Richard D Smith

List of Publications by Year
in descending order

1,343 papers	98,343 citations	228 145 h-index	1310 224 g-index
1380 all docs	1380 docs citations	1380 times ranked	69690 citing authors

#	Article	IF	Citations
1	Mass spectrometryâ€based targeted proteomics for analysis of protein mutations. Mass Spectrometry Reviews, 2023, 42, 796-821.	2.8	19
2	Single-use Plastic and COVID-19 in the NHS: Barriers and Opportunities. Journal of Public Health Research, 2022, 11, jphr.2021.2483.	0.5	9
3	A Preprocessing Tool for Enhanced Ion Mobilityâ€“Mass Spectrometry-Based Omics Workflows. Journal of Proteome Research, 2022, 21, 798-807.	1.8	44
4	Three-dimensional feature matching improves coverage for single-cell proteomics based on ion mobility filtering. Cell Systems, 2022, 13, 426-434.e4.	2.9	49
5	A Miniature Multilevel Structures for Lossless Ion Manipulations Ion Mobility Spectrometer with Wide Mobility Range Separation Capabilities. Analytical Chemistry, 2022, 94, 2180-2188.	3.2	5
6	Determining protein polarization proteome-wide using physical dissection of individual Stentor coeruleus cells. Current Biology, 2022, , .	1.8	4
7	DEIMoS: An Open-Source Tool for Processing High-Dimensional Mass Spectrometry Data. Analytical Chemistry, 2022, 94, 6130-6138.	3.2	14
8	Effect of Traveling Waveform Profiles on Collision Cross Section Measurements in Structures for Lossless Ion Manipulations. Journal of the American Society for Mass Spectrometry, 2022, , .	1.2	3
9	Combined carbon and health taxes outperform single-purpose information or fiscal measures in designing sustainable food policies. Nature Food, 2022, 3, 331-340.	6.2	9
10	Exploring the potential impact of the proposed UK TV and online food advertising regulations: a concept mapping study. BMJ Open, 2022, 12, e060302.	0.8	2
11	Hanging drop sample preparation improves sensitivity of spatial proteomics. Lab on A Chip, 2022, 22, 2869-2877.	3.1	12
12	Evaluation of Waveform Profiles for Traveling Wave Ion Mobility Separations in Structures for Lossless Ion Manipulations. Journal of the American Society for Mass Spectrometry, 2021, 32, 225-236.	1.2	5
13	The political economy of sugar-sweetened beverage taxation in Latin America: lessons from Mexico, Chile and Colombia. Globalization and Health, 2021, 17, 5.	2.4	46
14	Mass Spectrometry-Based for Analysis of. Methods in Molecular Biology, 2021, 2259, 247-257.	0.4	0
15	Global-scale action in health: a common language is a critical starting point to bolster global health financing. Health Policy and Planning, 2021, 36, 227-227.	1.0	0
16	Identification of Cryptic Binding Sites Using MixMD with Standard and Accelerated Molecular Dynamics. Journal of Chemical Information and Modeling, 2021, 61, 1287-1299.	2.5	31
17	Surfactant-assisted one-pot sample preparation for label-free single-cell proteomics. Communications Biology, 2021, 4, 265.	2.0	46
18	Dynamic Time-Warping Correction for Shifts in Ultrahigh Resolving Power Ion Mobility Spectrometry and Structures for Lossless Ion Manipulations. Journal of the American Society for Mass Spectrometry, 2021, 32, 996-1007.	1.2	14

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19	Proteogenomic and metabolomic characterization of human glioblastoma. Cancer Cell, 2021, 39, 509-528.e20.	7.7	327
20	From Plants to Ants: Fungal Modification of Leaf Lipids for Nutrition and Communication in the Leaf-Cutter Ant Fungal Garden Ecosystem. MSystems, 2021, 6, .	1.7	11
21	Nutritional markers and proteome in patients undergoing treatment for pulmonary tuberculosis differ by geographic region. PLoS ONE, 2021, 16, e0250586.	1.1	5
22	AutoCCS: automated collision cross-section calculation software for ion mobility spectrometryâ€“mass spectrometry. Bioinformatics, 2021, 37, 4193-4201.	1.8	13
23	A proteogenomic portrait of lung squamous cell carcinoma. Cell, 2021, 184, 4348-4371.e40.	13.5	170
24	Unfolded Protein Response Inhibition Reduces Middle East Respiratory Syndrome Coronavirus-Induced Acute Lung Injury. MBio, 2021, 12, e0157221.	1.8	16
