

# John S Klassen

## List of Publications by Year in descending order

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140  
papers

5,556  
citations

71102

41  
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106344

65  
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146  
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146  
docs citations

146  
times ranked

4529  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sialic acid-containing glycolipids mediate binding and viral entry of SARS-CoV-2. <i>Nature Chemical Biology</i> , 2022, 18, 81-90.	8.0	141
2	Fucosylated Human Milk Oligosaccharide Foraging within the Species <i>Bifidobacterium pseudocatenulatum</i> Is Driven by Glycosyl Hydrolase Content and Specificity. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0170721.	3.1	18
3	Mass Spectrometry-Based Shotgun Glycomics Using Labeled Glycan Libraries. <i>Analytical Chemistry</i> , 2022, 94, 4997-5005.	6.5	4
4	CRISPR-Click Enables Dual-Gene Editing with Modular Synthetic sgRNAs. <i>Bioconjugate Chemistry</i> , 2022, 33, 858-868.	3.6	2
5	Structural and binding characterization of the LacdiNAc-specific adhesin (LabA; HopD) exodomain from <i>Helicobacter pylori</i> . <i>Current Research in Structural Biology</i> , 2021, 3, 19-29.	2.2	4
6	Submicron Emitters Enable Reliable Quantification of Weak Protein-Glycan Interactions by ESI-MS. <i>Analytical Chemistry</i> , 2021, 93, 4231-4239.	6.5	25
7	Carbohydrate Sulfation As a Mechanism for Fine-Tuning Siglec Ligands. <i>ACS Chemical Biology</i> , 2021, 16, 2673-2689.	3.4	31
8	Quantifying Carbohydrate-Active Enzyme Activity with Glycoprotein Substrates Using Electrospray Ionization Mass Spectrometry and Center-of-Mass Monitoring. <i>Analytical Chemistry</i> , 2021, 93, 15262-15270.	6.5	1
9	Influence of labeling on the glycan affinities and specificities of glycan-binding proteins. A case study involving a C-terminal fragment of human galectin-3. <i>Glycobiology</i> , 2020, 30, 49-57.	2.5	4
10	An Inactive Dispersin B Probe for Monitoring PNAG Production in Biofilm Formation. <i>ACS Chemical Biology</i> , 2020, 15, 1204-1211.	3.4	13
11	A versatile soluble siglec scaffold for sensitive and quantitative detection of glycan ligands. <i>Nature Communications</i> , 2020, 11, 5091.	12.8	45
12	Neoglycolipids as Glycosphingolipid Surrogates for Protein Binding Studies Using Nanodiscs and Native Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 14189-14196.	6.5	3
13	Mass Spectrometry-Based Shotgun Glycomics for Discovery of Natural Ligands of Glycan-Binding Proteins. <i>Analytical Chemistry</i> , 2020, 92, 14012-14020.	6.5	20
14	Structural and biochemical characterization of the exopolysaccharide deacetylase Agd3 required for <i>Aspergillus fumigatus</i> biofilm formation. <i>Nature Communications</i> , 2020, 11, 2450.	12.8	38
15	Probing Heteromultivalent Protein-Glycosphingolipid Interactions using Native Mass Spectrometry and Nanodiscs. <i>Analytical Chemistry</i> , 2020, 92, 3923-3931.	6.5	8
16	CUPRA-ZYME: An Assay for Measuring Carbohydrate-Active Enzyme Activities, Pathways, and Substrate Specificities. <i>Analytical Chemistry</i> , 2020, 92, 3228-3236.	6.5	6
17	A quantitative, high-throughput method identifies protein-glycan interactions via mass spectrometry. <i>Communications Biology</i> , 2019, 2, 268.	4.4	24
18	Sliding Window Adduct Removal Method (SWARM) for Enhanced Electrospray Ionization Mass Spectrometry Binding Data. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1446-1454.	2.8	14

