for Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001 , 15, 1988-96	2.2	11

391	The relative sensitivity of willingness-to-pay and time-trade-off to changes in health status: an empirical investigation. <i>Health Economics (United Kingdom)</i> , 2001 , 10, 487-97	2.4	27
390	Theory versus practice: a review of Willingness-to-payNn health and health care. <i>Health Economics (United Kingdom)</i> , 2001 , 10, 39-52	2.4	287
389	Rapid quantitative measurements of proteomes by Fourier transform ion cyclotron resonance mass spectrometry. <i>Electrophoresis</i> , 2001 , 22, 1652-68	3.6	95
388	High-efficiency capillary isoelectric focusing of protein complexes from Escherichia coli cytosolic extracts. <i>Journal of Chromatography A</i> , 2001 , 914, 257-64	4.5	21
387	Identification of intrinsic order and disorder in the DNA repair protein XPA. <i>Protein Science</i> , 2001 , 10, 560-71	6.3	101
386	From proteases to proteomics. <i>Protein Science</i> , 2001 , 10, 892-904	6.3	111
385	Economics of fall prevention programs: evidence and research priorities. <i>Expert Review of Pharmacoeconomics and Outcomes Research</i> , 2001 , 1, 59-67	2.2	5
384	Phosphoprotein isotope-coded affinity tag approach for isolating and quantitating phosphopeptides in proteome-wide analyses. <i>Analytical Chemistry</i> , 2001 , 73, 2578-86	7.8	320
383	High-throughput peptide identification from protein digests using data-dependent multiplexed tandem FTICR mass spectrometry coupled with capillary liquid chromatography. <i>Analytical Chemistry</i> , 2001 , 73, 3312-22	7.8	76
382	Generation of multiple electrosprays using microfabricated emitter arrays for improved mass spectrometric sensitivity. <i>Analytical Chemistry</i> , 2001 , 73, 1658-63	7.8	143
381	Quantitative analysis of bacterial and mammalian proteomes using a combination of cysteine affinity tags and 15N-metabolic labeling. <i>Analytical Chemistry</i> , 2001 , 73, 2132-9	7.8	272
380	Packed capillary reversed-phase liquid chromatography with high-performance electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry for proteomics. <i>Analytical Chemistry</i> , 2001 , 73, 1766-75	7.8	205
379	High-throughput proteomics using high-efficiency multiple-capillary liquid chromatography with on-line high-performance ESI FTICR mass spectrometry. <i>Analytical Chemistry</i> , 2001 , 73, 3011-21	7.8	173
378	Dynamic range expansion applied to mass spectrometry based on data-dependent selective ion ejection in capillary liquid chromatography fourier transform ion cyclotron resonance for enhanced proteome characterization. <i>Analytical Chemistry</i> , 2001 , 73, 5052-60	7.8	65
377	Basicity of the amino groups of the aminoglycoside amikacin using capillary electrophoresis and coupled CE-MS-MS techniques. <i>Analytical Chemistry</i> , 2001 , 73, 4028-36	7.8	26
376	Design and performance of an ESI interface for selective external ion accumulation coupled to a Fourier transform ion cyclotron mass spectrometer. <i>Analytical Chemistry</i> , 2001 , 73, 253-61	7.8	79
375	A multicapillary inlet jet disruption electrodynamic ion funnel interface for improved sensitivity using atmospheric pressure ion sources. <i>Analytical Chemistry</i> , 2001 , 73, 4162-70	7.8	80
374	MS for identification of single nucleotide polymorphisms and MS/MS for discrimination of isomeric PCR products. <i>Analytical Chemistry</i> , 2000 , 72, 4033-40	7.8	38

373	High-resolution capillary isoelectric focusing of proteins using highly hydrophilic-substituted cellulose-coated capillaries 2000 , 12, 135-141		108
372	A novel high-performance fourier transform ion cyclotron resonance cell for improved biopolymer characterization. <i>Journal of Mass Spectrometry</i> , 2000 , 35, 85-94	2.2	27
371	Microfabricated isoelectric focusing device for direct electrospray ionization-mass spectrometry. <i>Electrophoresis</i> , 2000 , 21, 191-7	3.6	151
370	Mass spectrometric detection for capillary isoelectric focusing separations of complex protein mixtures. <i>Electrophoresis</i> , 2000 , 21, 1372-80	3.6	121
369	Radial stratification of ions as a function of mass to charge ratio in collisional cooling radio frequency multipoles used as ion guides or ion traps. <i>Rapid Communications in Mass Spectrometry</i> , 2000 , 14, 1907-13	2.2	52
368	Characterization of human alcohol dehydrogenase isoenzymes by capillary isoelectric focusing-mass spectrometry. <i>Electrophoresis</i> , 2000 , 21, 2368-75	3.6	27
367	Two-dimensional electrophoretic/chromatographic separations combined with electrospray ionization FTICR mass spectrometry for high throughput proteome analysis. <i>Journal of Separation Science</i> , 2000 , 12, 383-390		22
366	Simulation-based optimization of the electrodynamic ion funnel for high sensitivity electrospray ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2000 , 203, 31-47	1.9	77
365	Evolution of esi ^h mass spectrometry and fourier transform ion cyclotron resonance for proteomics and other biological applications. <i>International Journal of Mass Spectrometry</i> , 2000 , 200, 509-544	1.9	69
364	Obtaining more accurate Fourier transform ion cyclotron resonance mass measurements without internal standards using multiply charged ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 416-21	3.5	58
363	Proteome analysis using selective incorporation of isotopically labeled amino acids. <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 78-82	3.5	130
362	Initial implementation of an electrodynamic ion funnel with Fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 19-23	3.5	69
361	A simple nanoelectrospray arrangement with controllable flowrate for mass analysis of submicroliter protein samples. <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 94-9	3.5	18
360	Electrospray ionization Fourier transform ion cyclotron resonance mass spectrometric analysis of the recombinant human macrophage colony stimulating factor beta and derivatives. <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 237-43	3.5	15
359	Electrospray ionization Fourier transform ion cyclotron resonance analysis of large polymerase chain reaction products. <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 333-7	3.5	21
358	The discrete-choice willingness-to-pay question format in health economics: should we adopt environmental guidelines?. <i>Medical Decision Making</i> , 2000 , 20, 194-206	2.5	82
357	Protein identification with a single accurate mass of a cysteine-containing peptide and constrained database searching. <i>Analytical Chemistry</i> , 2000 , 72, 1112-8	7.8	128
356	Utility of accurate mass tags for proteome-wide protein identification. <i>Analytical Chemistry</i> , 2000 , 72, 3349-54	7.8	252

355	Promoting the health of people with physical disabilities: a discussion of the financing and organization of public health services in Australia. <i>Health Promotion International</i> , 2000 , 15, 79-86	3	14
354	Capillary isoelectric focusing of yeast cells. <i>Analytical Chemistry</i> , 2000 , 72, 4603-7	7.8	57
353	High-efficiency capillary isoelectric focusing of peptides. <i>Analytical Chemistry</i> , 2000 , 72, 2154-9	7.8	90
352	Improved ion transmission from atmospheric pressure to high vacuum using a multicapillary inlet and electrodynamic ion funnel interface. <i>Analytical Chemistry</i> , 2000 , 72, 5014-9	7.8	53
351	Design and implementation of a new electrodynamic ion funnel. <i>Analytical Chemistry</i> , 2000 , 72, 2247-55	7.8	173
350	Charge capacity limitations of radio frequency ion guides in their use for improved ion accumulation and trapping in mass spectrometry. <i>Analytical Chemistry</i> , 2000 , 72, 970-8	7.8	43
349	Accurate mass multiplexed tandem mass spectrometry for high-throughput polypeptide identification from mixtures. <i>Analytical Chemistry</i> , 2000 , 72, 1918-24	7.8	108
348	Characterization of microorganisms and biomarker development from global ESI-MS/MS analyses of cell lysates. <i>Analytical Chemistry</i> , 2000 , 72, 2475-81	7.8	51
347	Stepwise mobilization of focused proteins in capillary isoelectric focusing mass spectrometry. <i>Analytical Chemistry</i> , 2000 , 72, 1462-8	7.8	42
346	Separation and detection of intact noncovalent protein complexes from mixtures by on-line capillary isoelectric focusing-mass spectrometry. <i>Analytical Chemistry</i> , 2000 , 72, 5356-60	7.8	65
345	Zeptomole-sensitivity electrospray ionization--Fourier transform ion cyclotron resonance mass spectrometry of proteins. <i>Analytical Chemistry</i> , 2000 , 72, 2271-9	7.8	144
344	Radial stratification of ions as a function of mass to charge ratio in collisional cooling radio frequency multipoles used as ion guides or ion traps 2000 , 14, 1907		1
343	Laser micromachined isoelectric focusing devices on polymer substrate for electrospray mass spectrometry 1999 , 3877, 28		4
342	Theoretical prediction of charged droplet evaporation and fission in electrospray ionization. <i>International Journal of Mass Spectrometry</i> , 1999 , 185-187, 97-105	1.9	20
341	Pressure limited sustained off-resonance irradiation for collision-activated dissociation in fourier transform mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1999 , 10, 15-8	3.5	8
340	Electrospray ionization-mass spectrometry study of the interaction of cisplatin-adducted oligonucleotides with human XPA minimal binding domain protein. <i>Analytical Biochemistry</i> , 1999 , 272, 26-33	3.1	31
339	An integrated microfabricated device for dual microdialysis and on-line ESI-ion trap mass spectrometry for analysis of complex biological samples. <i>Analytical Chemistry</i> , 1999 , 71, 1485-90	7.8	116
338	Characterization of an improved electrodynamic ion funnel interface for electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 1999 , 71, 2957-64	7.8	120