25	Facile One-Pot Nanoproteomics for Label-Free Proteome Profiling of 50â€“1000 Mammalian Cells. Journal of Proteome Research, 2021, 20, 4452-4461.	1.8	12
26	Proteogenomic characterization of pancreatic ductal adenocarcinoma. Cell, 2021, 184, 5031-5052.e26.	13.5	236
27	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. Journal of the American Society for Mass Spectrometry, 2021, 32, 2698-2706.	1.2	1
28	Rational policymaking during a pandemic. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	53
29	Corporate power and the international trade regime preventing progressive policy action on non-communicable diseases: a realist review. Health Policy and Planning, 2021, 36, 493-508.	1.0	29
30	Escaping the Red Queen: Health as a corporate food marketing strategy. SSM - Population Health, 2021, 16, 100953.	1.3	0
31	High-throughput and high-efficiency sample preparation for single-cell proteomics using a nested nanowell chip. Nature Communications, 2021, 12, 6246.	5.8	76
32	Have socio-economic inequalities in sugar purchasing widened? A longitudinal analysis of food and beverage consumer data from British households, 2014â€“2017. Public Health Nutrition, 2021, 24, 1583-1594.	1.1	1
33	Measurement and Theory of Gas-Phase Ion Mobility Shifts Resulting from Isotopomer Mass Distribution Changes. Analytical Chemistry, 2021, 93, 14966-14975.	3.2	15
34	Like parent, like child: a cross-sectional study of intra-household consumption patterns of non-alcoholic beverages among British households with children. Public Health Nutrition, 2021, , 1-9.	1.1	1
35	The impact of Covid-19, associated behaviours and policies on the UK economy: A computable general equilibrium model. SSM - Population Health, 2020, 12, 100651.	1.3	99
36	Proteogenomic Landscape of Breast Cancer Tumorigenesis and Targeted Therapy. Cell, 2020, 183, 1436-1456.e31.	13.5	273

#	Article	IF	Citations
37	Integrated Proteogenomic Characterization across Major Histological Types of Pediatric Brain Cancer. Cell, 2020, 183, 1962-1985.e31.	13.5	177
38	Assessing Collision Cross Section Calibration Strategies for Traveling Wave-Based Ion Mobility Separations in Structures for Lossless Ion Manipulations. Analytical Chemistry, 2020, 92, 14976-14982.	3.2	23
39	Ion Mobility Spectrometry with High Ion Utilization Efficiency Using Traveling Wave-Based Structures for Lossless Ion Manipulations. Analytical Chemistry, 2020, 92, 14930-14938.	3.2	12
40	Integrated Proteomic and Glycoproteomic Characterization of Human High-Grade Serous Ovarian Carcinoma. Cell Reports, 2020, 33, 108276.	2.9	83
41	Proteomic assessment of serum biomarkers of longevity in older men. Aging Cell, 2020, 19, e13253.	3.0	12
42	Global-scale action in health: a common language is a critical starting point to bolster global health financing. Health Policy and Planning, 2020, 35, 1133-1136.	1.0	0
43	Framing and signalling effects of taxes on sugary drinks: A discrete choice experiment among households in Great Britain. Health Economics (United Kingdom), 2020, 29, 1132-1147.	0.8	9
44	Patterns of beverage purchases amongst British households: A latent class analysis. PLoS Medicine, 2020, 17, e1003245.	3.9	10
45	What role should the commercial food system play in promoting health through better diet?. BMJ, The, 2020, 368, m545.	3.0	41
46	Proteomic Tissue-Based Classifier for Early Prediction of Prostate Cancer Progression. Cancers, 2020, 12, 1268.	1.7	8
47	Ultra-High-Resolution Ion Mobility Separations Over Extended Path Lengths and Mobility Ranges Achieved using a Multilevel Structures for Lossless Ion Manipulations Module. Analytical Chemistry, 2020, 92, 7972-7979.	3.2	48
48	Reducing consumption of unhealthy foods and beverages through banning price promotions: what is the evidence and will it work?. Public Health Nutrition, 2020, 23, 2228-2233.	1.1	20
