

Vicki H Wysocki

List of Publications by Year in Descending Order

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Version: 2024-04-09

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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.

257 papers	11,607 citations	56 h-index	99 g-index
275 ext. papers	12,837 ext. citations	7.8 avg, IF	6.27 L-index

#	Paper	IF	Citations
257	Native Mass Spectrometry: Recent Progress and Remaining Challenges.. <i>Annual Review of Biophysics</i> , 2022 ,	21.1	6
256	Optimization of proteomics sample preparation for identification of host and bacterial proteins in mouse feces.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 414, 2317	4.4	1
255	Native Mass Spectrometry and Surface Induced Dissociation Provide Insight into the Post-Translational Modifications of Tetrameric AQP0 Isolated from Bovine Eye Lens.. <i>Analytical Chemistry</i> , 2022 ,	7.8	2
254	Characterization of a Salmonella transcription factor-DNA complex and identification of the inducer by native mass spectrometry.. <i>Journal of Molecular Biology</i> , 2022 , 167480	6.5	0
253	Surface-Induced Dissociation for Protein Complex Characterization. <i>Methods in Molecular Biology</i> , 2022 , 211-237	1.4	1
252	Surface-induced Dissociation Mass Spectrometry as a Structural Biology Tool. <i>Chemical Reviews</i> , 2021 ,	68.1	4
251	Implementing Digital-Waveform Technology for Extended / Range Operation on a Native Dual-Quadrupole FT-IM-Orbitrap Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 2812-2820	3.5	3
250	Use of tandem affinity-buffer exchange chromatography online with native mass spectrometry for optimizing overexpression and purification of recombinant proteins. <i>Methods in Enzymology</i> , 2021 , 659, 37-70	1.7	1
249	Purification, reconstitution, and mass analysis of archaeal RNase P, a multisubunit ribonucleoprotein enzyme. <i>Methods in Enzymology</i> , 2021 , 659, 71-103	1.7	0
248	Surface-induced dissociation of protein complexes on a cyclic ion mobility spectrometer. <i>Analyst, The</i> , 2021 , 146, 6861-6873	5	3
247	Oligomeric complexes formed by Redβingle strand annealing protein in its different DNA bound states. <i>Nucleic Acids Research</i> , 2021 , 49, 3441-3460	20.1	3
246	Surface-Induced Dissociation of Protein Complexes Selected by Trapped Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 5513-5520	7.8	7
245	Tandem surface-induced dissociation of protein complexes on an ultrahigh resolution platform. <i>International Journal of Mass Spectrometry</i> , 2021 , 461,	1.9	3
244	Cellular mRNA triggers structural transformation of Ebola virus matrix protein VP40 to its essential regulatory form. <i>Cell Reports</i> , 2021 , 35, 108986	10.6	5
243	Transferrin receptor targeting by de novo sheet extension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
242	Variable-Temperature Electrospray Ionization for Temperature-Dependent Folding/Refolding Reactions of Proteins and Ligand Binding. <i>Analytical Chemistry</i> , 2021 , 93, 6924-6931	7.8	9
241	Surface-Induced Dissociation of Anionic vs Cationic Native-Like Protein Complexes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7698-7706	16.4	6

