

Vicki H Wysocki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7417797/publications.pdf>

Version: 2024-02-01

256
papers

13,932
citations

19657

61
h-index

26613

107
g-index

275
all docs

275
docs citations

275
times ranked

10496
citing authors

#	ARTICLE	IF	CITATIONS
1	Mobile and localized protons: a framework for understanding peptide dissociation. <i>Journal of Mass Spectrometry</i> , 2000, 35, 1399-1406.	1.6	933
2	Influence of Peptide Composition, Gas-Phase Basicity, and Chemical Modification on Fragmentation Efficiency: Evidence for the Mobile Proton Model. <i>Journal of the American Chemical Society</i> , 1996, 118, 8365-8374.	13.7	805
3	How many human proteoforms are there?. <i>Nature Chemical Biology</i> , 2018, 14, 206-214.	8.0	580
4	Interface Dipoles Arising from Self-Assembled Monolayers on Gold: UV-Photoemission Studies of Alkanethiols and Partially Fluorinated Alkanethiols. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11690-11699.	2.6	407
5	Influence of Secondary Structure on the Fragmentation of Protonated Peptides. <i>Journal of the American Chemical Society</i> , 1999, 121, 5142-5154.	13.7	335
6	Cleavage N-Terminal to Proline: Analysis of a Database of Peptide Tandem Mass Spectra. <i>Analytical Chemistry</i> , 2003, 75, 1963-1971.	6.5	297
7	Surface-induced Dissociation: An Effective Tool to Probe Structure, Energetics and Fragmentation Mechanisms of Protonated Peptides. <i>Journal of Mass Spectrometry</i> , 1996, 31, 339-350.	1.6	284
8	Mass spectrometry of peptides and proteins. <i>Methods</i> , 2005, 35, 211-222.	3.8	254
9	Statistical Characterization of Ion Trap Tandem Mass Spectra from Doubly Charged Tryptic Peptides. <i>Analytical Chemistry</i> , 2003, 75, 1155-1163.	6.5	251
10	A Linguistic Comparison of Letters of Recommendation for Male and Female Chemistry and Biochemistry Job Applicants. <i>Sex Roles</i> , 2007, 57, 509-514.	2.4	229
11	Statistical Characterization of the Charge State and Residue Dependence of Low-Energy CID Peptide Dissociation Patterns. <i>Analytical Chemistry</i> , 2005, 77, 5800-5813.	6.5	219
12	Internal energy distributions of isolated ions after activation by various methods. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1987, 75, 181-208.	1.8	210
13	Fragmentation of protonated peptides: surface-induced dissociation in conjunction with a quantum mechanical approach. <i>Analytical Chemistry</i> , 1993, 65, 2859-2872.	6.5	197
14	Selective Gas-Phase Cleavage at the Peptide Bond C-Terminal to Aspartic Acid in Fixed-Charge Derivatives of Asp-Containing Peptides. <i>Analytical Chemistry</i> , 2000, 72, 5804-5813.	6.5	194
15	Small-Molecule Analysis with Silicon-Nanoparticle-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 434-444.	6.5	181
16	Sequence Dependence of Peptide Fragmentation Efficiency Curves Determined by Electrospray Ionization/Surface-Induced Dissociation Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 1994, 116, 8368-8369.	13.7	163
17	De novo design of protein logic gates. <i>Science</i> , 2020, 368, 78-84.	12.6	151
18	Influence of Basic Residue Content on Fragment Ion Peak Intensities in Low-Energy Collision-Induced Dissociation Spectra of Peptides. <i>Analytical Chemistry</i> , 2004, 76, 1243-1248.	6.5	148

#	ARTICLE	IF	CITATIONS
19	Programmable design of orthogonal protein heterodimers. <i>Nature</i> , 2019, 565, 106-111.	27.8	139
20	Chemical and pathogen-induced inflammation disrupt the murine intestinal microbiome. <i>Microbiome</i> , 2017, 5, 47.	11.1	125
21	Surface-induced dissociation of small molecules, peptides, and non-covalent protein complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 190-208.	2.8	118
22	Tuning the Effective Work Function of Gold and Silver Using γ -Functionalized Alkanethiols: Varying Surface Composition through Dilution and Choice of Terminal Groups. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20328-20334.	3.1	117
23	Refining the model for selective cleavage at acidic residues in arginine-containing protonated peptides. <i>International Journal of Mass Spectrometry</i> , 2000, 195-196, 467-479.	1.5	112
24	Surface Induced Dissociation: Dissecting Noncovalent Protein Complexes in the Gas phase. <i>Accounts of Chemical Research</i> , 2014, 47, 1010-1018.	15.6	112
25	De novo design of tunable, pH-driven conformational changes. <i>Science</i> , 2019, 364, 658-664.	12.6	109
26	Reductive Defluorination of Perfluorooctane Sulfonate. <i>Environmental Science & Technology</i> , 2008, 42, 3260-3264.	10.0	108
27	The effect of protonation site on bond strengths in simple peptides: Application of Ab initio and modified neglect of differential overlap bond orders and modified neglect of differential overlap energy partitioning. <i>Journal of the American Society for Mass Spectrometry</i> , 1994, 5, 704-717.	2.8	107
28	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, 345-353.	3.9	100
29	Surface-induced dissociation in tandem quadrupole mass spectrometers: A comparison of three designs. <i>Journal of the American Society for Mass Spectrometry</i> , 1992, 3, 27-32.	2.8	99
30	IRMPD Spectroscopy Shows That AGG Forms an Oxazolone $b_2 + c$ Ion. <i>Journal of the American Chemical Society</i> , 2008, 130, 17644-17645.	13.7	99
31	Comparative Analysis of PCR-Enhanced 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, 1057-1067.	3.2	99
32	Charge-remote fragmentation of gas-phase ions: mechanistic and energetic considerations in the dissociation of long-chain functionalized alkanes and alkenes. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1991, 104, 179-211.	1.8	98
33	Evidence of Diketopiperazine and Oxazolone Structures for HA $b_2 + c$ Ion. <i>Journal of the American Chemical Society</i> , 2009, 131, 17528-17529.	13.7	94
34	PCR-Enhanced Electrospray Ionization Mass Spectrometry. <i>Journal of Molecular Diagnostics</i> , 2012, 14, 295-304.	2.8	89
35	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, 4336-4339.	13.8	89
36	Internal energy distribution of benzene molecular ions in surface-induced dissociation. <i>Journal of Mass Spectrometry</i> , 1995, 30, 212-217.	1.6	88