337	High-mass-measurement accuracy and 100% sequence coverage of enzymatically digested bovine serum albumin from an ESI-FTICR mass spectrum. <i>Analytical Chemistry</i> , 1999 , 71, 2595-9	7.8	87
336	Probing proteomes using capillary isoelectric focusing-electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Analytical Chemistry</i> , 1999 , 71, 2076-84	7.8	220
335	Probing the energetics of dissociation of carbonic anhydrase-ligand complexes in the gas phase. <i>Biophysical Journal</i> , 1999 , 76, 3253-60	2.9	45
334	High-resolution capillary isoelectric focusing of complex protein mixtures from lysates of microorganisms. <i>Analytical Chemistry</i> , 1999 , 71, 5348-53	7.8	68
333	Retrieval of DNA Using Soft-Landing after Mass Analysis by ESI-FTICR for Enzymatic Manipulation. <i>Journal of the American Chemical Society</i> , 1999 , 121, 8961-8962	16.4	38
332	High Throughput Proteome-Wide Precision Measurements of Protein Expression Using Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 1999 , 121, 7949-7950	16.4	194
331	Microfluidic Devices on Polymer Substrates for Bioanalytical Applications 1999 , 451-460		1
330	Probing RegA/RNA interactions using electrospray ionization-fourier transform ion cyclotron resonance-mass spectrometry. <i>Analytical Biochemistry</i> , 1998 , 262, 67-76	3.1	24
329	The use of a stable internal mass standard for accurate mass measurements of oligonucleotide fragment ions using electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry with infrared multiphoton dissociation 1998 , 12, 1400-1404		32
328	Electrospray ionization-mass spectrometry characterization of heterotetrameric sarcosine oxidase. <i>Journal of the American Society for Mass Spectrometry</i> , 1998 , 9, 510-5	3.5	5
327	Electrospray ionization-Fourier transform ion cyclotron resonance mass spectrometry at 11.5 tesla: instrument design and initial results. <i>Journal of the American Society for Mass Spectrometry</i> , 1998 , 9, 692-700	3.5	45
326	Improved isotopic abundance measurements for high resolution fourier transform ion cyclotron resonance mass spectra via time-domain data extraction. <i>Journal of the American Society for Mass Spectrometry</i> , 1998 , 9, 799-804	3.5	27
325	The observation of chaperone-ligand noncovalent complexes with electrospray ionization mass spectrometry. <i>Protein Science</i> , 1998 , 7, 1180-5	6.3	36
324	The interaction between the chaperone SecB and its ligands: evidence for multiple subsites for binding. <i>Protein Science</i> , 1998 , 7, 2384-90	6.3	39
323	Controlling antimicrobial resistance: a proposed transferable permit market. <i>Health Policy</i> , 1998 , 43, 219-32	3.2	17
322	On-line dual microdialysis with ESI-MS for direct analysis of complex biological samples and microorganism lysates. <i>Analytical Chemistry</i> , 1998 , 70, 1797-801	7.8	73
321	Characterization of a novel covalent monoadduct on the RNA overhang of an RNA-DNA hybrid induced by antitumor antibiotic neocarzinostatin. <i>Biochemistry</i> , 1998 , 37, 1706-13	3.2	6
320	A microfabricated dialysis device for sample cleanup in electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 1998 , 70, 3553-6	7.8	146

319	An ion funnel interface for improved ion focusing and sensitivity using electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 1998 , 70, 4111-9	7.8	206
318	Characterization of microdialysis acidification for capillary isoelectric focusing-microelectrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 1998 , 70, 4945-50	7.8	51
317	Large Molecule Characterization Based upon Individual Ion Detection with Electrospray Ionization-FTICR Mass Spectrometry. <i>Analytical Chemistry</i> , 1998 , 70, 519-25	7.8	20
316	Heterogeneity in <i>Bacillus cereus</i> PCR products detected by ESI-FTICR mass spectrometry. <i>Analytical Chemistry</i> , 1998 , 70, 1203-7	7.8	29
315	Correlation between the Charge of Proteins in Solution and in the Gas Phase Investigated by Protein Charge Ladders, Capillary Electrophoresis, and Electrospray Ionization Mass Spectrometry. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 10596-10601	3.4	41
314	Capillary isoelectric focusing-electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry for protein characterization. <i>Analytical Chemistry</i> , 1998 , 70, 3235-41	7.8	83
313	In-trap cleanup of proteins from electrospray ionization using soft sustained off-resonance irradiation with fourier transform ion cyclotron resonance mass spectrometry. <i>Analytical Chemistry</i> , 1998 , 70, 405-8	7.8	35
312	Microfabricated Dual-Microdialysis and Capillary Isoelectric Focusing Devices for Cleanup and Separations / Mass Spectrometric Analysis of Biomolecules 1998 , 343-346		1
311	Sequencing and Characterization of Larger Oligonucleotides by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Reviews in Analytical Chemistry</i> , 1998 , 17, 1-68	2.3	30
310	Nanoscale Tectonics: Self-Assembly, Characterization, and Chemistry of a Novel Class of Organoplatinum Square Macrocycles. <i>Journal of the American Chemical Society</i> , 1997 , 119, 11611-11619	16.4	92
309	New mass spectrometric methods for the study of noncovalent associations of biopolymers. <i>Chemical Society Reviews</i> , 1997 , 26, 191	58.5	163
308	Carbonic Anhydrase-Inhibitor Binding: From Solution to the Gas Phase. <i>Journal of the American Chemical Society</i> , 1997 , 119, 1157-1158	16.4	91
307	Transition-Metal-Mediated Rational Design and Self-Assembly of Chiral, Nanoscale Supramolecular Polyhedra with Unique T Symmetry <i>Organometallics</i> , 1997 , 16, 3094-3096	3.8	124
306	Length and base composition of PCR-amplified nucleic acids using mass measurements from electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 1997 , 69, 1543-9	7.8	85
305	Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Instrumentation and Applications. <i>Journal of Chemical Education</i> , 1997 , 74, 1288	2.4	37
304	Characterization of the microdialysis junction interface for capillary electrophoresis/microelectrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 1997 , 69, 2154-8	7.8	61
303	A dual-trap design and its applications in electrospray ionization FTICR mass spectrometry. <i>Analytical Chemistry</i> , 1997 , 69, 1307-14	7.8	13
302	Molecular Architecture via Coordination: Marriage of Crown Ethers and Calixarenes with Molecular Squares, Unique Tetranuclear Metallamacrocycles from Metallacrown Ether and Metallacalixarene Complexes via Self-Assembly. <i>Journal of the American Chemical Society</i> , 1997 , 119, 5163-5168	16.4	113