49	Comprehensive characterization of hepatocyte-derived extracellular vesicles identifies direct miRNA-based regulation of hepatic stellate cells and DAMP-based hepatic macrophage IL-1Î² and IL-17 upregulation in alcoholic hepatitis mice. Journal of Molecular Medicine, 2020, 98, 1021-1034.	1.7	32
50	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. Analytical Chemistry, 2020, 92, 5004-5012.	3.2	21
51	Picoflow Liquid Chromatographyâ€“Mass Spectrometry for Ultrasensitive Bottom-Up Proteomics Using 2-Î¼m-i.d. Open Tubular Columns. Analytical Chemistry, 2020, 92, 4711-4715.	3.2	55
52	National Cancer Institute Think-Tank Meeting Report on Proteomic Cartography and Biomarkers at the Single-Cell Level: Interrogation of Premalignant Lesions. Journal of Proteome Research, 2020, 19, 1900-1912.	1.8	8
53	Automated Coupling of Nanodroplet Sample Preparation with Liquid Chromatographyâ€“Mass Spectrometry for High-Throughput Single-Cell Proteomics. Analytical Chemistry, 2020, 92, 10588-10596.	3.2	105
54	Proteogenomic Characterization Reveals Therapeutic Vulnerabilities in Lung Adenocarcinoma. Cell, 2020, 182, 200-225.e35.	13.5	410

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55	An analysis of the stock market reaction to the announcements of the UK Soft Drinks Industry Levy. Economics and Human Biology, 2020, 38, 100834.	0.7	23
56	Proteogenomic Characterization of Endometrial Carcinoma. Cell, 2020, 180, 729-748.e26.	13.5	296
57	Is the rise of crowdfunding for medical expenses in the United Kingdom symptomatic of systemic gaps in health and social care?. Journal of Health Services Research and Policy, 2020, 25, 181-186.	0.8	17
58	An Improved Boosting to Amplify Signal with Isobaric Labeling (iBASIL) Strategy for Precise Quantitative Single-cell Proteomics. Molecular and Cellular Proteomics, 2020, 19, 828-838.	2.5	121
59	The impact of UK soft drinks industry levy on manufacturersâ€™ domestic turnover. Economics and Human Biology, 2020, 37, 100866.	0.7	15
60	Proteogenomic Characterization of Ovarian HGSC Implicates Mitotic Kinases, Replication Stress in Observed Chromosomal Instability. Cell Reports Medicine, 2020, 1, 100004.	3.3	46
61	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. PLoS Medicine, 2020, 17, e1003269.	3.9	10
62	Carrier-assisted One-pot Sample Preparation for Targeted Proteomics Analysis of Small Numbers of Human Cells. Journal of Visualized Experiments, 2020, , .	0.2	3
63	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". International Journal of Health Policy and Management, 2020, 9, 212-214.	0.5	4
64	Meta-analysis of peptides to detect protein significance. Statistics and Its Interface, 2020, 13, 465-474.	0.2	0
65	Will More of the Same Achieve Malaria Elimination? Results from an Integrated Macroeconomic Epidemiological Demographic Model. American Journal of Tropical Medicine and Hygiene, 2020, 103, 1871-1882.	0.6	7
66	Expanding Public Health Policy Analysis for Transformative Change: The Importance of Power and Ideas Comment on "What Generates Attention to Health in Trade Policy-Making? Lessons From Success in Tobacco Control and Access to Medicines: A Qualitative Study of Australia and the (Comprehensive) Tj ETQq0 0 0 rgBT /Overlock 10 T 2020, , .	0.5	2
67	Patterns of beverage purchases amongst British households: A latent class analysis. , 2020, 17, e1003245.		0
68	Patterns of beverage purchases amongst British households: A latent class analysis. , 2020, 17, e1003245.		0
69	Patterns of beverage purchases amongst British households: A latent class analysis. , 2020, 17, e1003245.		0
70	Patterns of beverage purchases amongst British households: A latent class analysis. , 2020, 17, e1003245.		0
71	Patterns of beverage purchases amongst British households: A latent class analysis. , 2020, 17, e1003245.		0
72	Patterns of beverage purchases amongst British households: A latent class analysis. , 2020, 17, e1003245.		0

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73	Title is missing!. , 2020, 17, e1003269.		0
74	Title is missing!. , 2020, 17, e1003269.		0