#	ARTICLE	IF	CITATIONS
37	The Effect of the Initial Water of Hydration on the Energetics, Structures, and H/D Exchange Mechanism of a Family of Pentapeptides: An Experimental and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2003, 125, 13768-13775.	13.7	88
38	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.	12.0	88
39	Energy deposition in $[\text{Fe}(\text{CO})_5]^+\text{E}^{\text{TM}}$ upon collision with a metal surface. <i>Organic Mass Spectrometry</i> , 1986, 21, 193-195.	1.3	87
40	Human Argonaute3 has slicer activity. <i>Nucleic Acids Research</i> , 2017, 45, 11867-11877.	14.5	86
41	Symmetrical Gas-Phase Dissociation of Noncovalent Protein Complexes via Surface Collisions. <i>Journal of the American Chemical Society</i> , 2006, 128, 15044-15045.	13.7	84
42	A Mechanistic Investigation of the Enhanced Cleavage at Histidine in the Gas-Phase Dissociation of Protonated Peptides. <i>Analytical Chemistry</i> , 2004, 76, 2083-2094.	6.5	83
43	De novo design of transmembrane β^2 barrels. <i>Science</i> , 2021, 371, .	12.6	83
44	Dissecting the Large Noncovalent Protein Complex GroEL with Surface-Induced Dissociation and Ion Mobility-Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 8262-8267.	6.5	82
45	Reactive collisions of benzene ion $\text{C}_6\text{H}_6^+\text{bul.}$ and $\text{C}_6\text{D}_6^+\text{bul.}$ at self-assembled monolayer films prepared on gold from n-alkane thiols and a fluorinated alkanethiol: the influence of chain length on the reactivity of the films and the neutralization of the projectile. <i>Journal of the American Chemical Society</i> , 1993, 115, 5275-5283.	13.7	81
46	Thermal decomposition kinetics of protonated peptides and peptide dimers, and comparison with surface-induced dissociation. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 829-836.	1.5	79
47	Revealing the Quaternary Structure of a Heterogeneous Noncovalent Protein Complex through Surface-Induced Dissociation. <i>Analytical Chemistry</i> , 2011, 83, 2862-2865.	6.5	78
48	The influence of histidine on cleavage C-terminal to acidic residues in doubly protonated tryptic peptides. <i>International Journal of Mass Spectrometry</i> , 2002, 219, 233-244.	1.5	77
49	Surface-induced dissociation shows potential to be more informative than collision-induced dissociation for structural studies of large systems. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 903-913.	2.8	77
50	Mechanistic Differences between Two Conserved Classes of Small Heat Shock Proteins Found in the Plant Cytosol. <i>Journal of Biological Chemistry</i> , 2010, 285, 11489-11497.	3.4	77
51	Molecular Structure and Function of the Novel BrnT/BrnA Toxin-Antitoxin System of <i>Brucella abortus</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 12098-12110.	3.4	75
52	Impact of charge state on gas-phase behaviors of noncovalent protein complexes in collision induced dissociation and surface induced dissociation. <i>Analyst</i> , 2013, 138, 1353.	3.5	74
53	Surface-Induced Dissociation of Multiply Protonated Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 1992, 3, 859-862.	2.8	73
54	Surface-Induced Dissociation of Ion Mobility-Separated Noncovalent Complexes in a Quadrupole/Time-of-Flight Mass Spectrometer. <i>Analytical Chemistry</i> , 2012, 84, 6016-6023.	6.5	72