301	Sensitivity enhancement of electrospray ionization-MS for aqueous solutions in the corona-assisted cone-jet mode. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997 , 162, 69-76		6
300	Electrospray ionization Fourier transform ion cyclotron resonance mass spectrometric characterization of high molecular mass Starburst dendrimers. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997 , 165-166, 405-418		87
299	Two dimensional many particle simulation of trapped ions. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997 , 165-166, 271-297		25
298	Improving the Microdialysis Procedure for Electrospray Ionization Mass Spectrometry of Biological Samples 1997 , 32, 425-431		33
297	A novel ion funnel for focusing ions at elevated pressure using electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1997 , 11, 1813-1817	2.2	219
296	Application of sequential paired covariance to liquid chromatography-mass spectrometry data enhancements in both the signal-to-noise ratio and the resolution of analyte peaks in the chromatogram. <i>Journal of Chromatography A</i> , 1997 , 771, 1-7	4.5	16
295	A novel ion funnel for focusing ions at elevated pressure using electrospray ionization mass spectrometry 1997 , 11, 1813		21
294	Noncovalent interactions observed using electrospray ionization. <i>Methods in Molecular Biology</i> , 1996 , 61, 115-27	1.4	2
293	Characterization of PCR products from bacilli using electrospray ionization FTICR mass spectrometry. <i>Analytical Chemistry</i> , 1996 , 68, 3705-12	7.8	99
292	Screening derivatized peptide libraries for tight binding inhibitors to carbonic anhydrase II by electrospray ionization-mass spectrometry. <i>Journal of Medicinal Chemistry</i> , 1996 , 39, 1949-55	8.3	131
291	"Colored" noise waveforms and quadrupole excitation for the dynamic range expansion of Fourier transform ion cyclotron resonance mass spectrometry. <i>Analytical Chemistry</i> , 1996 , 68, 534-41	7.8	86
290	On-line microdialysis sample cleanup for electrospray ionization mass spectrometry of nucleic acid samples. <i>Analytical Chemistry</i> , 1996 , 68, 3295-9	7.8	125
289	Design and Self-Assembly of Nanoscale Organoplatinum Macrocycles. <i>Journal of the American Chemical Society</i> , 1996 , 118, 8731-8732	16.4	81
288	Characterization of Hydrogen-Bonded Aggregates in Chloroform by Electrospray Ionization Mass Spectrometry. <i>Journal of Organic Chemistry</i> , 1996 , 61, 2204-2206	4.2	42
287	Electrospray Ionization Mass Spectroscopy: Part I. Instrumentation and Spectral Interpretation. <i>Journal of Chemical Education</i> , 1996 , 73, A82	2.4	29
286	Noncovalent Complexes of Nucleic Acids and Proteins Studied by Electrospray Ionization Mass Spectrometry. <i>ACS Symposium Series</i> , 1996 , 294-314	0.4	3
285	Comparison of 3',5'- and 2',5'-linked DNA duplex stabilities by electrospray ionization mass spectrometry. <i>Chemical Communications</i> , 1996 , 747-748	5.8	16
284	Direct measurement of oligonucleotide binding stoichiometry of gene V protein by mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 7022-7	11.5	87

283	Capillary electrophoresis-mass spectrometry. <i>Methods in Enzymology</i> , 1996 , 271, 448-86	1.7	24
282	Electrospray ionization with high performance fourier transform ion cyclotron resonance mass spectrometry for the study of noncovalent biomolecular complexes. <i>Techniques in Protein Chemistry</i> , 1996 , 13-22		6
281	Chapter 5 Capillary electrophoresis/Mass spectrometry. <i>Progress in Pharmaceutical and Biomedical Analysis</i> , 1996 , 2, 229-275		8
280	Electrospray Ionization Mass Spectrometry: Part II: Applications in Characterization of Peptides and Proteins. <i>Journal of Chemical Education</i> , 1996 , 73, A118	2.4	18
279	The interface of capillary electrophoresis with high performance Fourier transform ion cyclotron resonance mass spectrometry for biomolecule characterization. <i>Electrophoresis</i> , 1996 , 17, 1808-17	3.6	29
278	High performance fourier transform ion cyclotron resonance mass spectrometric detection for capillary electrophoresis. <i>Journal of High Resolution Chromatography</i> , 1996 , 19, 617-621		22
277	Binding specificity of post-activated neocarzinostatin chromophore drug-bulged DNA complex studied using electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1996 , 31, 31-6	2.2	16
276	Characterization of metastable intermediates of enzymatic peroxidation of NAD ⁺ by on-line capillary electrophoresis/electrospray ionization mass spectrometry 1996 , 31, 193-198		14
275	Specific metal-oligonucleotide binding studied by high resolution tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1996 , 31, 669-75	2.2	36
274	Prediction of a Space Charge Induced Upper Molecular Mass Limit Towards Achieving Unit Mass Resolution in Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Journal of Mass Spectrometry</i> , 1996 , 31, 771-790	2.2	51
273	Superbugs: should antimicrobial resistance be included as a cost in economic evaluation?. <i>Health Economics (United Kingdom)</i> , 1996 , 5, 217-26	2.4	104
272	Analysis of double-stranded polymerase chain reaction products from the <i>Bacillus cereus</i> group by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996 , 10, 29-35	2.2	49
271	Ultrahigh Resolution Isotope Distribution Calculations 1996 , 10, 54-59		45
270	On-line Microdialysis Desalting for Electrospray Ionization-Mass Spectrometry of Proteins and Peptides 1996 , 10, 835-838		26
269	Analysis of single cells with capillary electrophoresis electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996 , 10, 919-22	2.2	106
268	A New High-performance Interface for Capillary Electrophoresis/Electrospray Ionization Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996 , 10, 1175-1178	2.2	53
267	Mass spectrometric characterization of sequence-specific complexes of DNA and transcription factor PU.1 DNA binding domain. <i>Analytical Biochemistry</i> , 1996 , 239, 35-40	3.1	57
266	A high performance low magnetic field internal electrospray ionization-fourier transform ion cyclotron resonance mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 1996 , 7, 915-22	3.5	7

265	Charge-state reduction with improved signal intensity of oligonucleotides in electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1996 , 7, 697-706	3.5	122
264	Electrospray mass spectrometric investigation of the chaperone SecB. <i>Protein Science</i> , 1996 , 5, 488-94	6.3	57
263	Over-the-counter antimicrobials: the hidden costs of resistance. <i>Journal of Antimicrobial Chemotherapy</i> , 1996 , 37, 1031-2	5.1	10
262	Molecular weight determination of plasmid DNA using electrospray ionization mass spectrometry. <i>Nucleic Acids Research</i> , 1996 , 24, 2183-9	20.1	59
261	Detection of hydrogen-bonded supramolecular complexes using electrospray ionization from chloroform. <i>Rapid Communications in Mass Spectrometry</i> , 1995 , 9, 312-316	2.2	23
260	Bio-affinity characterization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1995 , 9, 644-50	2.2	56
259	Detection of high molecular weight starburst dendrimers by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1995 , 9, 1552-1555	2.2	71
258	Engineered chimeric streptavidin tetramers as novel tools for bioseparations and drug delivery. <i>Nature Biotechnology</i> , 1995 , 13, 1198-1204	44.5	37
257	Dissociation of tetrameric ions of noncovalent streptavidin complexes formed by electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 1995 , 6, 459-65	3.5	122
256	Characterization of noncovalent complexes formed between minor groove binding molecules and duplex DNA by electrospray ionization-mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1995 , 6, 1154-64	3.5	91
255	Enhanced accumulated trapping efficiency using an auxiliary trapping electrode in an external source Fourier transform ion cyclotron resonance mass spectrometer. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995 , 142, 143-150		5
254	Cyclotron motion of two Coulombically interacting ion clouds with implications to Fourier-transform ion cyclotron resonance mass spectrometry. <i>Physical Review E</i> , 1995 , 52, 4366-4386	2.4	99
253	Direct Electrospray Ion Current Monitoring Detection and Its Use with Online Capillary Electrophoresis Mass Spectrometry. <i>Analytical Chemistry</i> , 1995 , 67, 462-465	7.8	16
252	Charge State Reduction of Oligonucleotide Negative Ions from Electrospray Ionization. <i>Analytical Chemistry</i> , 1995 , 67, 586-593	7.8	68
251	Characterization of cytochrome c variants with high-resolution FTICR mass spectrometry: correlation of fragmentation and structure. <i>Analytical Chemistry</i> , 1995 , 67, 2498-509	7.8	93
250	Using Electrospray Ionization FTICR Mass Spectrometry To Study Competitive Binding of Inhibitors to Carbonic Anhydrase. <i>Journal of the American Chemical Society</i> , 1995 , 117, 8859-8860	16.4	172
249	Trapping, Detection, and Mass Determination of Coliphage T4 DNA Ions by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 1995 , 67, 1159-1163	7.8	130
248	Capillary electrophoresis-electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry for direct analysis of cellular proteins. <i>Analytical Chemistry</i> , 1995 , 67, 1477-80	7.8	110