240	Prediction of Protein Complex Structure Using Surface-Induced Dissociation and Cryo-Electron Microscopy. <i>Analytical Chemistry</i> , 2021 , 93, 7596-7605	7.8	4
239	STK11/LKB1 Loss of Function Is Associated with Global DNA Hypomethylation and -Adenosyl-Methionine Depletion in Human Lung Adenocarcinoma. <i>Cancer Research</i> , 2021 , 81, 4194-4204 ^{10.1}		1
238	Generation of ordered protein assemblies using rigid three-body fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
237	Analysis of Tagged Proteins Using Tandem Affinity-Buffer Exchange Chromatography Online with Native Mass Spectrometry. <i>Biochemistry</i> , 2021 , 60, 1876-1884	3.2	7
236	De novo design of transmembrane barrels. <i>Science</i> , 2021 , 371,	33.3	25
235	Protein cofactors and substrate influence Mg ²⁺ -dependent structural changes in the catalytic RNA of archaeal RNase P. <i>Nucleic Acids Research</i> , 2021 , 49, 9444-9458	20.1	1
234	Tunable Heteroassembly of a Plant Pseudoenzyme-Enzyme Complex. <i>ACS Chemical Biology</i> , 2021 , 16, 2315-2325	4.9	3
233	De novo design of tyrosine and serine kinase-driven protein switches. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 762-770	17.6	5
232	Optimization of proteomics sample preparation for forensic analysis of skin samples. <i>Journal of Proteomics</i> , 2021 , 249, 104360	3.9	1
231	Using SLIM-Based IMS-IMS Together with Cryogenic Infrared Spectroscopy for Glycan Analysis. <i>Analytical Chemistry</i> , 2020 , 92, 9079-9085	7.8	21
230	Population Distributions from Native Mass Spectrometry Titrations Reveal Nearest-Neighbor Cooperativity in the Ring-Shaped Oligomeric Protein TRAP. <i>Biochemistry</i> , 2020 , 59, 2518-2527	3.2	6
229	A Tilted Surface and Ion Carpet Array for SID. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 458-462	3.5	5
228	De novo design of protein logic gates. <i>Science</i> , 2020 , 368, 78-84	33.3	88
227	Quaternary Structure of the Tryptophan Synthase β -Subunit Homolog BX1 from. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 227-233	3.5	1
226	Characterization of [2Fe2S]-Cluster-Bridged Protein Complexes and Reaction Intermediates by use of Native Mass Spectrometric Methods. <i>Angewandte Chemie</i> , 2020 , 132, 6790-6794	3.6	
225	Collision Cross Sections of Charge-Reduced Proteins and Protein Complexes: A Database for Collision Cross Section Calibration. <i>Analytical Chemistry</i> , 2020 , 92, 4475-4483	7.8	18
224	Ion Mobility and Surface Collisions: Submicrometer Capillaries Can Produce Native-like Protein Complexes. <i>Analytical Chemistry</i> , 2020 , 92, 2460-2467	7.8	9
223	Rapid online buffer exchange for screening of proteins, protein complexes and cell lysates by native mass spectrometry. <i>Nature Protocols</i> , 2020 , 15, 1132-1157	18.8	46

222	Characterization of [2Fe-2S]-Cluster-Bridged Protein Complexes and Reaction Intermediates by use of Native Mass Spectrometric Methods. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6724-6728	16.4	13
221	Comparative Structural Analysis of 20S Proteasome Ortholog Protein Complexes by Native Mass Spectrometry. <i>ACS Central Science</i> , 2020 , 6, 573-588	16.8	24
220	Chapter 11: Surface-induced Dissociation in Biomolecular Mass Spectrometry. <i>New Developments in Mass Spectrometry</i> , 2020 , 281-336	2.3	2
219	Cytoplasmic mRNA recapping has limited impact on proteome complexity. <i>Open Biology</i> , 2020 , 10, 2003173	1.3	3
218	Solution structure of the nucleotide hydrolase BlsM: Implication of its substrate specificity. <i>Protein Science</i> , 2020 , 29, 1760-1773	6.3	2
217	Probing the structure of nanodiscs using surface-induced dissociation mass spectrometry. <i>Chemical Communications</i> , 2020 , 56, 15651-15654	5.8	10
216	Simple and Minimally Invasive SID Devices for Native Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 11195-11203	7.8	19
215	Coupling 193 nm Ultraviolet Photodissociation and Ion Mobility for Sequence Characterization of Conformationally-Selected Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 2313-2320	3.5	6
214	HIV-1 Gag protein with or without p6 specifically dimerizes on the viral RNA packaging signal. <i>Journal of Biological Chemistry</i> , 2020 , 295, 14391-14401	5.4	12
213	Spectroscopic Evidence for Lactam Formation in Terminal Ornithine b and b Fragment Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 1565-1577	3.5	2
212	Light Regulation of Enzyme Allostery through Photo-responsive Unnatural Amino Acids. <i>Cell Chemical Biology</i> , 2019 , 26, 1501-1514.e9	8.2	15
211	Surface-Induced Dissociation of Noncovalent Protein Complexes in an Extended Mass Range Orbitrap Mass Spectrometer. <i>Analytical Chemistry</i> , 2019 , 91, 3611-3618	7.8	48
210	Generation of a Stand-Alone Tryptophan Synthase β -Subunit by Mimicking an Evolutionary Blueprint. <i>ChemBioChem</i> , 2019 , 20, 2747-2751	3.8	3
209	De novo design of tunable, pH-driven conformational changes. <i>Science</i> , 2019 , 364, 658-664	33.3	60
208	Relative interfacial cleavage energetics of protein complexes revealed by surface collisions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8143-8148	11.5	39
207	Predicting Protein Complex Structure from Surface-Induced Dissociation Mass Spectrometry Data. <i>ACS Central Science</i> , 2019 , 5, 1330-1341	16.8	19
206	Light-Regulation of Tryptophan Synthase by Combining Protein Design and Enzymology. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
205	Oligomerization Affects the Ability of Human Cyclase-Associated Proteins 1 and 2 to Promote Actin Severing by Cofilins. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	13