#	ARTICLE	IF	CITATIONS
55	Polyatomic ion/surface collisions at self-assembled monolayers films. <i>Journal of the American Chemical Society</i> , 1991, 113, 8969-8970.	13.7	71
56	Human Defensins Facilitate Local Unfolding of Thermodynamically Unstable Regions of Bacterial Protein Toxins. <i>Immunity</i> , 2014, 41, 709-721.	14.3	71
57	Insights into Small Heat Shock Protein and Substrate Structure during Chaperone Action Derived from Hydrogen/Deuterium Exchange and Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2008, 283, 26634-26642.	3.4	70
58	Paper Spray Ionization of Noncovalent Protein Complexes. <i>Analytical Chemistry</i> , 2014, 86, 1342-1346.	6.5	70
59	Noncovalent Protein Tetramers and Pentamers with n -Charges Yield Monomers with $n/4$ and $n/5$ Charges. <i>Analytical Chemistry</i> , 2009, 81, 1347-1356.	6.5	68
60	Surface-Induced Dissociation: An Effective Method for Characterization of Protein Quaternary Structure. <i>Analytical Chemistry</i> , 2019, 91, 190-209.	6.5	67
61	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, 3034-3035.	13.7	66
62	Biogenic manganese oxide nanoparticle formation by a multimeric multicopper oxidase Mnx. <i>Nature Communications</i> , 2017, 8, 746.	12.8	65
63	Fragmentation of protonated oligopeptides XLDVLQ (X=L, H, K or R) by surface induced dissociation: additional evidence for the "mobile proton" model. <i>Analytica Chimica Acta</i> , 1999, 397, 247-256.	5.4	63
64	Rapid Molecular Genotyping and Clonal Complex Assignment of <i>Staphylococcus aureus</i> Isolates by PCR Coupled to Electrospray Ionization-Mass Spectrometry. <i>Journal of Clinical Microbiology</i> , 2009, 47, 1733-1741.	3.9	63
65	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, 583-592.	6.0	62
66	Surface-Induced Dissociation of Noncovalent Protein Complexes in an Extended Mass Range Orbitrap Mass Spectrometer. <i>Analytical Chemistry</i> , 2019, 91, 3611-3618.	6.5	61
67	Internal energy requirements for remote site fragmentation. <i>Organic Mass Spectrometry</i> , 1988, 23, 627-633.	1.3	60
68	Discovery of an alternate metabolic pathway for urea synthesis in adult <i>Aedes aegypti</i> mosquitoes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 518-523.	7.1	60
69	Pathogen Profiling: Rapid Molecular Characterization of <i>Staphylococcus aureus</i> by PCR/Electrospray Ionization-Mass Spectrometry and Correlation with Phenotype. <i>Journal of Clinical Microbiology</i> , 2009, 47, 3129-3137.	3.9	60
70	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.	7.1	60
71	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.	7.1	60
72	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.	6.4	59

#	ARTICLE	IF	CITATIONS
73	Surface-Induced Dissociation of Peptides and Protein Complexes in a Quadrupole/Time-of-Flight Mass Spectrometer. <i>Analytical Chemistry</i> , 2008, 80, 1425-1436.	6.5	57
74	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.	11.3	57
75	Molecular Model of a Soluble Guanylyl Cyclase Fragment Determined by Small-Angle X-ray Scattering and Chemical Cross-Linking. <i>Biochemistry</i> , 2013, 52, 1568-1582.	2.5	56
76	SQID: An Intensity-Incorporated Protein Identification Algorithm for Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2011, 10, 1593-1602.	3.7	55
77	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, 1683-1696.	4.2	54
78	Differential ammonia metabolism in <i>Aedes aegypti</i> fat body and midgut tissues. <i>Journal of Insect Physiology</i> , 2010, 56, 1040-1049.	2.0	52
79	NF45 and NF90 Regulate HS4-dependent Interleukin-13 Transcription in T Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 8256-8267.	3.4	52
80	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, 11879-11886.	6.5	52
81	Interactions between CusF and CusB Identified by NMR Spectroscopy and Chemical Cross-Linking Coupled to Mass Spectrometry. <i>Biochemistry</i> , 2011, 50, 2559-2566.	2.5	51
82	Average Activation Energies of Low-energy Fragmentation Processes of Protonated Peptides Determined by a New Approach. , 1996, 10, 911-918.		50
83	Native Mass Spectrometry: Recent Progress and Remaining Challenges. <i>Annual Review of Biophysics</i> , 2022, 51, 157-179.	10.0	50
84	Computational investigation and hydrogen/deuterium exchange of the fixed charge derivative tris(2,4,6-Trimethoxyphenyl) phosphonium: Implications for the aspartic acid cleavage mechanism. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1067-1080.	2.8	48
85	A Dimer Interface Mutation in Glyceraldehyde-3-Phosphate Dehydrogenase Regulates Its Binding to AU-rich RNA. <i>Journal of Biological Chemistry</i> , 2015, 290, 1770-1785.	3.4	47
86	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, 70-79.	3.7	46
87	Identification of Residual Blood Proteins in Ticks by Mass Spectrometry Proteomics. <i>Emerging Infectious Diseases</i> , 2008, 14, 1273-1275.	4.3	46
88	Eng1 and Exg8 Are the Major β -Glucanases Secreted by the Fungal Pathogen <i>Histoplasma capsulatum</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 4801-4810.	3.4	46
89	Using SLIM-Based IMS-IMS Together with Cryogenic Infrared Spectroscopy for Glycan Analysis. <i>Analytical Chemistry</i> , 2020, 92, 9079-9085.	6.5	45
90	Foldability of a Natural De Novo Evolved Protein. <i>Structure</i> , 2017, 25, 1687-1696.e4.	3.3	44