247	Rapid Calculation of Isotope Distributions. <i>Analytical Chemistry</i> , 1995 , 67, 2699-2704	7.8	116
246	Application of Sequential Paired Covariance to Capillary Electrophoresis Electrospray Ionization Time-of-Flight Mass Spectrometry: Unraveling the Signal from the Noise in the Electropherogram. <i>Analytical Chemistry</i> , 1995 , 67, 4371-4375	7.8	54
245	Selected ion accumulation of noncovalent complexes in a fourier transform ion cyclotron resonance mass spectrometer. <i>Journal of Mass Spectrometry</i> , 1995 , 30, 124-133	2.2	43
244	Proton transfer reactions of multiply charged peptide and protein cations and anions. <i>Journal of Mass Spectrometry</i> , 1995 , 30, 339-347	2.2	50
243	Investigation of non-covalent ligand binding to the intact streptavidin tetramer by electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1995 , 30, 1095-1102	2.2	27
242	On-line capillary electrophoresis-electrospray ionization mass spectrometry of nucleotides. <i>Electrophoresis</i> , 1995 , 16, 389-95	3.6	32
241	Frequency shifts and modulation effects due to solenoidal magnetic field inhomogeneities in ion cyclotron mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995 , 141, 101-116		11
240	A uniquely modified RNA: Introduction of a single RNA cleavage agent into the M1 ribozyme. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1994 , 4, 2133-2138	2.9	5
239	Observation of large multimers in the electrospray ionization mass spectrometry of peptides. <i>Rapid Communications in Mass Spectrometry</i> , 1994 , 8, 211-6	2.2	24
238	Charge state specific facile gas-phase cleavage of Asp 75-Met 76 peptide bond in the alpha-chain of human apohemoglobin probed by electrospray ionization mass spectrometry. <i>Biological Mass Spectrometry</i> , 1994 , 23, 707-10		31
237	Characterization of ribonuclease B heterogeneity and the identification and removal of phosphate adducts by high resolution electrospray ionization Fourier transform ion clyotron resonance mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1994 , 132, 97-107		10
236	Isotopic beat patterns in Fourier transform ion cyclotron resonance mass spectrometry: implications for high resolution mass measurements of large biopolymers. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1994 , 132, 109-127		48
235	Sheathless capillary electrophoresis-electrospray ionization mass spectrometry using 10 μ m I.D. capillaries: analyses of tryptic digests of cytochrome c. <i>Journal of Chromatography A</i> , 1994 , 659, 217-22	4.5	166
234	Interaction of angiotensin peptides and zinc metal ions probed by electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1994 , 5, 959-65	3.5	107
233	A study of the thermal denaturation of ribonuclease S by electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1994 , 5, 614-22	3.5	38
232	Investigation of the gas-phase structure of electrosprayed proteins using ion-molecule reactions. <i>Journal of the American Society for Mass Spectrometry</i> , 1994 , 5, 207-20	3.5	85
231	Observation of noncovalent complexes to the avidin tetramer by electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1994 , 5, 201-4	3.5	48
230	Proton transfer reaction studies of multiply charged proteins in a high mass-to-charge ratio quadrupole mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 1994 , 5, 1064-71	3.5	54

229	Capillary electrophoresis fourier transform ion cyclotron resonance mass spectrometry with sustained off-resonance irradiation for the characterization of protein and peptide mixtures. <i>Journal of the American Society for Mass Spectrometry</i> , 1994 , 5, 894-9	3.5	43
228	Trapping, detection and reaction of very large single molecular ions by mass spectrometry. <i>Nature</i> , 1994 , 369, 137-139	50.4	117
227	Observation of the Noncovalent Quaternary Associations of Proteins by Electrospray Ionization Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 1994 , 116, 5271-5278	16.4	250
226	Charge-state shifting of individual multiply-charged ions of bovine albumin dimer and molecular weight determination using an individual-ion approach. <i>Analytical Chemistry</i> , 1994 , 66, 2084-7	7.8	29
225	Observation of Duplex DNA-Drug Noncovalent Complexes by Electrospray Ionization Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 1994 , 116, 6027-6028	16.4	95
224	Trapping, Detection, and Mass Measurement of Individual Ions in a Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. <i>Journal of the American Chemical Society</i> , 1994 , 116, 7839-7847	16.4	76
223	Direct Charge Number and Molecular Weight Determination of Large Individual Ions by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 1994 , 66, 3964-3969	7.8	30
222	Electrospray Ionization Mass Spectrometry and Tandem Mass Spectrometry of Large Biomolecules 1994 , 243-286		1
221	Capillary Electrophoresis/Mass Spectrometry. <i>Analytical Chemistry</i> , 1993 , 65, 574A-584A	7.8	124
220	Observation of the multimeric forms of concanavalin A by electrospray ionization mass spectrometry. <i>Journal of the American Chemical Society</i> , 1993 , 115, 5869-5870	16.4	50
219	Observation of a small oligonucleotide duplex by electrospray ionization mass spectrometry. <i>Journal of the American Chemical Society</i> , 1993 , 115, 803-804	16.4	152
218	Tandem mass spectrometry of very large molecules. 2. Dissociation of multiply charged proline-containing proteins from electrospray ionization. <i>Analytical Chemistry</i> , 1993 , 65, 425-38	7.8	227
217	A small angle x-ray scattering study of the effect of pressure on the aggregation of asphaltene fractions in petroleum fluids under near-critical solvent conditions. <i>Langmuir</i> , 1993 , 9, 2035-2044	4	62
216	Observation of a noncovalent ribonuclease S-protein/S-peptide complex by electrospray ionization mass spectrometry. <i>Journal of the American Chemical Society</i> , 1993 , 115, 4391-4392	16.4	88
215	On-line capillary electrophoresis with Fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of the American Chemical Society</i> , 1993 , 115, 6983-6984	16.4	63
214	A luminescence quenching study of a percolation transition in a propane/didodecyldimethylammonium bromide/water microemulsion. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 12331-12338		11
213	Elucidation of Covalent Modifications and Noncovalent Associations in Proteins by Electrospray Ionization Mass Spectrometry 1993 , 23-31		3
212	Collisionally activated dissociation and tandem mass spectrometry of intact hemoglobin beta-chain variant proteins with electrospray ionization. <i>Biological Mass Spectrometry</i> , 1993 , 22, 112-20		46