75	Title is missing!. , 2020, 17, e1003269.		0
76	Title is missing!. , 2020, 17, e1003269.		0
77	Title is missing!. , 2020, 17, e1003269.		0
78	Tandem Mass Tag Labeling Facilitates Reversed-Phase Liquid Chromatography-Mass Spectrometry Analysis of Hydrophilic Phosphopeptides. Analytical Chemistry, 2019, 91, 11606-11613.	3.2	22
79	International trade, dietary change, and cardiovascular disease health outcomes: Import tariff reform using an integrated macroeconomic, environmental and health modelling framework for Thailand. SSM - Population Health, 2019, 9, 100435.	1.3	5
80	Proteomic Insights into Phycobilisome Degradation, A Selective and Tightly Controlled Process in The Fast-Growing Cyanobacterium Synechococcus elongatus UTEX 2973. Biomolecules, 2019, 9, 374.	1.8	13
81	Traveling-Wave-Based Electrodynamic Switch for Concurrent Dual-Polarity Ion Manipulations in Structures for Lossless Ion Manipulations. Analytical Chemistry, 2019, 91, 14712-14718.	3.2	7
82	Integrated Proteogenomic Characterization of Clear Cell Renal Cell Carcinoma. Cell, 2019, 179, 964-983.e31.	13.5	430
83	SLIM Ultrahigh Resolution Ion Mobility Spectrometry Separations of Isotopologues and Isotopomers Reveal Mobility Shifts due to Mass Distribution Changes. Analytical Chemistry, 2019, 91, 11952-11962.	3.2	76
84	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. Population Health Metrics, 2019, 17, 12.	1.3	4
85	High-Throughput Single Cell Proteomics Enabled by Multiplex Isobaric Labeling in a Nanodroplet Sample Preparation Platform. Analytical Chemistry, 2019, 91, 13119-13127.	3.2	156
86	Potential impact on prevalence of obesity in the UK of a 20% price increase in high sugar snacks: modelling study. BMJ: British Medical Journal, 2019, 366, l4786.	2.4	40
87	Towards resolving the spatial metabolome with unambiguous molecular annotations in complex biological systems by coupling mass spectrometry imaging with structures for lossless ion manipulations. Chemical Communications, 2019, 55, 306-309.	2.2	27
88	Palm oil and dietary change: Application of an integrated macroeconomic, environmental, demographic, and health modelling framework for Thailand. Food Policy, 2019, 83, 92-103.	2.8	17
89	A Targeted Mass Spectrometric Assay for Reliable Sensitive Hepcidin Quantification. Scientific Reports, 2019, 9, 7264.	1.6	4
90	Updates to Binding MOAD (Mother of All Databases): Polypharmacology Tools and Their Utility in Drug Repurposing. Journal of Molecular Biology, 2019, 431, 2423-2433.	2.0	62

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91	Socio-economic patterning of expenditures on â€˜out-of-homeâ€™ food and non-alcoholic beverages by product and place of purchase in Britain. Social Science and Medicine, 2019, 235, 112361.	1.8	13
92	Automated Nanoflow Two-Dimensional Reversed-Phase Liquid Chromatography System Enables In-Depth Proteome and Phosphoproteome Profiling of Nanoscale Samples. Analytical Chemistry, 2019, 91, 9707-9715.	3.2	36
93	Evaluating the structural complexity of isomeric bile acids with ion mobility spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 4673-4682.	1.9	16
94	Proteogenomic Analysis of Human Colon Cancer Reveals New Therapeutic Opportunities. Cell, 2019, 177, 1035-1049.e19.	13.5	498
95	Increased Î²-cell proliferation before immune cell invasion prevents progression of type 1 diabetes. Nature Metabolism, 2019, 1, 509-518.	5.1	38
96	Ion mobility spectrometry and the omics: Distinguishing isomers, molecular classes and contaminant ions in complex samples. TrAC - Trends in Analytical Chemistry, 2019, 116, 292-299.	5.8	71
97	Opening new paths for biological applications of ion mobility - Mass spectrometry using structures for lossless ion manipulations. TrAC - Trends in Analytical Chemistry, 2019, 116, 300-307.	5.8	28
98	Fat tax or thin subsidy? How price increases and decreases affect the energy and nutrient content of food and beverage purchases in Great Britain. Social Science and Medicine, 2019, 230, 318-327.	1.8	17