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19	Crystal structures of human lysosomal EPDR1 reveal homology with the superfamily of bacterial lipoprotein transporters. <i>Communications Biology</i> , 2019, 2, 52.	4.4	18
20	The small RbcS-like domains of the Î <sup>2</sup> -carboxysome structural protein CcmM bind RubisCO at a site distinct from that binding the RbcS subunit. <i>Journal of Biological Chemistry</i> , 2019, 294, 2593-5195.	3.4	44
21	Multipronged ESI-MS Approach for Studying Glycan-Binding Protein Interactions with Glycoproteins. <i>Analytical Chemistry</i> , 2019, 91, 2140-2147.	6.5	10
22	Synthetic polyprenol-pyrophosphate linked oligosaccharides are efficient substrates for mycobacterial galactan biosynthetic enzymes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1939-1957.	2.8	7
23	Human Neuraminidase Isoenzymes Show Variable Activities for 9-O-Acetyl-sialoside Substrates. <i>ACS Chemical Biology</i> , 2018, 13, 922-932.	3.4	27
24	Genetically-encoded fragment-based discovery (GE-FBD) of glycopeptide ligands with differential selectivity for antibodies related to mycobacterial infections. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 223-227.	2.8	14
25	Quantifying the binding stoichiometry and affinity of histo-blood group antigen oligosaccharides for human noroviruses. <i>Glycobiology</i> , 2018, 28, 488-498.	2.5	14
26	Screening natural libraries of human milk oligosaccharides against lectins using CaR-ESI-MS. <i>Analyst</i> , 2018, 143, 536-548.	3.5	17
27	Bioengineered Norovirus S <sub>60</sub> Nanoparticles as a Multifunctional Vaccine Platform. <i>ACS Nano</i> , 2018, 12, 10665-10682.	14.6	28
28	Detecting Protein-Glycolipid Interactions Using CaR-ESI-MS and Model Membranes: Comparison of Pre-loaded and Passively Loaded Picodiscs. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1493-1504.	2.8	8
29	The Peptidisc, a simple method for stabilizing membrane proteins in detergent-free solution. <i>ELife</i> , 2018, 7, .	6.0	119
30	Stabilizing protein-ligand complexes in ESI-MS using solution additives: Comparing the effects of amino acids and imidazole. <i>International Journal of Mass Spectrometry</i> , 2017, 420, 2-8.	1.5	5
31	Human Milk Oligosaccharide Specificities of Human Galectins. Comparison of Electrospray Ionization Mass Spectrometry and Glycan Microarray Screening Results. <i>Analytical Chemistry</i> , 2017, 89, 4914-4921.	6.5	33
32	Optogenetic control with a photocleavable protein, PhoCl. <i>Nature Methods</i> , 2017, 14, 391-394.	19.0	117
33	High-Throughput Label- and Immobilization-Free Screening of Human Milk Oligosaccharides Against Lectins. <i>Analytical Chemistry</i> , 2017, 89, 8713-8722.	6.5	24
34	Investigating the Influence of Membrane Composition on Protein-Glycolipid Binding Using Nanodiscs and Proxy Ligand Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 9330-9338.	6.5	14
35	Delivering Transmembrane Peptide Complexes to the Gas Phase Using Nanodiscs and Electrospray Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2054-2065.	2.8	7
36	Screening Oligosaccharide Libraries against Lectins Using the Proxy Protein Electrospray Ionization Mass Spectrometry Assay. <i>Analytical Chemistry</i> , 2016, 88, 8224-8231.	6.5	7