211	Direct observation of a DNA quadruplex by electrospray ionization mass spectrometry. <i>Biological Mass Spectrometry</i> , 1993 , 22, 181-3		89
210	The observation of non-covalent interactions in solution by electrospray ionization mass spectrometry: Promise, pitfalls and prognosis. <i>Biological Mass Spectrometry</i> , 1993 , 22, 493-501		237
209	Use of small-diameter capillaries for increasing peptide and protein detection sensitivity in capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , 1993 , 14, 448-57	3.6	86
208	Reduced elution speed detection for capillary electrophoresis/mass spectrometry. <i>Journal of Separation Science</i> , 1993 , 5, 57-62		47
207	Observation and implications of high mass-to-charge ratio ions from electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1993 , 4, 536-45	3.5	96
206	High-resolution accurate mass measurements of biomolecules using a new electrospray ionization ion cyclotron resonance mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 1993 , 4, 566-77	3.5	119
205	Time-base modulation for the correction of cyclotron frequency shifts observed in long-lived transients from fourier-transform ion-cyclotron-resonance mass spectrometry of electrosprayed biopolymers. <i>Rapid Communications in Mass Spectrometry</i> , 1993 , 7, 700-703	2.2	37
204	Selected-ion accumulation from an external electrospray ionization source with a fourier-transform ion cyclotron resonance mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 1993 , 7, 914-919 ²	2.2	47
203	Small volume and low flow-rate electrospray ionization mass spectrometry of aqueous samples. <i>Rapid Communications in Mass Spectrometry</i> , 1993 , 7, 1017-1021	2.2	156
202	Dynamic Fluorescence Quenching in Reverse Microemulsions in Propane. <i>ACS Symposium Series</i> , 1992 , 258-270	0.4	
201	Aggregation of polyethylene glycol dodecyl ethers in supercritical carbon dioxide and ethane. <i>Langmuir</i> , 1992 , 8, 377-384	4	38
200	Extraction of metal ions from liquid and solid materials by supercritical carbon dioxide. <i>Analytical Chemistry</i> , 1992 , 64, 2875-2878	7.8	191
199	Fourier transform infrared spectroscopy of molecular interactions of heptafluoro-1-butanol or 1-butanol in supercritical carbon dioxide and supercritical ethane. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 6172-6181		94
198	Hydrogen Bonding of Simple Alcohols in Supercritical Fluids. <i>ACS Symposium Series</i> , 1992 , 175-187	0.4	6
197	Multiply charged negative ions by electrospray ionization of polypeptides and proteins. <i>Analytical Chemistry</i> , 1992 , 64, 81-8	7.8	100
196	Attomole level capillary electrophoresis-mass spectrometric protein analysis using 5 .mu.m i.d. capillaries. <i>Analytical Chemistry</i> , 1992 , 64, 3194-3196	7.8	102
195	Probing qualitative conformation differences of multiply protonated gas-phase proteins via hydrogen/deuterium isotopic exchange with water-d2. <i>Journal of the American Chemical Society</i> , 1992 , 114, 5897-5898	16.4	170
194	Activation energies for gas-phase dissociations of multiply charged ions from electrospray ionization mass spectrometry. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 2397-2400		63

193	Protein structural effects in gas phase ion/molecule reactions with diethylamine. <i>Rapid Communications in Mass Spectrometry</i> , 1992 , 6, 159-65	2.2	64
192	Gas-phase proton transfer reactions involving multiply charged cytochrome c ions and water under thermal conditions. <i>Journal of the American Society for Mass Spectrometry</i> , 1992 , 3, 624-30	3.5	78
191	A new approach for the study of gas-phase ion-ion reactions using electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 1992 , 3, 695-705	3.5	77
190	Preservation of non-covalent associations in electrospray ionization mass spectrometry: Multiply charged polypeptide and protein dimers. <i>Organic Mass Spectrometry</i> , 1992 , 27, 811-821		132
189	The Analysis of Biomolecules by Electrospray Ionization Mass Spectrometry and Tandem Mass Spectrometry 1992 , 37-98		2
188	FT-IR investigation of the partitioning of sodium bis(2-ethylhexyl) sulfosuccinate between an aqueous and a propane phase. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 1403-1409		11
187	Pressure effects on the phase behavior of a propylene/water/surfactant mixture. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 3253-3257		22
186	Application of electrospray ionization mass spectrometry and tandem mass spectrometry in combination with capillary electrophoresis for biochemical investigations. <i>Biochemical Society Transactions</i> , 1991 , 19, 943-7	5.1	7
185	Solubility of fluorinated metal diethyldithiocarbamates in Supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 1991 , 4, 194-198	4.2	158
184	Mass spectrometric analysis of lens crystallins. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1991 , 111, 229-245		9
183	Instrumentation for high-performance capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 1991 , 559, 197-208	4.5	69
182	Sorption isotherms in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1991 , 550, 775-785	4.5	9
181	Principles and practice of electrospray ionization-mass spectrometry for large polypeptides and proteins. <i>Mass Spectrometry Reviews</i> , 1991 , 10, 359-452	11	506
180	Coulombic effects in the dissociation of large highly charged ions. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1991 , 111, 103-129		66
179	Solvent-induced conformational changes of polypeptides probed by electrospray-ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1991 , 5, 101-5	2.2	251
178	Thermally induced dissociation of ions from electrospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1991 , 5, 582-585	2.2	66
177	Evidence of charge inversion in the reaction of singly charged anions with multiply charged macroions. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 6412-6415		70
176	A small-angle neutron scattering study of intermicellar interactions in microemulsions of AOT, water, and near-critical propane. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 458-462		86

175	Micellar and bicontinuous microemulsions formed in both near-critical and supercritical propane with didodecyldimethylammonium bromide and water. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 1445-1448	27
174	Tandem mass spectrometry of very large molecules: serum albumin sequence information from multiply charged ions formed by electrospray ionization. <i>Analytical Chemistry</i> , 1991 , 63, 2488-99	7.8 178
173	Hydrogen bonding of methyl alcohol-d in supercritical carbon dioxide and supercritical ethane solutions. <i>Journal of the American Chemical Society</i> , 1991 , 113, 8327-8334	16.4 100
172	Microemulsions formed from nonionic surfactants in near-critical and supercritical alkanes: quasi-elastic light scattering investigations. <i>The Journal of Physical Chemistry</i> , 1990 , 94, 3729-3734	17
171	Electrospray ionization mass spectrometry. <i>Methods in Enzymology</i> , 1990 , 193, 412-31	1.7 45
170	Variance contributions to band spread in capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1990 , 504, 1-19	4.5 30
169	Collisional activation and collision-activated dissociation of large multiply charged polypeptides and proteins produced by electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 1990 , 1, 53-65	3.5 207
168	Internal energy effects in the collision-induced dissociation of large biopolymer molecular ions produced by electrospray ionization tandem mass spectrometry of cytochrome c. <i>Rapid Communications in Mass Spectrometry</i> , 1990 , 4, 54-57	2.2 33
167	The use of dynamically programmed scans to generate parent-ion tandem mass spectra with the ion-trap mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 1990 , 4, 108-113	2.2 23
166	A detailed study of the characteristics of the ion-trap mass spectrometer using dynamically programmed scans. <i>Rapid Communications in Mass Spectrometry</i> , 1990 , 4, 415-417	2.2 13
165	Comparison of electrospray ionization and plasma desorption mass spectra of peptides and proteins. <i>Biological Mass Spectrometry</i> , 1990 , 19, 286-294	27
164	Capillary isotachophoresis with UV and tandem mass spectrometric detection for peptides and proteins. <i>Electrophoresis</i> , 1990 , 11, 709-17	3.6 44
163	Observations on the solubility of surfactants and related molecules in carbon dioxide at 50°C. <i>Journal of Supercritical Fluids</i> , 1990 , 3, 51-65	4.2 284
162	Inter- and intra-molecular hydrogen-bonding of polyethylene glycol dodecyl ethers in supercritical ethane. <i>Journal of Supercritical Fluids</i> , 1990 , 3, 169-174	4.2 11
161	Microemulsion polymerization within near- and supercritical continuous phases: Effect of microemulsion structure on reaction characteristics. <i>Journal of Supercritical Fluids</i> , 1990 , 3, 205-213	4.2 7
160	Sensitivity considerations for large molecule detection by capillary electrophoresis-electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 1990 , 516, 157-65	4.5 49
159	Sorption isotherms of mobile phase components in capillary supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1990 , 505, 139-146	4.5 22
158	High-pressure and supercritical capillary electrophoresis. <i>Journal of Chromatography A</i> , 1990 , 517, 573-581	4.5 4