99	Boosting to Amplify Signal with Isobaric Labeling (BASIL) Strategy for Comprehensive Quantitative Phosphoproteomic Characterization of Small Populations of Cells. Analytical Chemistry, 2019, 91, 5794-5801.	3.2	86
100	Dual Polarity Ion Confinement and Mobility Separations. Journal of the American Society for Mass Spectrometry, 2019, 30, 967-976.	1.2	5
101	Inherent versus induced protein flexibility: Comparisons within and between apo and holo structures. PLoS Computational Biology, 2019, 15, e1006705.	1.5	52
102	Proximity-dependent proteomics of the Chlamydia trachomatis inclusion membrane reveals functional interactions with endoplasmic reticulum exit sites. PLoS Pathogens, 2019, 15, e1007698.	2.1	27
103	The challenge of antimicrobial resistance: What economics can contribute. Science, 2019, 364, .	6.0	292
104	Separation of Î²-Amyloid Tryptic Peptide Species with Isomerized and Racemized <scp>l</scp>-Aspartic Residues with Ion Mobility in Structures for Lossless Ion Manipulations. Analytical Chemistry, 2019, 91, 4374-4380.	3.2	37
105	Plasma lipidome reveals critical illness and recovery from human Ebola virus disease. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3919-3928.	3.3	62
106	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. BMJ Nutrition, Prevention and Health, 2019, 2, 63-71.	1.9	14
107	Is the NHS really â€œoff the tableâ€•in post-Brexit talks with the US?. BMJ, The, 2019, 367, l6898.	3.0	0
108	Carrier-Assisted Single-Tube Processing Approach for Targeted Proteomics Analysis of Low Numbers of Mammalian Cells. Analytical Chemistry, 2019, 91, 1441-1451.	3.2	24

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109	Ion Mobility-Mass Spectrometry in Metabolomic, Lipidomic, and Proteomic Analyses. Comprehensive Analytical Chemistry, 2019, , 123-159.	0.7	15
110	Preconditioning in the Rhesus Macaque Induces a Proteomic Signature Following Cerebral Ischemia that Is Associated with Neuroprotection. Translational Stroke Research, 2019, 10, 440-448.	2.3	11
111	Nanowell-mediated multidimensional separations combining nanoLC with SLIM IM-MS for rapid, high-peak-capacity proteomic analyses. Analytical and Bioanalytical Chemistry, 2019, 411, 5363-5372.	1.9	13
112	Glomerular filtrate proteins in acute cardiorenal syndrome. JCI Insight, 2019, 4, .	2.3	10
113	A Hybrid Constant and Oscillatory Field Ion Mobility Analyzer Using Structures for Lossless Ion Manipulations. Journal of the American Society for Mass Spectrometry, 2018, 29, 342-351.	1.2	4
114	Utilizing ion mobility spectrometry and mass spectrometry for the analysis of polycyclic aromatic hydrocarbons, polychlorinated biphenyls, polybrominated diphenyl ethers and their metabolites. Analytica Chimica Acta, 2018, 1037, 265-273.	2.6	59
115	Nanodroplet processing platform for deep and quantitative proteome profiling of 10â€“100 mammalian cells. Nature Communications, 2018, 9, 882.	5.8	384
116	Quality Control Analysis in Real-time (QC-ART): A Tool for Real-time Quality Control Assessment of Mass Spectrometry-based Proteomics Data. Molecular and Cellular Proteomics, 2018, 17, 1824-1836.	2.5	25
117	Highâ€throughput serum proteomics for the identification of protein biomarkers of mortality in older men. Aging Cell, 2018, 17, e12717.	3.0	19
118	MERS-CoV and H5N1 influenza virus antagonize antigen presentation by altering the epigenetic landscape. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1012-E1021.	3.3	142
119	Predicting Displaceable Water Sites Using Mixed-Solvent Molecular Dynamics. Journal of Chemical Information and Modeling, 2018, 58, 305-314.	2.5	13
120	Viewpoint: Soda taxes â€“ Four questions economists need to address. Food Policy, 2018, 74, 138-142.	2.8	31
121	Are sweet snacks more sensitive to price increases than sugar-sweetened beverages: analysis of British food purchase data. BMJ Open, 2018, 8, e019788.	0.8	22