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37	Structure and Stability of Carbohydrate-Lipid Interactions. Methylmannose Polysaccharide-Fatty Acid Complexes. <i>ChemBioChem</i> , 2016, 17, 1571-1578.	2.6	5
38	Screening Anti-Cancer Drugs against Tubulin using Catch-and-Release Electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 876-885.	2.8	4
39	Screening Glycolipids Against Proteins in Vitro Using Picodiscs and Catch-and-Release Electrospray Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 4742-4750.	6.5	20
40	Detecting Protein-Glycolipid Interactions Using Glycomicelles and CaR-ESI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1878-1886.	2.8	11
41	Characterizing the Size and Composition of Saposin A Lipoprotein Picodiscs. <i>Analytical Chemistry</i> , 2016, 88, 9524-9531.	6.5	20
42	Influence of Sulfolane on ESI-MS Measurements of Protein-Ligand Affinities. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 498-506.	2.8	21
43	Silent Encoding of Chemical Post-Translational Modifications in Phage-Displayed Libraries. <i>Journal of the American Chemical Society</i> , 2016, 138, 32-35.	13.7	46
44	Localizing Carbohydrate Binding Sites in Proteins Using Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 83-90.	2.8	5
45	Tulane virus recognizes sialic acids as cellular receptors. <i>Scientific Reports</i> , 2015, 5, 11784.	3.3	33
46	Recognition of human milk oligosaccharides by bacterial exotoxins. <i>Glycobiology</i> , 2015, 25, 845-854.	2.5	37
47	Magnetic field assisted programming of particle shapes and patterns. <i>Soft Matter</i> , 2015, 11, 7151-7158.	2.7	5
48	Affinities of human histo-blood group antigens for norovirus capsid protein complexes. <i>Glycobiology</i> , 2015, 25, 170-180.	2.5	23
49	Quantifying Protein-Carbohydrate Interactions Using Liquid Sample Desorption Electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 98-106.	2.8	20
50	Genetically Encoded Fragment-Based Discovery of Glycopeptide Ligands for Carbohydrate-Binding Proteins. <i>Journal of the American Chemical Society</i> , 2015, 137, 5248-5251.	13.7	67
51	Protein-Glycolipid Interactions Studied in Vitro Using ESI-MS and Nanodiscs: Insights into the Mechanisms and Energetics of Binding. <i>Analytical Chemistry</i> , 2015, 87, 4888-4896.	6.5	30
52	Picodiscs for Facile Protein-Glycolipid Interaction Analysis. <i>Analytical Chemistry</i> , 2015, 87, 4402-4408.	6.5	27
53	Evaluation of a focused virtual library of heterobifunctional ligands for <i>Clostridium difficile</i> toxins. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 283-298.	2.8	4
54	Mycobacteriophage cell binding proteins for the capture of mycobacteria. <i>Bacteriophage</i> , 2014, 4, e960346.	1.9	10

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55	<i>P. aeruginosa</i> SGNH Hydrolase-Like Proteins AlgJ and AlgX Have Similar Topology but Separate and Distinct Roles in Alginate Acetylation. <i>PLoS Pathogens</i> , 2014, 10, e1004334.	4.7	54
56	Measuring Positive Cooperativity Using the Direct ESI-MS Assay. Cholera Toxin B Subunit Homopentamer Binding to GM1 Pentasaccharide. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 104-110.	2.8	47
57	Identifying Carbohydrate Ligands of a Norovirus P Particle using a Catch and Release Electrospray Ionization Mass Spectrometry Assay. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 111-119.	2.8	22
58	Structural Basis for Antibody Recognition in the Receptor-binding Domains of Toxins A and B from <i>Clostridium difficile</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 2331-2343.	3.4	43
59	Discovery of Light-Responsive Ligands through Screening of a Light-Responsive Genetically Encoded Library. <i>ACS Chemical Biology</i> , 2014, 9, 443-450.	3.4	63
60	Screening Carbohydrate Libraries for Protein Interactions Using the Direct ESI-MS Assay. Applications to Libraries of Unknown Concentration. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1908-1916.	2.8	23
61	Catalytic Mechanism and Mode of Action of the Periplasmic Alginate Epimerase AlgG. <i>Journal of Biological Chemistry</i> , 2014, 289, 6006-6019.	3.4	39
62	Nanodiscs and Electrospray Ionization Mass Spectrometry: A Tool for Screening Glycolipids Against Proteins. <i>Analytical Chemistry</i> , 2014, 86, 5271-5277.	6.5	37
63	Energetics of Intermolecular Hydrogen Bonds in a Hydrophobic Protein Cavity. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 742-750.	2.8	3
64	Fluorine Bonding Enhances the Energetics of Protein-Lipid Binding in the Gas Phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 751-757.	2.8	1
65	Gangliosides are Ligands for Human Noroviruses. <i>Journal of the American Chemical Society</i> , 2014, 136, 12631-12637.	13.7	56
66	Mapping Protein-Ligand Interactions in the Gas Phase Using a Functional Group Replacement Strategy. Comparison of CID and BIRD Activation Methods. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 988-996.	2.8	8
67	Quantifying Protein-Ligand Interactions by Direct Electrospray Ionization-MS Analysis: Evidence of Nonuniform Response Factors Induced by High Molecular Weight Molecules and Complexes. <i>Analytical Chemistry</i> , 2013, 85, 8919-8922.	6.5	19
68	Chirality recognition of the protonated serine dimer and octamer by infrared multiphoton dissociation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1873-1886.	2.8	30
69	Dissociation Kinetics of the Streptavidin-Biotin Interaction Measured Using Direct Electrospray Ionization Mass Spectrometry Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 49-56.	2.8	40
70	Quantifying Protein Interactions with Isomeric Carbohydrate Ligands Using a Catch and Release Electrospray Ionization-Mass Spectrometry Assay. <i>Analytical Chemistry</i> , 2013, 85, 7637-7644.	6.5	21
71	Dissociation of Multisubunit Protein-Ligand Complexes in the Gas Phase. Evidence for Ligand Migration. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1573-1583.	2.8	15
72	Affinities of recombinant norovirus P dimers for human blood group antigens. <i>Glycobiology</i> , 2013, 23, 276-285.	2.5	34