157	Collisional activation and dissociation of large multiply charged proteins produced by electrospray ionization. <i>Analytica Chimica Acta</i> , 1990 , 241, 167-173	6.6	34
156	Interdroplet attractive forces in AOT water-in-oil microemulsions formed in subcritical and supercritical solvents. <i>The Journal of Physical Chemistry</i> , 1990 , 94, 1997-2004		44
155	Phase behavior of inverse microemulsions for the polymerization of acrylamide in near-critical and supercritical continuous phases. <i>The Journal of Physical Chemistry</i> , 1990 , 94, 345-350		22
154	Primary sequence information from intact proteins by electrospray ionization tandem mass spectrometry. <i>Science</i> , 1990 , 248, 201-4	33.3	249
153	Effect of reducing disulfide-containing proteins on electrospray ionization mass spectra. <i>Analytical Chemistry</i> , 1990 , 62, 693-8	7.8	250
152	Reverse micelles and microemulsions in near-critical and supercritical fluids. <i>The Journal of Physical Chemistry</i> , 1990 , 94, 781-787		79
151	New developments in biochemical mass spectrometry: electrospray ionization. <i>Analytical Chemistry</i> , 1990 , 62, 882-99	7.8	947
150	Confirmation and quantitation of hydroxymethanesulfonate in precipitation by electrospray ionization-tandem mass spectrometry. <i>Atmospheric Environment Part A General Topics</i> , 1990 , 24, 2951-2957		10
149	Thermochromic shifts in supercritical fluids. <i>The Journal of Physical Chemistry</i> , 1989 , 93, 1261-1264		10
148	Inverse Emulsion Polymerization of Acrylamide in Near-Critical and Supercritical Continuous Phases. <i>ACS Symposium Series</i> , 1989 , 184-206	0.4	3
147	The Potential of Reverse Micelle Mobile Phases for Supercritical Fluid Chromatography. <i>Journal of Chromatographic Science</i> , 1989 , 27, 309-317	1.4	10
146	Capillary zone electrophoresis with laser fluorescence detection of marine toxins. <i>Journal of Separation Science</i> , 1989 , 1, 85-89		32
145	Capillary zone electrophoresis-mass spectrometry with electrospray ionization of peptides and proteins. <i>Journal of Separation Science</i> , 1989 , 1, 223-229		32
144	Peptide and protein analysis by electrospray ionization-mass spectrometry and capillary electrophoresis-mass spectrometry. <i>Analytical Biochemistry</i> , 1989 , 179, 404-12	3.1	198
143	Capillary zone electrophoresis and isotachopheresis-mass spectrometry of polypeptides and proteins based upon an electrospray ionization interface. <i>Journal of Chromatography A</i> , 1989 , 480, 211-32	4.5	114
142	Capillary electrophoresis-electrospray ionization-mass spectrometry. <i>Journal of Chromatography A</i> , 1989 , 474, 21-37	4.5	59
141	Sequence determination of multiply charged peptide molecular ions by electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1989 , 3, 160-164	2.2	96
140	Supercritical Fluid Technologies for Ceramic-Processing Applications. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 871-881	3.8	91

139	Reverse micelle and microemulsion phases in supercritical xenon and ethane: light scattering and spectroscopic probe studies. <i>The Journal of Physical Chemistry</i> , 1989 , 93, 4198-4204		55
138	Sample introduction and separation in capillary electrophoresis, and combination with mass spectrometric detection. <i>Talanta</i> , 1989 , 36, 161-9	6.2	31
137	Capillary isotachophoresis/mass spectrometry. <i>Analytical Chemistry</i> , 1989 , 61, 228-232	7.8	90
136	Capillary zone electrophoresis of fuel materials. <i>Energy & Fuels</i> , 1989 , 3, 428-430	4.1	4
135	Stationary phase solvation in capillary supercritical fluid chromatography. <i>Analytical Chemistry</i> , 1989 , 61, 1348-1353	7.8	19
134	Supercritical fluid chromatography-mass spectrometry: A potentially useful technique for porphyrin analysis. <i>Organic Geochemistry</i> , 1989 , 14, 227-232	3.1	11
133	Near- and Mid-Infrared Transmission Cells for the Study of Reverse Micelle Phases in Supercritical Fluids. <i>Applied Spectroscopy</i> , 1989 , 43, 812-816	3.1	17
132	Infrared spectroscopic studies of supercritical fluid solutions. <i>The Journal of Physical Chemistry</i> , 1989 , 93, 6661-6665		31
131	Spectroscopic studies of metal chelates in supercritical fluids. <i>The Journal of Physical Chemistry</i> , 1989 , 93, 2140-2143		12
130	Tandem mass spectrometry of highly charged cytochrome c molecular ions produced by electrospray ionization. <i>The Journal of Physical Chemistry</i> , 1989 , 93, 5019-5022		50
129	Structure of Reverse Micelle and Microemulsion Phases in Near-Critical and Supercritical Fluid as Determined from Dynamic Light-Scattering Studies. <i>ACS Symposium Series</i> , 1989 , 165-183	0.4	6
128	Chemical ionization mass spectra of high molecular weight, biologically active compounds produced following supercritical fluid chromatography. <i>Biomedical & Environmental Mass Spectrometry</i> , 1988 , 15, 239-42		23
127	Solvent effects on the charge distribution observed with electrospray ionization-mass spectrometry of large molecules. <i>Biological Mass Spectrometry</i> , 1988 , 17, 411-414		55
126	Collisional effects on the charge distribution of ions from large molecules, formed by electrospray-ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1988 , 2, 207-210	10.2	205
125	Capillary zone electrophoresis-MS. <i>Nature</i> , 1988 , 331, 639-40	50.4	45
124	Effect of the partial molar volume of the solute in the stationary phase on retention in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1988 , 459, 183-191	4.5	7
123	Organized molecular assemblies in supercritical fluids; Metal ion chelates and reverse micelles. <i>Journal of Supercritical Fluids</i> , 1988 , 1, 7-14	4.2	4
122	Dynamic light scattering measurements of reverse micelle phases in liquid and supercritical ethane. <i>The Journal of Physical Chemistry</i> , 1988 , 92, 2707-2710		47

121	Pressure programmed microbore column supercritical fluid chromatography-mass spectrometry for the determination of organophosphorus insecticides. <i>Analytical Chemistry</i> , 1988 , 60, 529-35	7.8	39
120	Capillary zone electrophoresis-mass spectrometry using an electrospray ionization interface. <i>Analytical Chemistry</i> , 1988 , 60, 436-441	7.8	316
119	Retention Processes in Supercritical Fluid Chromatography. <i>ACS Symposium Series</i> , 1988 , 161-178	0.4	4
118	Supercritical Fluid Chromatography: Current Status and Prognosis. <i>Analytical Chemistry</i> , 1988 , 60, 1323A-1336A	7.8	18
117	Improved electrospray ionization interface for capillary zone electrophoresis-mass spectrometry. <i>Analytical Chemistry</i> , 1988 , 60, 1948-1952	7.8	452
116	Solvatochromic behavior of binary supercritical fluids: the carbon dioxide/2-propanol system. <i>The Journal of Physical Chemistry</i> , 1988 , 92, 2374-2378		98
115	Reverse micelle and microemulsion phases in supercritical fluids. <i>The Journal of Physical Chemistry</i> , 1988 , 92, 2903-2907		81
114	Solvatochromism: a dielectric continuum model applied to supercritical fluids. <i>The Journal of Physical Chemistry</i> , 1988 , 92, 235-238		47
113	Reverse Micelle Supercritical Fluid Separations. <i>Separation Science and Technology</i> , 1988 , 23, 2015-2030	2.5	9
112	Supercritical Fluid Chromatography and Supercritical Fluid Chromatography/Mass Spectrometry for Analysis of Complex Hydrocarbon Mixtures. <i>Journal of Chromatographic Science</i> , 1988 , 26, 228-235	1.4	18
111	Analytical Supercritical Fluid Extraction Methodologies. <i>ACS Symposium Series</i> , 1988 , 44-62	0.4	8
110	Retention in supercritical fluid chromatography: influence of the partial molar volume of the solute in the stationary phase. <i>The Journal of Physical Chemistry</i> , 1988 , 92, 1664-1667		24
109	Organized Surfactant Assemblies in Supercritical Fluids. <i>ACS Symposium Series</i> , 1988 , 91-107	0.4	2
108	Effects of pressure on retention in supercritical fluid chromatography. <i>The Journal of Physical Chemistry</i> , 1987 , 91, 3333-3336		26
107	Reverse micelle supercritical fluid chromatography. <i>Analytical Chemistry</i> , 1987 , 59, 1977-1979	7.8	31
106	On-line mass spectrometric detection for capillary zone electrophoresis. <i>Analytical Chemistry</i> , 1987 , 59, 1230-1232	7.8	513
105	Solubilities in Supercritical Fluids: The Application of Chromatographic Measurement Methods. <i>Separation Science and Technology</i> , 1987 , 22, 1065-1086	2.5	24
104	Rapid expansion of supercritical fluid solutions: solute formation of powders, thin films, and fibers. <i>Industrial & Engineering Chemistry Research</i> , 1987 , 26, 2298-2306	3.9	304