204	Design and Performance of a Second-Generation Surface-Induced Dissociation Cell for Fourier Transform Ion Cyclotron Resonance Mass Spectrometry of Native Protein Complexes. <i>Analytical Chemistry</i> , 2019 , 91, 14049-14057	7.8	13
203	Integrated Use of Biochemical, Native Mass Spectrometry, Computational, and Genome-Editing Methods to Elucidate the Mechanism of a Salmonella deglycase. <i>Journal of Molecular Biology</i> , 2019 , 431, 4497-4513	6.5	6
202	Programmable design of orthogonal protein heterodimers. <i>Nature</i> , 2019 , 565, 106-111	50.4	87
201	Surface-Induced Dissociation: An Effective Method for Characterization of Protein Quaternary Structure. <i>Analytical Chemistry</i> , 2019 , 91, 190-209	7.8	44
200	Stoichiometry of triple-sieve tRNA editing complex ensures fidelity of aminoacyl-tRNA formation. <i>Nucleic Acids Research</i> , 2019 , 47, 929-940	20.1	10
199	Salmonella-Mediated Inflammation Eliminates Competitors for Fructose-Asparagine in the Gut. <i>Infection and Immunity</i> , 2018 , 86,	3.7	9
198	How many human proteoforms are there?. <i>Nature Chemical Biology</i> , 2018 , 14, 206-214	11.7	324
197	Surface Induced Dissociation Coupled with High Resolution Mass Spectrometry Unveils Heterogeneity of a 211 kDa Multicopper Oxidase Protein Complex. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 723-733	3.5	13
196	Confirmation of intersubunit connectivity and topology of designed protein complexes by native MS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1268-1273	11.5	40
195	Identification of Bacterial Species That Can Utilize Fructose-Asparagine. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	10
194	Investigation of sliding DNA clamp dynamics by single-molecule fluorescence, mass spectrometry and structure-based modeling. <i>Nucleic Acids Research</i> , 2018 , 46, 3103-3118	20.1	10
193	Measurement of Fructose-Asparagine Concentrations in Human and Animal Foods. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 212-217	5.7	11
192	The Exon Junction Complex Undergoes a Compositional Switch that Alters mRNP Structure and Nonsense-Mediated mRNA Decay Activity. <i>Cell Reports</i> , 2018 , 25, 2431-2446.e7	10.6	33
191	Proteogenomic Analysis of Surgically Resected Lung Adenocarcinoma. <i>Journal of Thoracic Oncology</i> , 2018 , 13, 1519-1529	8.9	8
190	Localization of Protein Complex Bound Ligands by Surface-Induced Dissociation High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 12796-12801	7.8	21
189	RNA-binding proteins and heat-shock protein 90 are constituents of the cytoplasmic capping enzyme interactome. <i>Journal of Biological Chemistry</i> , 2018 , 293, 16596-16607	5.4	6
188	Identifying Unknown Enzyme-Substrate Pairs from the Cellular Milieu with Native Mass Spectrometry. <i>ChemBioChem</i> , 2017 , 18, 613-617	3.8	8
187	Eng1 and Exg8 Are the Major β -Glucanases Secreted by the Fungal Pathogen. <i>Journal of Biological Chemistry</i> , 2017 , 292, 4801-4810	5.4	26