#	ARTICLE	IF	CITATIONS
91	Effect of Alkyl Substitution at the Amide Nitrogen on Amide Bond Cleavage: Electrospray Ionization/Surface-induced Dissociation Fragmentation of Substance P and Two Alkylated Analogs. <i>Journal of Mass Spectrometry</i> , 1996, 31, 1141-1148.	1.6	42
92	Low-Energy Ion-Surface Reactions of Pyrazine with Two Classes of Self-Assembled Monolayers: Influence of Alkyl Chain Orientation. <i>Analytical Chemistry</i> , 2000, 72, 2603-2608.	6.5	42
93	Reactive ion-surface collisions: Application of ionized acetone-d ₆ , DMSO-d ₆ and pyridine-d ₅ as probes for the characterization of self-assembled monolayer films on gold. <i>Organic Mass Spectrometry</i> , 1993, 28, 1665-1673.	1.3	40
94	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, 2153-2165.	2.5	39
95	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, 3805-3808.	4.1	39
96	Investigation of gas phase ion structure for proline-containing b ₂ ion. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 20-28.	2.8	38
97	Histone H1 Phosphorylation in Breast Cancer. <i>Journal of Proteome Research</i> , 2014, 13, 2453-2467.	3.7	38
98	N-Terminal Region of CusB Is Sufficient for Metal Binding and Metal Transfer with the Metallochaperone CusF. <i>Biochemistry</i> , 2012, 51, 6767-6775.	2.5	37
99	Predicting Protein Complex Structure from Surface-Induced Dissociation Mass Spectrometry Data. <i>ACS Central Science</i> , 2019, 5, 1330-1341.	11.3	37
100	Comparative Structural Analysis of 20S Proteasome Ortholog Protein Complexes by Native Mass Spectrometry. <i>ACS Central Science</i> , 2020, 6, 573-588.	11.3	37
101	Are peptides without basic residues protonated primarily at the amino terminus?. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1998, 174, 95-100.	1.8	36
102	Analysis of whole body ammonia metabolism in <i>Aedes aegypti</i> using [15N]-labeled compounds and mass spectrometry. <i>Insect Biochemistry and Molecular Biology</i> , 2006, 36, 614-622.	2.7	36
103	Competitive dehydration and deamination of .alpha.,.omega.-amino alcohols and .alpha.,.omega.-amino acids in the gas phase. <i>Journal of Organic Chemistry</i> , 1985, 50, 1287-1291.	3.2	35
104	Internal energy deposition with silicon nanoparticle-assisted laser desorption/ionization (SPALDI) mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2009, 283, 200-205.	1.5	35
105	Low-energy collisional activation of polyatomic ions with different target gases. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989, 90, 71-83.	1.8	34
106	Collisions of C ₆₀ ⁺ and C ₆₀ ²⁺ at fluorinated and non-fluorinated self-assembled monolayer films. <i>Rapid Communications in Mass Spectrometry</i> , 1993, 7, 693-699.	1.5	34
107	Disulfide-Dependent Self-Assembly of Adiponectin Octadecamers from Trimers and Presence of Stable Octadecameric Adiponectin Lacking Disulfide Bonds <i>in Vitro</i> . <i>Biochemistry</i> , 2009, 48, 12345-12357.	2.5	34
108	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, 368-379.	2.8	34

#	ARTICLE	IF	CITATIONS
109	Surface induced dissociation as a tool to study membrane protein complexes. <i>Chemical Communications</i> , 2017, 53, 3106-3109.	4.1	34
110	Linkage position determination of lithium-cationized disaccharides by surface-induced dissociation tandem mass spectrometry. <i>Organic Mass Spectrometry</i> , 1994, 29, 700-702.	1.3	33
111	Tandem Fourier Transform Mass Spectrometry Studies of Surface-Induced Dissociation of Benzene Monomer and Dimer Ions on a Self-Assembled Fluorinated Alkanethiolate Monolayer Surface. <i>Analytical Chemistry</i> , 1997, 69, 2496-2503.	6.5	33
112	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, 4296-4304.	2.5	33
113	Variable-Temperature Electrospray Ionization for Temperature-Dependent Folding/Refolding Reactions of Proteins and Ligand Binding. <i>Analytical Chemistry</i> , 2021, 93, 6924-6931.	6.5	33
114	Statistical Analysis of Electron Transfer Dissociation Pairwise Fragmentation Patterns. <i>Analytical Chemistry</i> , 2011, 83, 9540-9545.	6.5	32
115	Uncovering the Stoichiometry of <i>Pyrococcus furiosus</i> RNase ^o P, a Multi-Subunit Catalytic Ribonucleoprotein Complex, by Surface-Induced Dissociation and Ion Mobility Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11483-11487.	13.8	32
116	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.	6.5	32
117	Low-Energy Ion-Surface Collisions Characterize Alkyl- and Fluoroalkyl-Terminated Self-Assembled Monolayers on Gold. <i>Langmuir</i> , 2002, 18, 3895-3902.	3.5	31
118	Surface-induced Dissociation Mass Spectrometry as a Structural Biology Tool. <i>Chemical Reviews</i> , 2022, 122, 7442-7487.	47.7	31
119	Implementation of low-energy surface-induced dissociation (eV SID) and high-energy collision-induced dissociation (keV CID) in a linear sector-TOF hybrid tandem mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2001, 212, 535-551.	1.5	29
120	Examination of Sputtered Ion Mechanisms Leading to the Formation of C ₇ H ₇ ⁺ during Surface Induced Dissociation (SID) Tandem Mass Spectrometry (MS/MS) of Benzene Molecular Cations. <i>Journal of the American Chemical Society</i> , 1996, 118, 8375-8380.	13.7	28
121	Proton migration and its effect on the MS fragmentation of N-acetyl OMe proline: MS/MS experiments and ab initio and density functional calculations. <i>International Journal of Mass Spectrometry</i> , 2005, 241, 315-323.	1.5	28
122	Separation and identification of structural isomers by quadrupole collision-induced dissociation-hydrogen/deuterium exchange-infrared multiphoton dissociation (QCID-HDX-IRMPD). <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1329-1338.	2.8	28
123	Simple and Minimally Invasive SID Devices for Native Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 11195-11203.	6.5	28
124	Surface-induced dissociation of singly and multiply protonated polypropylenamine dendrimers. <i>Journal of the American Society for Mass Spectrometry</i> , 1999, 10, 414-422.	2.8	27
125	Localization of Protein Complex Bound Ligands by Surface-Induced Dissociation High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 12796-12801.	6.5	27
126	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, 5647.	4.1	27