103	Solvent properties of supercritical xenon and sulfur hexafluoride. <i>The Journal of Physical Chemistry</i> , 1987 , 91, 3059-3062		57
102	Formation of fine particles in supercritical fluid micelle systems. <i>Materials Letters</i> , 1987 , 6, 31-33	3.3	22
101	Pressure and composition gradients in capillary supercritical fluid chromatography. <i>Analytical Chemistry</i> , 1987 , 59, 727-731	7.8	34
100	Mass spectrometer interface for microbore and high flow rate capillary supercritical fluid chromatography with splitless injection. <i>Analytical Chemistry</i> , 1987 , 59, 13-22	7.8	63
99	On-line supercritical fluid extraction-capillary gas chromatography. <i>Analytical Chemistry</i> , 1987 , 59, 640-644	11.1	111
98	Organized molecular assemblies in the gas phase: reverse micelles and microemulsions in supercritical fluids. <i>Journal of the American Chemical Society</i> , 1987 , 109, 920-921	16.4	92
97	The formation of polymer fibers from the rapid expansion of supercritical fluid solutions. <i>Polymer Engineering and Science</i> , 1987 , 27, 1693-1697	2.3	54
96	Production of powders and films by the rapid expansion of supercritical solutions. <i>Journal of Materials Science</i> , 1987 , 22, 1919-1928	4.3	85
95	Fundamentals and practice of supercritical fluid chromatography-mass spectrometry. <i>Mass Spectrometry Reviews</i> , 1987 , 6, 445-496	11	72
94	Analytical applications of capillary supercritical fluid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1987 , 400, 307-316	4.5	26
93	Effect of temperature and modifier concentration on retention in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1987 , 396, 19-29	4.5	32
92	Capillary supercritical fluid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1987 , 394, 3-14	4.5	21
91	Effect of solute concentration on retention in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1987 , 389, 433-438	4.5	6
90	Analytical supercritical fluid extraction of adsorbent materials. <i>Analytical Chemistry</i> , 1987 , 59, 38-44	7.8	123
89	Ammonia and methane chemical ionization mass spectra of acid and carbamate pesticides using direct supercritical fluid injection. <i>Biological Mass Spectrometry</i> , 1986 , 13, 33-45		27
88	Rapid analysis using capillary supercritical fluid chromatography. <i>Journal of High Resolution Chromatography</i> , 1986 , 9, 73-77		21
87	Capillary supercritical fluid chromatography-mass spectrometry. <i>Journal of High Resolution Chromatography</i> , 1986 , 9, 145-153		47
86	Effect of density on enthalpy and entropy of transfer for supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1986 , 351, 211-218	4.5	33

85	Correlaton of solvatochromic effects with retention in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1986 , 371, 83-92	4.5	11
84	Investigation of polar modifiers in carbon dioxide mobile phases for capillary supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1986 , 355, 367-373	4.5	53
83	Study of retention processes in capillary supercritical fluid chromatography with binary fluid mobile phases. <i>Journal of Chromatography A</i> , 1986 , 361, 25-32	4.5	45
82	Characterization of supercritical fluid solvents using solvatochromic shifts. <i>The Journal of Physical Chemistry</i> , 1986 , 90, 3022-3026		129
81	Supercritical fluid extraction and direct fluid injection mass spectrometry for the determination of trichothecene mycotoxins in wheat samples. <i>Analytical Chemistry</i> , 1986 , 58, 2421-5	7.8	53
80	Rapid precipitation of low vapor pressure solids from supercritical fluid solutions: the formation of thin films and powders. <i>Journal of the American Chemical Society</i> , 1986 , 108, 2100-2102	16.4	97
79	Performance of capillary restrictors in supercritical fluid chromatography. <i>Analytical Chemistry</i> , 1986 , 58, 2057-2064	7.8	89
78	The preparation of polycarbosilane powders and fibers during rapid expansion of supercritical fluid solutions. <i>Materials Letters</i> , 1986 , 4, 429-432	3.3	42
77	Formation of Silica Powders from the Rapid Expansion of Supercritical Solutions. <i>Advanced Ceramic Materials</i> , 1986 , 1, 242-246		38
76	Solubilities of caffeine and theophylline in supercritical ammonia. <i>Fluid Phase Equilibria</i> , 1985 , 22, 175-183	5	8
75	Diesel fuel marine and sediment analysisSupercritical ammonia extraction and direct fluid injection mass spectrometry. <i>Fuel</i> , 1985 , 64, 810-815	7.1	16
74	Storage stability of diesel fuel marine: relation to e.s.r. measurements. <i>Fuel</i> , 1985 , 64, 591-593	7.1	4
73	Rapid capillary supercritical fluid chromatographic analysis of carbamate pesticides. <i>Journal of High Resolution Chromatography</i> , 1985 , 8, 8-11		28
72	Rapid and high resolution capillary supercritical fluid chromatography (SFC) and SFC/MS of trichothecene mycotoxins. <i>Journal of Chromatographic Science</i> , 1985 , 23, 192-9	1.4	58
71	Temperature dependence of retention in supercritical fluid chromatography. <i>The Journal of Physical Chemistry</i> , 1985 , 89, 5526-5530		37
70	Pressure programming in supercritical fluid chromatography. <i>Analytical Chemistry</i> , 1985 , 57, 2829-2836	7.8	40
69	Investigation of retention and selectivity effects using various mobile phases in capillary supercritical fluid chromatography. <i>Analytical Chemistry</i> , 1985 , 57, 2823-2829	7.8	44
68	Supercritical fluid chromatography and supercritical fluid chromatography-mass spectrometry of marine diesel fuel. <i>Journal of Chromatography A</i> , 1984 , 314, 253-262	4.5	31

67	Application of capillary supercritical fluid chromatography to the analysis of a middle distillate fuel. <i>Chromatographia</i> , 1984 , 18, 542-545	2.1	28
66	Rapid and efficient capillary column supercritical fluid chromatography with mass spectrometric detection. <i>Analytical Chemistry</i> , 1984 , 56, 2476-2480	7.8	68
65	Capillary supercritical fluid chromatography/mass spectrometry with electron impact ionization. <i>Analytical Chemistry</i> , 1984 , 56, 2971-2973	7.8	43
64	Direct supercritical fluid injection mass spectrometry of trichothecenes. <i>Biomedical Mass Spectrometry</i> , 1983 , 10, 577-580		15
63	New method for the direct analysis of supercritical fluid coal extraction and liquefaction. <i>Fuel</i> , 1983 , 62, 466-468	7.1	11
62	Mass spectrometric study of the high temperature chemistry of benzene. <i>Combustion and Flame</i> , 1983 , 51, 1-22	5.3	48
61	Supercritical fluid chromatography - mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1983 , 46, 217-220		12
60	Direct Mass Spectrometric Analysis of Supercritical Fluid Extraction Products. <i>Separation Science and Technology</i> , 1983 , 18, 245-252	2.5	14
59	Mass spectrometry with direct supercritical fluid injection. <i>Analytical Chemistry</i> , 1983 , 55, 2266-2272	7.8	74
58	Fly ash surface formation and segregation during heating. <i>Atmospheric Environment</i> , 1983 , 17, 1399-1409		8
57	Benzene pyrolysis and soot formation at high temperatures. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1983 , 47, 63-66		3
56	Capillary column supercritical fluid chromatography mass spectrometry. <i>Analytical Chemistry</i> , 1982 , 54, 1883-1885	7.8	80
55	Direct fluid injection interface for capillary supercritical fluid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1982 , 247, 231-243	4.5	73
54	Liquid chromatography-mass spectrometry and electron impact and secondary ion mass spectrometry with ribbon storage interface. <i>Analytical Chemistry</i> , 1981 , 53, 1603-1611	7.8	37
53	Ribbon storage techniques for liquid chromatography-mass spectrometry. <i>Analytical Chemistry</i> , 1981 , 53, 1120-1122	7.8	10
52	Volatility of fly ash and coal. <i>Fuel</i> , 1980 , 59, 661-665	7.1	20
51	The trace element chemistry of coal during combustion and the emissions from coal-fired plants. <i>Progress in Energy and Combustion Science</i> , 1980 , 6, 53-119	33.6	142
50	Characterization and formation of submicron particles in coal-fired plants. <i>Atmospheric Environment</i> , 1979 , 13, 607-617		87