186	Surface induced dissociation as a tool to study membrane protein complexes. <i>Chemical Communications</i> , 2017 , 53, 3106-3109	5.8	30
185	Infrared Multiple-Photon Dissociation Action Spectroscopy of the b Ion from PPG: Evidence of Third Residue Affecting b Fragment Structure. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1482-1488	3.5	13
184	Chemical and pathogen-induced inflammation disrupt the murine intestinal microbiome. <i>Microbiome</i> , 2017 , 5, 47	16.6	64
183	Surface-Induced Dissociation of Protein Complexes in a Hybrid Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. <i>Analytical Chemistry</i> , 2017 , 89, 895-901	7.8	21
182	Biogenic manganese oxide nanoparticle formation by a multimeric multicopper oxidase Mnx. <i>Nature Communications</i> , 2017 , 8, 746	17.4	46
181	Foldability of a Natural De Novo Evolved Protein. <i>Structure</i> , 2017 , 25, 1687-1696.e4	5.2	19
180	Human Argonaute3 has slicer activity. <i>Nucleic Acids Research</i> , 2017 , 45, 11867-11877	20.1	46
179	Evolutionary diversification of protein-protein interactions by interface add-ons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8333-E8342	11.5	13
178	A novel double kink-turn module in euryarchaeal RNase P RNAs. <i>Nucleic Acids Research</i> , 2017 , 45, 7432-7440	14.0	18
177	Use of chemical modification and mass spectrometry to identify substrate-contacting sites in proteinaceous RNase P, a tRNA processing enzyme. <i>Nucleic Acids Research</i> , 2016 , 44, 5344-55	20.1	13
176	Extended Gas-Phase Trapping Followed by Surface-Induced Dissociation of Noncovalent Protein Complexes. <i>Analytical Chemistry</i> , 2016 , 88, 1218-21	7.8	19
175	Possible isomers in ligand protected Ag ₁₁ cluster ions identified by ion mobility mass spectrometry and fragmented by surface induced dissociation. <i>Chemical Communications</i> , 2016 , 52, 3805-8	5.8	36
174	R vs. S fluoroproline ring substitution: trans/cis effects on the formation of b ₂ ions in gas-phase peptide fragmentation. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 2202-9	3.6	6
173	A metabolic intermediate of the fructose-asparagine utilization pathway inhibits growth of a <i>Salmonella</i> fraB mutant. <i>Scientific Reports</i> , 2016 , 6, 28117	4.9	14
172	A Protein-derived Oxygen Is the Source of the Amide Oxygen of Nitrile Hydratases. <i>Journal of Biological Chemistry</i> , 2016 , 291, 7822-9	5.4	5
171	The <i>Pseudomonas aeruginosa</i> AmrZ C-terminal domain mediates tetramerization and is required for its activator and repressor functions. <i>Environmental Microbiology Reports</i> , 2016 , 8, 85-90	3.7	11
170	A dimer interface mutation in glyceraldehyde-3-phosphate dehydrogenase regulates its binding to AU-rich RNA. <i>Journal of Biological Chemistry</i> , 2015 , 290, 1770-85	5.4	34
169	Label-free detection and identification of protein ligands captured by receptors in a polymerized planar lipid bilayer using MALDI-TOF MS. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 2777-89	4.4	3