#	ARTICLE	IF	CITATIONS
127	Fragmentation pathway for glutamine identification: Loss of 73 da from dimethylformamide glutamine isobutyl ester. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1192-1203.	2.8	25
128	Determinants of Gas-Phase Disassembly Behavior in Homodimeric Protein Complexes with Related Yet Divergent Structures. <i>Analytical Chemistry</i> , 2011, 83, 3881-3889.	6.5	25
129	Influence of N-terminal Residue Composition on the Structure of Proline-Containing b ₂ ⁺ Ions. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1291-1298.	2.5	25
130	Light Regulation of Enzyme Allostery through Photo-responsive Unnatural Amino Acids. <i>Cell Chemical Biology</i> , 2019, 26, 1501-1514.e9.	5.2	25
131	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, .	7.1	25
132	Investigations of the Mechanism of the "Proline Effect" in Tandem Mass Spectrometry Experiments: The "Pipelicolic Acid Effect". <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1705-1715.	2.8	24
133	<i>Bacillus cereus</i> Spores Release Alanine that Synergizes with Inosine to Promote Germination. <i>PLoS ONE</i> , 2009, 4, e6398.	2.5	24
134	Surface-Induced Dissociation of Protein Complexes in a Hybrid Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. <i>Analytical Chemistry</i> , 2017, 89, 895-901.	6.5	22
135	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.	7.1	22
136	A novel double kink-turn module in euryarchaeal RNase P RNAs. <i>Nucleic Acids Research</i> , 2017, 45, 7432-7440.	14.5	22
137	Collisional activation of distonic radical cations and their conventional isomers in quadrupole tandem mass spectrometry. <i>Journal of the American Chemical Society</i> , 1990, 112, 5110-5116.	13.7	21
138	Ion-Surface Reactions Involving Isotopically Labeled Langmuir-Blodgett Films. <i>Journal of the American Chemical Society</i> , 1997, 119, 12010-12011.	13.7	21
139	Fragmentation of doubly-protonated peptide ion populations labeled by H/D exchange with CD ₃ OD. <i>International Journal of Mass Spectrometry</i> , 2006, 249-250, 93-105.	1.5	21
140	Protein identification via surface-induced dissociation in an FT-ICR mass spectrometer and a patchwork sequencing approach. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 700-709.	2.8	21
141	A metabolic intermediate of the fructose-asparagine utilization pathway inhibits growth of a <i>Salmonella fraB</i> mutant. <i>Scientific Reports</i> , 2016, 6, 28117.	3.3	21
142	Extended Gas-Phase Trapping Followed by Surface-Induced Dissociation of Noncovalent Protein Complexes. <i>Analytical Chemistry</i> , 2016, 88, 1218-1221.	6.5	21
143	Reactions between doubly charged [C ₆ H ₆] ²⁺ ions and self-assembled monolayer surface. <i>Organic Mass Spectrometry</i> , 1993, 28, 283-284.	1.3	20
144	Submicrosecond Surface-Induced Dissociation of Peptide Ions in a MALDI TOF MS. <i>Analytical Chemistry</i> , 2004, 76, 5080-5091.	6.5	20