122	Characterization of applied fields for ion mobility separations in traveling wave based structures for lossless ion manipulations (SLIM). International Journal of Mass Spectrometry, 2018, 430, 8-13.	0.7	12
123	Targeted Quantification of Phosphorylation Dynamics in the Context of EGFR-MAPK Pathway. Analytical Chemistry, 2018, 90, 5256-5263.	3.2	39
124	Evaluating lipid mediator structural complexity using ion mobility spectrometry combined with mass spectrometry. Bioanalysis, 2018, 10, 279-289.	0.6	22
125	A Global Survey of ATPase Activity in Plasmodium falciparum Asexual Blood Stages and Gametocytes. Molecular and Cellular Proteomics, 2018, 17, 111-120.	2.5	3
126	Subnanogram proteomics: Impact of LC column selection, MS instrumentation and data analysis strategy on proteome coverage for trace samples. International Journal of Mass Spectrometry, 2018, 427, 4-10.	0.7	67

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127	Towards Discovery and Targeted Peptide Biomarker Detection Using nanoESI-TIMS-TOF MS. Journal of the American Society for Mass Spectrometry, 2018, 29, 817-826.	1.2	31
128	A Customizable Flow Injection System for Automated, High Throughput, and Time Sensitive Ion Mobility Spectrometry and Mass Spectrometry Measurements. Analytical Chemistry, 2018, 90, 737-744.	3.2	11
129	Recent advances in lipid separations and structural elucidation using mass spectrometry combined with ion mobility spectrometry, ion-molecule reactions and fragmentation approaches. Current Opinion in Chemical Biology, 2018, 42, 111-118.	2.8	64
130	Online Ozonolysis Combined with Ion Mobility-Mass Spectrometry Provides a New Platform for Lipid Isomer Analyses. Analytical Chemistry, 2018, 90, 1292-1300.	3.2	114
131	Pyroptosis by caspase11/4â€gasderminâ€Ð pathway in alcoholic hepatitis in mice and patients. Hepatology, 2018, 67, 1737-1753.	3.6	165
132	An algorithm to correct saturated mass spectrometry ion abundances for enhanced quantitation and mass accuracy in omic studies. International Journal of Mass Spectrometry, 2018, 427, 91-99.	0.7	25
133	Unraveling the isomeric heterogeneity of glycans: ion mobility separations in structures for lossless ion manipulations. Chemical Communications, 2018, 54, 11701-11704.	2.2	68
134	Micropuncture of Bowman's Space in Mice Facilitated by 2 Photon Microscopy. Journal of Visualized Experiments, 2018, , .	0.2	5
135	Distinguishing enantiomeric amino acids with chiral cyclodextrin adducts and structures for lossless ion manipulations. Electrophoresis, 2018, 39, 3148-3155.	1.3	35
136	Cost-effectiveness of internet-based training for primary care clinicians on antibiotic prescribing for acute respiratory tract infections in Europe. Journal of Antimicrobial Chemotherapy, 2018, 73, 3189-3198.	1.3	23
137	Proteomic Analysis of Single Mammalian Cells Enabled by Microfluidic Nanodroplet Sample Preparation and Ultrasensitive NanoLCâ€MS. Angewandte Chemie - International Edition, 2018, 57, 12370-12374.	7.2	186
138	The MPLEx Protocol for Multi-omic Analyses of Soil Samples. Journal of Visualized Experiments, 2018, , .	0.2	19
139	Spatially Resolved Proteome Mapping of Laser Capture Microdissected Tissue with Automated Sample Transfer to Nanodroplets. Molecular and Cellular Proteomics, 2018, 17, 1864-1874.	2.5	105
140	Specialized proteomic responses and an ancient photoprotection mechanism sustain marine green algal growth during phosphate limitation. Nature Microbiology, 2018, 3, 781-790.	5.9	26
141	Characterization of the Ovarian Tumor Peptidome. Vitamins and Hormones, 2018, 107, 515-531.	0.7	5
142	Using Skyline to Analyze Data-Containing Liquid Chromatography, Ion Mobility Spectrometry, and Mass Spectrometry Dimensions. Journal of the American Society for Mass Spectrometry, 2018, 29, 2182-2188.	1.2	55
143	Reproducible workflow for multiplexed deep-scale proteome and phosphoproteome analysis of tumor tissues by liquid chromatographyâ€“mass spectrometry. Nature Protocols, 2018, 13, 1632-1661.	5.5	377