168	Surface induced dissociation yields substructure of 20S proteasome complexes. <i>International Journal of Mass Spectrometry</i> , 2015 , 377, 201-204	1.9	12
167	Top-down-assisted bottom-up method for homologous protein sequencing: hemoglobin from 33 bird species. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 1875-84	3.5	5
166	Illustration of SID-IM-SID (surface-induced dissociation-ion mobility-SID) mass spectrometry: homo and hetero model protein complexes. <i>Analyst, The</i> , 2015 , 140, 7012-9	5	16
165	Surface-Induced Dissociation Mass Spectra as a Tool for Distinguishing Different Structural Forms of Gas-Phase Multimeric Protein Complexes. <i>Analytical Chemistry</i> , 2015 , 87, 11879-86	7.8	45
164	Laser desorption ionization of small molecules assisted by tungsten oxide and rhenium oxide particles. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 891-8	2.2	15
163	Resolution of Stepwise Cooperativities of Copper Binding by the Homotetrameric Copper-Sensitive Operon Repressor (CsoR): Impact on Structure and Stability. <i>Angewandte Chemie</i> , 2015 , 127, 12986-12990	3.6	6
162	Resolution of Stepwise Cooperativities of Copper Binding by the Homotetrameric Copper-Sensitive Operon Repressor (CsoR): Impact on Structure and Stability. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12795-9	16.4	10
161	Surface-Induced Dissociation of Homotetramers with D2 Symmetry Yields their Assembly Pathways and Characterizes the Effect of Ligand Binding. <i>Chemistry and Biology</i> , 2015 , 22, 583-92		49
160	Low energy CID and action IRMPD provide insights into a minor subpopulation of the gas-phase conformers of triply charged bradykinin. <i>International Journal of Mass Spectrometry</i> , 2015 , 391, 2-10	1.9	4
159	Refining the Structural Model of a Heterohexameric Protein Complex: Surface Induced Dissociation and Ion Mobility Provide Key Connectivity and Topology Information. <i>ACS Central Science</i> , 2015 , 1, 477-487	16.8	49
158	Mass spectrometry: Bound in flight. <i>Nature Chemistry</i> , 2015 , 7, 189-90	17.6	1
157	Mutant poisoning demonstrates a nonsequential mechanism for digestion of double-stranded DNA by Exonuclease trimers. <i>Biochemistry</i> , 2015 , 54, 942-51	3.2	3
156	Probing the run-on oligomer of activated SgrAI bound to DNA. <i>PLoS ONE</i> , 2015 , 10, e0124783	3.7	10
155	Shotgun Proteomic Analysis of Protein Expression in Mosquito Ovaries Post Blood Meal. <i>FASEB Journal</i> , 2015 , 29, 567.13	0.9	
154	Mass Spectrometry in Structural Biology: Surface-induced Dissociation/Ion Mobility of Protein Complexes. <i>FASEB Journal</i> , 2015 , 29, 360.3	0.9	1
153	Surface induced dissociation: dissecting noncovalent protein complexes in the gas phase. <i>Accounts of Chemical Research</i> , 2014 , 47, 1010-8	24.3	99
152	Human defensins facilitate local unfolding of thermodynamically unstable regions of bacterial protein toxins. <i>Immunity</i> , 2014 , 41, 709-21	32.3	46
151	Uncovering the stoichiometry of Pyrococcus furiosus RNase P, a multi-subunit catalytic ribonucleoprotein complex, by surface-induced dissociation and ion mobility mass spectrometry. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11483-7	16.4	28