#	ARTICLE	IF	CITATIONS
145	Structural Analysis of Activated SgrAlâ€DNA Oligomers Using Ion Mobility Mass Spectrometry. <i>Biochemistry</i> , 2013, 52, 4373-4381.	2.5	20
146	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.	3.4	20
147	Dissociative and Reactive Hyperthermal IonâˆSurface Collisions with LangmuirâˆBlodgett Films Terminated by CF ₃ (CH ₂) _n , n-Perfluoroalkyl, orn-Alkyl Groups. <i>Journal of the American Chemical Society</i> , 1999, 121, 10554-10562.	13.7	19
148	Stable, Ligand-Doped, Poly(bis-SorbPC) Lipid Bilayer Arrays for Protein Binding and Detection. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1310-1315.	8.0	19
149	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.	2.8	19
150	Development of a host blood meal database: <i>de novo</i> sequencing of hemoglobin from nine small mammals using mass spectrometry. <i>Biological Chemistry</i> , 2012, 393, 195-201.	2.5	18
151	Illustration of SID-IM-SID (surface-induced dissociation-ion mobility-SID) mass spectrometry: homo and hetero model protein complexes. <i>Analyst</i> , The, 2015, 140, 7012-7019.	3.5	18
152	Characterization of [2Feâ€2S]â€Clusterâ€Bridged Protein Complexes and Reaction Intermediates by use of Native Mass Spectrometric Methods. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6724-6728.	13.8	18
153	Investigation of the trans effect in the fragmentation of dinuclear platinum complexes by electrospray ionization surface-induced dissociation tandem mass spectrometry. , 1998, 33, 436-443.		17
154	Combination of Sustained Off-Resonance Irradiation and On-Resonance Excitation in FT-ICR. <i>Analytical Chemistry</i> , 2005, 77, 7626-7638.	6.5	17
155	Proteogenomic Analysis of Surgically Resected Lung Adenocarcinoma. <i>Journal of Thoracic Oncology</i> , 2018, 13, 1519-1529.	1.1	17
156	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, .	7.1	17
157	Surface-induced dissociation of diphenyl ether. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1998, 174, 81-94.	1.8	16
158	Peptide Fragmentation Overview. , 2006, , 277-300.		16
159	Peptide sequencing using a patchwork approach and surface-induced dissociation in sector-TOF and dual quadrupole mass spectrometers. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 1387-1401.	2.8	15
160	Influence of cluster size and ion activation method on the dissociation of cesium iodide clusters. <i>International Journal of Mass Spectrometry</i> , 2009, 287, 105-113.	1.5	15
161	Understanding and Exploiting Peptide Fragment Ion Intensities Using Experimental and Informatic Approaches. <i>Methods in Molecular Biology</i> , 2010, 604, 73-94.	0.9	15
162	Laser desorption ionization of small molecules assisted by tungsten oxide and rhenium oxide particles. <i>Journal of Mass Spectrometry</i> , 2015, 50, 891-898.	1.6	15

#	ARTICLE	IF	CITATIONS
163	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.	2.4	15
164	Infrared Multiple-Photon Dissociation Action Spectroscopy of the b_{2+} Ion from PPC: Evidence of Third Residue Affecting b_{2+} Fragment Structure. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1482-1488.	2.8	15
165	Identification of Bacterial Species That Can Utilize Fructose-Asparagine. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	15
166	Measurement of Fructose-Asparagine Concentrations in Human and Animal Foods. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 212-217.	5.2	15
167	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, 5344-5355.	14.5	14
168	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.	6.5	14
169	Probing the structure of nanodiscs using surface-induced dissociation mass spectrometry. <i>Chemical Communications</i> , 2020, 56, 15651-15654.	4.1	14
170	De novo design of tyrosine and serine kinase-driven protein switches. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 762-770.	8.2	14
171	Reactive Ion Scattering Spectrometry of Mixed Methyl- and Hydroxy-Terminated Alkanethiolate Self-Assembled Monolayers. <i>Langmuir</i> , 2003, 19, 7302-7306.	3.5	13
172	Differentiation and quantification of C1 and C2 ¹³ C-labeled glucose by tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2010, 404, 40-44.	2.4	13
173	Survival of Host Blood Proteins in <i>Ixodes scapularis</i> (Acari: Ixodidae) Ticks: A Time Course Study. <i>Journal of Medical Entomology</i> , 2013, 50, 1282-1290.	1.8	13
174	Gene regulation by stoichiometric 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, 3442-3447.	7.1	13
175	Surface induced dissociation yields substructure of <i>Methanosarcina thermophila</i> 20S proteasome complexes. <i>International Journal of Mass Spectrometry</i> , 2015, 377, 201-204.	1.5	13
176	Stoichiometry of triple-sieve tRNA editing complex ensures fidelity of aminoacyl-tRNA formation. <i>Nucleic Acids Research</i> , 2019, 47, 929-940.	14.5	13
177	Prediction of Protein Complex Structure Using Surface-Induced Dissociation and Cryo-Electron Microscopy. <i>Analytical Chemistry</i> , 2021, 93, 7596-7605.	6.5	13
178	Tunable Heteroassembly of a Plant Pseudoenzyme-Enzyme Complex. <i>ACS Chemical Biology</i> , 2021, 16, 2315-2325.	3.4	13
179	Neutralization of methyl cation via chemical reactions in low-energy ion-surface collisions with fluorocarbon and hydrocarbon self-assembled monolayer films. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 1151-1161.	2.8	12
180	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, 1-10.	3.0	12