49	Concentration dependence upon particle size of volatilized elements in fly ash. <i>Environmental Science & Technology</i> , 1979 , 13, 553-558	10.3	123
48	A direct mass spectrometric study of the mechanism of toluene pyrolysis at high temperatures. <i>The Journal of Physical Chemistry</i> , 1979 , 83, 1553-1563		83
47	Mass-spectrometric study of the thermal pyrolysis of tetrasulphur tetranitride over quartz wool and silver wool. <i>Journal of the Chemical Society Dalton Transactions</i> , 1979 , 478		4
46	Reactions of tetrasulfur tetranitride with bromine. Reaction in carbon disulfide solution to give CS ₃ N ₂ Br ₂ . <i>Inorganic Chemistry</i> , 1979 , 18, 383-385	5.1	12
45	Characterization of micron-size flyash particles by X-ray photoelectron spectroscopy (ESCA). <i>Science of the Total Environment</i> , 1979 , 12, 75-85	10.2	8
44	Formation of radicals and complex organic compounds by high-temperature pyrolysis: The pyrolysis of toluene?. <i>Combustion and Flame</i> , 1979 , 35, 179-190	5.3	59
43	Reactions of thermal energy (2P)C ⁺ ions with several molecules. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1978 , 26, 111-113		3
42	Secondary ion reactions in benzene. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1978 , 26, 279-288		4
41	Reactions of [CH ₃] ⁺ and [CD ₃] ⁺ with alcohols. <i>Organic Mass Spectrometry</i> , 1978 , 13, 688-694		3
40	Carbon ion reactions with ethylene and propylene oxide. <i>Chemical Physics Letters</i> , 1978 , 54, 273-274	2.5	1
39	A mass spectrometric study of the thermal pyrolysis of S ₄ N ₄ . <i>Chemical Physics Letters</i> , 1978 , 55, 590-592.	2.5	4
38	Separation and chemical characterization of finely-sized fly-ash particles. <i>Analytical Chemistry</i> , 1978 , 50, 1032-1040	7.8	107
37	Mass spectrometric study of the vapor-phase species of brominated polymeric sulfur nitride and tetrasulfur tetranitride. <i>Inorganic Chemistry</i> , 1978 , 17, 938-941	5.1	11
36	Application of X-ray Photoelectron Spectroscopy to the Study of Fly Ash. <i>Applied Spectroscopy</i> , 1978 , 32, 316-319	3.1	21
35	Investigation of the hydride impurity of poly(sulfur nitride) ((SN) _x). Formation of poly(sulfur nitride) in the presence of water. <i>Inorganic Chemistry</i> , 1978 , 17, 1639-1642	5.1	8
34	Reaction of hydrodinitrogen(1+) with methanol. Internal energy effects in proton transfer reactions. <i>The Journal of Physical Chemistry</i> , 1977 , 81, 195-199		6
33	Reactions of CH ₃ ⁺ (CD ₃ ⁺) with C ₃ H ₆ O isomers. <i>Journal of the American Chemical Society</i> , 1977 , 99, 6042-6045	16.4	7
32	A study of the vapor phase species of polymeric sulfur nitride, (SN) _x . <i>Journal of the American Chemical Society</i> , 1977 , 99, 1726-1730	16.4	20

31	Production of H ₂ O ₂ in hydrocarbon-O ₂ -CF ₃ Br systems. <i>Fire Safety Journal</i> , 1977 , 1, 37-40	3.3	
30	Ion-molecule reactions of CH ₃ ⁺ and CD ₃ ⁺ with acetic acid, methyl acetate, dimethyl ether and ethylene oxide. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1977 , 24, 173-179		7
29	Slow ionic metastable processes as a probe for quantum mechanical tunneling. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1977 , 23, 75-77		1
28	A study of the mechanism of (2P) carbon ion reactions with benzene at 1.0 to 12 eV. <i>The Journal of Physical Chemistry</i> , 1976 , 80, 2904-2910		12
27	A tandem-ICR study of internal energy effects in the D ₃ ⁺ + Ar and ArD ⁺ + H ₂ (D ₂) reactions. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1976 , 20, 33-41		12
26	Internal-energy effects in proton-transfer reactions. The reactions of ArD ⁺ (ArH ⁺) with methane, ethylene, ethane, propylene, and cyclopropane. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1976 , 20, 43-58		11
25	Internal-energy effects in proton transfer reactions. The reactions of ArD ⁺ with several monatomic, diatomic, and polyatomic molecules. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1976 , 20, 59-69		5
24	Proton- and deuteron-transfer reactions to ethane and ethane-d ₆ : Internal-energy effects in the formation and decomposition of C ₂ H ₇ ⁺ . <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1976 , 20, 347-378		13
23	Slow metastable decomposition of methane and deuterated methanes molecular ions. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1976 , 20, 425-427		7
22	Field ionization and field desorption mass spectra of polymeric sulfur nitride. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1976 , 21, 411-414		10
21	Ion-molecule reactions of CH ₃ ⁺ with acetonitrile at thermal translational energies. <i>Chemical Physics Letters</i> , 1976 , 42, 578-580	2.5	3
20	Identification of the vapor phase species of (SN) _x . <i>Chemical Physics Letters</i> , 1976 , 41, 362-364	2.5	12
19	Evidence for complex formation in the reactions of CH ₃ ⁺ and CD ₃ ⁺ with CH ₃ OH, CD ₃ OD, and C ₂ H ₅ OH. <i>Chemical Physics Letters</i> , 1976 , 41, 64-67	2.5	14
18	Metastable transitions in n-butane and n-butane-d ₇ . <i>Organic Mass Spectrometry</i> , 1976 , 11, 309-312		7
17	Slow metastable transitions in aromatic species. <i>Organic Mass Spectrometry</i> , 1976 , 11, 445-457		11
16	Reactions of KrH ⁺ and O ₂ H ⁺ with CH ₄ , C ₂ H ₄ , C ₂ H ₆ and NH ₃ . <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1976 , 19, 201-206		10
15	Ion-molecule reactions in H ₂ /rare-gas systems by ion cyclotron resonance I. Reactions with He and Ne. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1976 , 19, 369-394		17
14	Ion-molecule reactions in H ₂ /rare-gas systems by ion cyclotron resonance II. Reactions in systems of H ₂ with Ar, Kr and Xe. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1976 , 19, 395-413		30

13	Reactions of rare-gas hydride ions with ethylene. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1976 , 20, 71-76		12
12	Ion-molecule reaction mechanisms: Thermal energy gas phase reactions of $^{12}\text{C}^+$ and $^{13}\text{C}^+$ ions with CH_4 , C_2H_4 , C_2H_6 , C_3H_6 , C_3H_8 , and $\text{CD}_3\text{CH}_2\text{CD}_3$. <i>Journal of Chemical Physics</i> , 1976 , 65, 2574-2583	3.9	24
11	Complex formation in the $\text{C}^+(2\text{P})+\text{CH}_4$ reaction at 0.1 to 10 eV. <i>Journal of Chemical Physics</i> , 1976 , 65, 3665-3667	3.9	2
10	The metastable dissociation of C_3H_8^+ at long times in a tandem ICR mass spectrometer. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1975 , 17, 233-239		20
9	On the structure of CH_5^+ ; A study of hydron transfer reactions from CH_4H^+ and CD_4H^+ tandem-ICR. <i>Chemical Physics Letters</i> , 1975 , 36, 545-547	2.5	13
8	On the reaction of Kr^+ with hydrogen. <i>Chemical Physics Letters</i> , 1975 , 32, 513-516	2.5	12
7	A low energy ICR study of the symmetric charge transfer reaction $3\text{He}^+ + 4\text{He} \rightarrow 4\text{He}^+ + 3\text{He}$. <i>Chemical Physics Letters</i> , 1974 , 27, 493-495	2.5	5
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