150	Gas-phase helical peptides mimic solution-phase behavior. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14173-83	16.4	11
149	Histone H1 phosphorylation in breast cancer. <i>Journal of Proteome Research</i> , 2014 , 13, 2453-67	5.6	30
148	Investigations of the mechanism of the "proline effect" in tandem mass spectrometry experiments: the "pipecolic acid effect". <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 1705-15	3.5	21
147	Paper spray ionization of noncovalent protein complexes. <i>Analytical Chemistry</i> , 2014 , 86, 1342-6	7.8	58
146	Interfacial residues promote an optimal alignment of the catalytic center in human soluble guanylate cyclase: heterodimerization is required but not sufficient for activity. <i>Biochemistry</i> , 2014 , 53, 2153-65	3.2	34
145	Surface induced dissociation yields quaternary substructure of refractory noncovalent phosphorylase B and glutamate dehydrogenase complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 368-79	3.5	28
144	Uncovering the Stoichiometry of Pyrococcus furiosus RNase P, a Multi-Subunit Catalytic Ribonucleoprotein Complex, by Surface-Induced Dissociation and Ion Mobility Mass Spectrometry. <i>Angewandte Chemie</i> , 2014 , 126, 11667-11671	3.6	1
143	Gene regulation by substoichiometric heterocomplex formation of undecameric TRAP and trimeric anti-TRAP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 3442-7	11.5	12
142	Ligand binding and unfolding of tryptophan synthase revealed by ion mobility-tandem mass spectrometry employing collision and surface induced dissociation. <i>International Journal for Ion Mobility Spectrometry</i> , 2013 , 16, 133-143	1.5	11
141	High-resolution identification of human adiponectin oligomers and regulation by pioglitazone in type 2 diabetic patients. <i>Analytical Biochemistry</i> , 2013 , 437, 150-60	3.1	8
140	Influence of N-terminal residue composition on the structure of proline-containing b2+ ions. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 1291-8	2.8	22
139	Impact of charge state on gas-phase behaviors of noncovalent protein complexes in collision induced dissociation and surface induced dissociation. <i>Analyst, The</i> , 2013 , 138, 1353-62	5	62
138	A polymetamorphic protein. <i>Protein Science</i> , 2013 , 22, 641-9	6.3	6
137	Molecular model of a soluble guanylyl cyclase fragment determined by small-angle X-ray scattering and chemical cross-linking. <i>Biochemistry</i> , 2013 , 52, 1568-82	3.2	51
136	An unusual dimeric small heat shock protein provides insight into the mechanism of this class of chaperones. <i>Journal of Molecular Biology</i> , 2013 , 425, 1683-96	6.5	48
135	Structural analysis of activated SgrAI-DNA oligomers using ion mobility mass spectrometry. <i>Biochemistry</i> , 2013 , 52, 4373-81	3.2	18
134	Low mass MS/MS fragments of protonated amino acids used for distinction of their ¹³ C-isotopomers in metabolic studies. <i>Journal of the American Society for Mass Spectrometry</i> , 2013 , 24, 622-31	3.5	8
133	Dissecting the large noncovalent protein complex GroEL with surface-induced dissociation and ion mobility-mass spectrometry. <i>Analytical Chemistry</i> , 2013 , 85, 8262-7	7.8	74