144	Improved Sensitivity and Separations for Phosphopeptides using Online Liquid Chromotography Coupled with Structures for Lossless Ion Manipulations Ion Mobilityâ€“Mass Spectrometry. Analytical Chemistry, 2018, 90, 10889-10896.	3.2	38

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145	Application of multiplexed ion mobility spectrometry towards the identification of host protein signatures of treatment effect in pulmonary tuberculosis. Tuberculosis, 2018, 112, 52-61.	0.8	20
146	The human brainome: network analysis identifies HSPA2 as a novel Alzheimerâ€™s disease target. Brain, 2018, 141, 2721-2739.	3.7	31
147	Rapid Ion Mobility Separations of Bile Acid Isomers Using Cyclodextrin Adducts and Structures for Lossless Ion Manipulations. Analytical Chemistry, 2018, 90, 11086-11091.	3.2	44
148	Residual tissue repositories as a resource for population-based cancer proteomic studies. Clinical Proteomics, 2018, 15, 26.	1.1	32
149	Facile carrier-assisted targeted mass spectrometric approach for proteomic analysis of low numbers of mammalian cells. Communications Biology, 2018, 1, 103.	2.0	21
150	Moonshot Objectives: Catalyze New Scientific Breakthroughsâ€”Proteogenomics. Cancer Journal (Sudbury, Mass), 2018, 24, 121-125.	1.0	7
151	Physiological and proteomic analyses of Fe(III)â€reducing coâ€cultures of Desulfotomaculum reducens MI â€1 and Geobacter sulfurreducens PCA. Geobiology, 2018, 16, 522-539.	1.1	9
152	Targeted brain proteomics uncover multiple pathways to Alzheimer's dementia. Annals of Neurology, 2018, 84, 78-88.	2.8	102
153	Proteomic Analysis of Single Mammalian Cells Enabled by Microfluidic Nanodroplet Sample Preparation and Ultrasensitive NanoLCâ€MS. Angewandte Chemie, 2018, 130, 12550-12554.	1.6	31
154	State Support: A Prerequisite for Global Health Network Effectiveness Comment on "Four Challenges that Global Health Networks Face". International Journal of Health Policy and Management, 2018, 7, 275-277.	0.5	7
155	Shifting global health governance towards the sustainable development goals. Bulletin of the World Health Organization, 2018, 96, 798-798A.	1.5	9
156	Abstract 284: Integrated proteogenomic analysis of laser microdissected primary breast tumors define proteome clusters. , 2018, , .		1
157	Abstract 2573: Selection of candidate biomarkers for aggressive prostate cancer based on targeted proteomics. , 2018, , .		0
158	High-resolution ultrahigh-pressure long column reversed-phase liquid chromatography for top-down proteomics. Journal of Chromatography A, 2017, 1498, 99-110.	1.8	57
159	MPLEx: a method for simultaneous pathogen inactivation and extraction of samples for multi-omics profiling. Analyst, The, 2017, 142, 442-448.	1.7	43
160	Structural Elucidation of cis/trans Dicaffeoylquinic Acid Photoisomerization Using Ion Mobility Spectrometry-Mass Spectrometry. Journal of Physical Chemistry Letters, 2017, 8, 1381-1388.	2.1	45
161	New frontiers for mass spectrometry based upon structures for lossless ion manipulations. Analyst, The, 2017, 142, 1010-1021.	1.7	95
162	Ion Elevators and Escalators in Multilevel Structures for Lossless Ion Manipulations. Analytical Chemistry, 2017, 89, 1972-1977.	3.2	22

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163	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). Analytical Chemistry, 2017, 89, 6432-6439.	3.2	42
164	2016 ASMS Workshop Review: Next Generation LC/MS: Critical Insights and Future Perspectives. Journal of the American Society for Mass Spectrometry, 2017, 28, 1248-1249.	1.2	0
165	Leucine Biosynthesis Is Involved in Regulating High Lipid Accumulation in Yarrowia lipolytica. MBio, 2017, 8, .	1.8	38
166	PIXiE: an algorithm for automated ion mobility arrival time extraction and collision cross section calculation using global data association. Bioinformatics, 2017, 33, 2715-2722.	1.8	10
167	LIQUID: an-open source software for identifying lipids in LC-MS/MS-based lipidomics data. Bioinformatics, 2017, 33, 1744-1746.	1.8	108
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