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73	Quantifying Ligand Binding to Large Protein Complexes Using Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 3867-3870.	6.5	40
74	Electrospray Ionization-Induced Protein Unfolding. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 2122-2131.	2.8	16
75	Applications of a Catch and Release Electrospray Ionization Mass Spectrometry Assay for Carbohydrate Library Screening. <i>Analytical Chemistry</i> , 2012, 84, 50-58.	6.5	48
76	Quantifying Carbohydrate-Protein Interactions by Electrospray Ionization Mass Spectrometry Analysis. <i>Biochemistry</i> , 2012, 51, 4244-4253.	2.5	31
77	Energetics of Lipid Binding in a Hydrophobic Protein Cavity. <i>Journal of the American Chemical Society</i> , 2012, 134, 3054-3060.	13.7	27
78	Kinetic Stability of the Streptavidin-Biotin Interaction Enhanced in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2012, 134, 16586-16596.	13.7	22
79	Deuterium Kinetic Isotope Effects on the Dissociation of a Protein-Fatty Acid Complex in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2012, 134, 5931-5937.	13.7	7
80	Carbohydrate-Lipid Interactions: Affinities of Methylmannose Polysaccharides for Lipids in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2012, 18, 12059-12067.	3.3	14
81	Protein-Glycosphingolipid Interactions Revealed Using Catch-and-Release Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 7618-7621.	6.5	47
82	Reliable Determinations of Protein-Ligand Interactions by Direct ESI-MS Measurements. Are We There Yet?. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 431-441.	2.8	204
83	Substrate Recognition of the Membrane-Associated Sialidase NEU3 Requires a Hydrophobic Aglycone. <i>Biochemistry</i> , 2011, 50, 6753-6762.	2.5	43
84	Identifying Specific Small-Molecule Interactions Using Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 5160-5167.	6.5	16
85	Binding of <i>Clostridium difficile</i> toxins to human milk oligosaccharides. <i>Glycobiology</i> , 2011, 21, 1217-1227.	2.5	40
86	Blackbody Infrared Radiative Dissociation of Protonated Oligosaccharides. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 2171-2178.	2.8	12
87	Quantifying Protein-Fatty Acid Interactions Using Electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 310-318.	2.8	56
88	Trapping and characterization of covalent intermediates of mutant retaining glycosyltransferases. <i>Glycobiology</i> , 2011, 21, 547-552.	2.5	70
89	Exploiting Bacterial Glycosylation Machineries for the Synthesis of a Lewis Antigen-containing Glycoprotein. <i>Journal of Biological Chemistry</i> , 2011, 286, 37887-37894.	3.4	37
90	Nonspecific interactions between proteins and charged biomolecules in electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 472-481.	2.8	42