132	Survival of host blood proteins in Ixodes scapularis (Acari: Ixodidae) ticks: a time course study. <i>Journal of Medical Entomology</i> , 2013 , 50, 1282-90	2.2	12
131	Influence of a Gamma Amino Acid on the Structures and Reactivity of Peptide a(3) Ions. <i>International Journal of Mass Spectrometry</i> , 2012 , 316-318, 259-267	1.9	4
130	PCR-electrospray ionization mass spectrometry: the potential to change infectious disease diagnostics in clinical and public health laboratories. <i>Journal of Molecular Diagnostics</i> , 2012 , 14, 295-304	5.1	71
129	The influence glutamic acid in protonated b-lb formation from VGEIG and related analogs. <i>International Journal of Mass Spectrometry</i> , 2012 , 325-327, 139-149	1.9	5
128	N-terminal region of CusB is sufficient for metal binding and metal transfer with the metallochaperone CusF. <i>Biochemistry</i> , 2012 , 51, 6767-75	3.2	30
127	Surface-induced dissociation of ion mobility-separated noncovalent complexes in a quadrupole/time-of-flight mass spectrometer. <i>Analytical Chemistry</i> , 2012 , 84, 6016-23	7.8	58
126	Study of the fragmentation of arginine isobutyl ester applied to arginine quantification in Aedes aegypti mosquito excreta. <i>Journal of Mass Spectrometry</i> , 2012 , 47, 1364-71	2.2	11
125	Development of a host blood meal database: de novo sequencing of hemoglobin from nine small mammals using mass spectrometry. <i>Biological Chemistry</i> , 2012 , 393, 195-201	4.5	16
124	Methods of Mass Spectrometry in Homeland Security Applications 2012 , 417-439		2
123	Structural influences on preferential oxazolone versus diketopiperazine b(2+) ion formation for histidine analogue-containing peptides. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 4296-304	2.8	30
122	Protein Subunits Released by Surface Collisions of Noncovalent Complexes: Nativelike Compact Structures Revealed by Ion Mobility Mass Spectrometry. <i>Angewandte Chemie</i> , 2012 , 124, 4412-4415	3.6	4
121	Protein subunits released by surface collisions of noncovalent complexes: nativelike compact structures revealed by ion mobility mass spectrometry. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4336-9	16.4	82
120	SQID-XLink: implementation of an intensity-incorporated algorithm for cross-linked peptide identification. <i>Bioinformatics</i> , 2012 , 28, 2548-50	7.2	10
119	ETD fragmentation features improve algorithm. <i>Expert Review of Proteomics</i> , 2012 , 9, 241-3	4.2	
118	Molecular structure and function of the novel BrnT/BrnA toxin-antitoxin system of Brucella abortus. <i>Journal of Biological Chemistry</i> , 2012 , 287, 12098-110	5.4	42
117	Activation by Oligomerization of an Allosteric Sequence Specific Endonuclease. <i>FASEB Journal</i> , 2012 , 26, 1b91	0.9	
116	Characterization of a novel Aedes aegypti ferritin subunit identified utilizing proteomic techniques. <i>FASEB Journal</i> , 2012 , 26, 985.4	0.9	
115	Comparative analysis of PCR-electrospray ionization/mass spectrometry (MS) and MALDI-TOF/MS for the identification of bacteria and yeast from positive blood culture bottles. <i>Clinical Chemistry</i> , 2011 , 57, 1057-67	5.5	88

114	The role of proton bridges in selective cleavage of Ser-, Thr-, Cys-, Met-, Asp-, and Asn-containing peptides. <i>International Journal of Mass Spectrometry</i> , 2011 , 300, 108-117	1.9	8
113	Use of PCR coupled with electrospray ionization mass spectrometry for rapid identification of bacterial and yeast bloodstream pathogens from blood culture bottles. <i>Journal of Clinical Microbiology</i> , 2011 , 49, 345-53	9.7	87
112	Determinants of gas-phase disassembly behavior in homodimeric protein complexes with related yet divergent structures. <i>Analytical Chemistry</i> , 2011 , 83, 3881-9	7.8	25
111	Statistical analysis of electron transfer dissociation pairwise fragmentation patterns. <i>Analytical Chemistry</i> , 2011 , 83, 9540-5	7.8	31
110	Interactions between CusF and CusB identified by NMR spectroscopy and chemical cross-linking coupled to mass spectrometry. <i>Biochemistry</i> , 2011 , 50, 2559-66	3.2	41
109	Revealing the quaternary structure of a heterogeneous noncovalent protein complex through surface-induced dissociation. <i>Analytical Chemistry</i> , 2011 , 83, 2862-5	7.8	68
108	SQID: an intensity-incorporated protein identification algorithm for tandem mass spectrometry. <i>Journal of Proteome Research</i> , 2011 , 10, 1593-602	5.6	45
107	Proteomics analyses of the opportunistic pathogen <i>Burkholderia vietnamiensis</i> using protein fractionations and mass spectrometry. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 701928		9
106	NF45 and NF90 regulate HS4-dependent interleukin-13 transcription in T cells. <i>Journal of Biological Chemistry</i> , 2010 , 285, 8256-67	5.4	46
105	Mechanistic differences between two conserved classes of small heat shock proteins found in the plant cytosol. <i>Journal of Biological Chemistry</i> , 2010 , 285, 11489-97	5.4	70
104	Understanding and exploiting Peptide fragment ion intensities using experimental and informatic approaches. <i>Methods in Molecular Biology</i> , 2010 , 604, 73-94	1.4	13
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