#	ARTICLE	IF	CITATIONS
181	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.	1.4	12
182	Salmonella-Mediated Inflammation Eliminates Competitors for Fructose-Asparagine in the Gut. <i>Infection and Immunity</i> , 2018, 86, .	2.2	12
183	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.	2.8	12
184	Ion Mobility and Surface Collisions: Submicrometer Capillaries Can Produce Native-like Protein Complexes. <i>Analytical Chemistry</i> , 2020, 92, 2460-2467.	6.5	12
185	Surface-Induced Dissociation of Protein Complexes Selected by Trapped Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 5513-5520.	6.5	12
186	Cellular mRNA triggers structural transformation of Ebola virus matrix protein VP40 to its essential regulatory form. <i>Cell Reports</i> , 2021, 35, 108986.	6.4	12
187	Probing the Run-On Oligomer of Activated SgrAI Bound to DNA. <i>PLoS ONE</i> , 2015, 10, e0124783.	2.5	12
188	Surface-induced dissociation of protein complexes on a cyclic ion mobility spectrometer. <i>Analyst</i> , The, 2021, 146, 6861-6873.	3.5	12
189	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, 94, 1515-1519.	6.5	12
190	Use of Condensation Figures To Image Low-Energy Ion Beam Damage of Monolayer Films. <i>Analytical Chemistry</i> , 1994, 66, 3733-3736.	6.5	11
191	Affinity Capture Mass Spectrometry of Biomarker Proteins Using Peptide Ligands from Biopanning. <i>Analytical Chemistry</i> , 2009, 81, 5999-6005.	6.5	11
192	Analysis of deprotonated acids with silicon nanoparticle-assisted laser desorption/ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010, 45, 1394-1401.	1.6	11
193	Study of the fragmentation of arginine isobutyl ester applied to arginine quantification in <i>Aedes aegypti</i> mosquito excreta. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1364-1371.	1.6	11
194	Gas-Phase Helical Peptides Mimic Solution-Phase Behavior. <i>Journal of the American Chemical Society</i> , 2014, 136, 14173-14183.	13.7	11
195	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, 12795-12799.	13.8	11
196	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.	14.5	11
197	Analysis of Tagged Proteins Using Tandem Affinity-Buffer Exchange Chromatography Online with Native Mass Spectrometry. <i>Biochemistry</i> , 2021, 60, 1876-1884.	2.5	11
198	SQID-XLink: implementation of an intensity-incorporated algorithm for cross-linked peptide identification. <i>Bioinformatics</i> , 2012, 28, 2548-2550.	4.1	10

#	ARTICLE	IF	CITATIONS
199	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, 622-631.	2.8	10
200	Properties of the Dark and Signaling States of Photoactive Yellow Protein Probed by Solution Phase Hydrogen/Deuterium Exchange and Mass Spectrometry. <i>Biochemistry</i> , 2006, 45, 11744-11751.	2.5	9
201	Local stability of <i>Rhodobacter capsulatus</i> cytochrome c 2 probed by solution phase hydrogen/deuterium exchange and mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1518-1525.	2.8	9
202	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.	1.5	9
203	Identifying Unknown Enzyme-Substrate Pairs from the Cellular Milieu with Native Mass Spectrometry. <i>ChemBioChem</i> , 2017, 18, 613-617.	2.6	9
204	Integrated Use of Biochemical, Native Mass Spectrometry, Computational, and Genome-Editing Methods to Elucidate the Mechanism of a deglycase. <i>Journal of Molecular Biology</i> , 2019, 431, 4497-4513.	4.2	9
205	Oligomeric complexes formed by Red ¹ 2 single strand annealing protein in its different DNA bound states. <i>Nucleic Acids Research</i> , 2021, 49, 3441-3460.	14.5	9
206	Implementing Digital-Waveform Technology for Extended <i>m/z</i> 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.	2.8	9
207	The Application of Proteomic Techniques to Fungal Protein Identification and Quantification. <i>Annals of the New York Academy of Sciences</i> , 2007, 1111, 133-146.	3.8	8
208	High-resolution identification of human adiponectin oligomers and regulation by pioglitazone in type 2 diabetic patients. <i>Analytical Biochemistry</i> , 2013, 437, 150-160.	2.4	8
209	Light-Regulation of Tryptophan Synthase by Combining Protein Design and Enzymology. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5106.	4.1	8
210	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.	2.5	8
211	Surface-Induced Dissociation of Anionic vs Cationic Native-Like Protein Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 7698-7706.	13.7	8
212	A polymetamorphic protein. <i>Protein Science</i> , 2013, 22, 641-649.	7.6	7
213	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.	3.4	7
214	Neutralization of Polyatomic Ions at Self-Assembled Monolayer Surfaces before and after Electrodeposition of Poly(phenylene oxide). <i>Langmuir</i> , 1997, 13, 6722-6725.	3.5	6
215	Kinetics of Surface-Induced Dissociation of N(CH ₃) ₄ ⁺ and N(CD ₃) ₄ ⁺ Using Silicon Nanoparticle Assisted Laser Desorption/Ionization and Laser Desorption/Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 957-964.	2.8	6
216	A Protein-derived Oxygen Is the Source of the Amide Oxygen of Nitrile Hydratases. <i>Journal of Biological Chemistry</i> , 2016, 291, 7822-7829.	3.4	6

#	ARTICLE	IF	CITATIONS
217	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, 2202-2209.	2.8	6
218	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.	14.5	6
219	Rounding Out the Understanding of ACD Toxicity with the Discovery of Cyclic Forms of Actin Oligomers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 718.	4.1	6
220	Mechanisms of Cre recombinase synaptic complex assembly and activation illuminated by Cryo-EM. <i>Nucleic Acids Research</i> , 2022, 50, 1753-1769.	14.5	6
221	The influence glutamic acid in protonated b ₃ ⁺ b ₂ formation from VGEIG and related analogs. <i>International Journal of Mass Spectrometry</i> , 2012, 325-327, 139-149.	1.5	5
222	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, 1875-1884.	2.8	5
223	A Tilted Surface and Ion Carpet Array for SID. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 458-462.	2.8	5
224	Tandem surface-induced dissociation of protein complexes on an ultrahigh resolution platform. <i>International Journal of Mass Spectrometry</i> , 2021, 461, 116503.	1.5	5
225	Cytoplasmic mRNA recapping has limited impact on proteome complexity. <i>Open Biology</i> , 2020, 10, 200313.	3.6	5
226	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.	1.0	5
227	Elucidation of structure-function relationships in <i>Methanocaldococcus jannaschii</i> RNase P, a multi-subunit catalytic ribonucleoprotein. <i>Nucleic Acids Research</i> , 2022, 50, 8154-8167.	14.5	5
228	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.	1.5	4
229	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.	1.5	4
230	Mutant Poisoning Demonstrates a Nonsequential Mechanism for Digestion of Double-Stranded DNA by λ Exonuclease Trimers. <i>Biochemistry</i> , 2015, 54, 942-951.	2.5	4
231	Generation of a Stand-Alone Tryptophan Synthase $\hat{\iota}$ -Subunit by Mimicking an Evolutionary Blueprint. <i>ChemBioChem</i> , 2019, 20, 2747-2751.	2.6	4
232	Quaternary Structure of the Tryptophan Synthase $\hat{\iota}$ -Subunit Homolog BX1 from <i>Zea mays</i> . <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 227-233.	2.8	4
233	STK11/LKB1 Loss of Function Is Associated with Global DNA Hypomethylation and <i>S</i> -Adenosyl-Methionine Depletion in Human Lung Adenocarcinoma. <i>Cancer Research</i> , 2021, 81, 4194-4204.	0.9	4
234	Optimization of proteomics sample preparation for forensic analysis of skin samples. <i>Journal of Proteomics</i> , 2021, 249, 104360.	2.4	4

#	ARTICLE	IF	CITATIONS
235	A Disulfide-Stabilized A β 2 that Forms Dimers but Does Not Form Fibrils. <i>Biochemistry</i> , 2022, 61, 252-264.	2.5	4
236	Characterization of a Salmonella Transcription Factor-DNA Complex and Identification of the Inducer by Native Mass Spectrometry. <i>Journal of Molecular Biology</i> , 2022, 434, 167480.	4.2	4
237	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, 2777-2789.	3.7	3
238	Solution structure of the nucleotide hydrolase BlsM: Implication of its substrate specificity. <i>Protein Science</i> , 2020, 29, 1760-1773.	7.6	3
239	Chapter 11. Surface-induced Dissociation in Biomolecular Mass Spectrometry. <i>New Developments in Mass Spectrometry</i> , 2020, , 281-336.	0.2	3
240	Optimization of proteomics sample preparation for identification of host and bacterial proteins in mouse feces. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2317.	3.7	3
241	Surface-Induced Dissociation for Protein Complex Characterization. <i>Methods in Molecular Biology</i> , 2022, , 211-237.	0.9	3
242	Spectroscopic Evidence for Lactam Formation in Terminal Ornithine b ₂ ⁺ and b ₃ ⁺ Fragment Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1565-1577.	2.8	2
243	OUP accepted manuscript. <i>Journal of Insect Science</i> , 2022, 22, .	1.5	2
244	Simulation of Energy-Resolved Mass Spectrometry Distributions from Surface-Induced Dissociation. <i>Analytical Chemistry</i> , 2022, 94, 10506-10514.	6.5	2
245	Use of Condensation Figures To Image Low-Energy Ion Beam Damage of Monolayer Films. [Erratum to document cited in CA121:239123]. <i>Analytical Chemistry</i> , 1994, 66, 4564-4564.	6.5	1
246	Bound in flight. <i>Nature Chemistry</i> , 2015, 7, 189-190.	13.6	1
247	Mobile and localized protons: a framework for understanding peptide dissociation. , 0, .		1
248	Mass Spectrometry in Structural Biology: Surface-Induced Dissociation/Ion Mobility of Protein Complexes. <i>FASEB Journal</i> , 2015, 29, 360.3.	0.5	1
249	Purification, reconstitution, and mass analysis of archaeal RNase P, a multisubunit ribonucleoprotein enzyme. <i>Methods in Enzymology</i> , 2021, 659, 71-103.	1.0	1
250	ETD fragmentation features improve algorithm. <i>Expert Review of Proteomics</i> , 2012, 9, 241-243.	3.0	0
251	Characterization of [2Fe-2S] Cluster-Bridged Protein Complexes and Reaction Intermediates by use of Native Mass Spectrometric Methods. <i>Angewandte Chemie</i> , 2020, 132, 6790-6794.	2.0	0
252	Characterization of Transcription Factor-DNA Complexes Using Online Buffer Exchange Coupled to Native Mass Spectrometry. <i>FASEB Journal</i> , 2021, 35, .	0.5	0

#	ARTICLE	IF	CITATIONS
253	NF90 and NF45 Regulate Interleukin-13 (IL13) Gene Transcription in Human T Cells. FASEB Journal, 2008, 22, 850.13.	0.5	0
254	Activation by Oligomerization of an Allosteric Sequence Specific Endonuclease. FASEB Journal, 2012, 26, 1b91.	0.5	0
255	Characterization of a novel Aedes aegypti ferritin subunit identified utilizing proteomic techniques. FASEB Journal, 2012, 26, 985.4.	0.5	0
256	Shotgun Proteomic Analysis of Protein Expression in Mosquito Ovaries Post Blood Meal. FASEB Journal, 2015, 29, 567.13.	0.5	0