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91	Quantifying labile proteinâ€”Ligand interactions using electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1893-1899.	2.8	42
92	Evidence that Water Can Reduce the Kinetic Stability of Proteinâ”Hydrophobic Ligand Interactions. <i>Journal of the American Chemical Society</i> , 2010, 132, 17658-17660.	13.7	26
93	Direct Quantification of Proteinâ”Metal Ion Affinities by Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 2170-2174.	6.5	38
94	Comparative study of substrate and product binding to the human ABO(H) blood group glycosyltransferases. <i>Glycobiology</i> , 2009, 19, 1224-1234.	2.5	34
95	From alpha to beta: identification of amino acids required for the <i>N</i>-acetyllactosamineâ€specific lectinâ€like activity of bundlin. <i>Molecular Microbiology</i> , 2009, 72, 859-868.	2.5	11
96	Identifying nonspecific ligand binding in electrospray ionization mass spectrometry using the reporter molecule method. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1242-1250.	2.8	24
97	Hydrophobic Proteinâ”Ligand Interactions Preserved in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2009, 131, 15980-15981.	13.7	96
98	Gas Phase Stabilization of Noncovalent Protein Complexes Formed by Electrospray Ionization. <i>Analytical Chemistry</i> , 2009, 81, 7801-7806.	6.5	63
99	An Entropically Efficient Supramolecular Inhibition Strategy for Shiga Toxins. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 672-676.	13.8	26
100	Elucidating the Intermolecular Interactions within a Desolvated Proteinâ”Ligand Complex. An Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , 2008, 130, 1214-1226.	13.7	32
101	Temperature-dependent cooperativity in donor-acceptor substrate binding to the human blood group glycosyltransferases. <i>Glycobiology</i> , 2008, 18, 587-592.	2.5	39
102	Functional properties of the carboxy-terminal host cell-binding domains of the two toxins, TcdA and TcdB, expressed by <i>Clostridium difficile</i> . <i>Glycobiology</i> , 2008, 18, 698-706.	2.5	60
103	Affinities of Shiga toxins 1 and 2 for univalent and oligovalent Pk-trisaccharide analogs measured by electrospray ionization mass spectrometry. <i>Glycobiology</i> , 2007, 17, 1127-1137.	2.5	42
104	Functional Characterization of Bacterial Oligosaccharyltransferases Involved in O-Linked Protein Glycosylation. <i>Journal of Bacteriology</i> , 2007, 189, 8088-8098.	2.2	136
105	Equivalency of Binding Sites in Proteinâ”Ligand Complexes Revealed by Time-Resolved Tandem Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2007, 129, 8674-8675.	13.7	14
106	Method for Identifying Nonspecific Proteinâ”Protein Interactions in Nanoelectrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 8301-8311.	6.5	47
107	Method for Stabilizing Proteinâ”Ligand Complexes in Nanoelectrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 416-425.	6.5	80
108	Ligand Specificity of CS-35, a Monoclonal Antibody That Recognizes Mycobacterial Lipoarabinomannan:â€‰ A Model System for Oligofuranosideâ”Protein Recognition. <i>Journal of the American Chemical Society</i> , 2007, 129, 10489-10502.	13.7	77

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109	Influence of coulombic repulsion on the dissociation pathways and energetics of multiprotein complexes in the gas phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 617-631.	2.8	46
110	Effects of single amino acid substitution on the dissociation of multiply charged multiprotein complexes in the gas phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 688-692.	2.8	6
111	The bundlin pilin protein of enteropathogenic <i>Escherichia coli</i> is an N-acetylglucosamine-specific lectin. <i>Cellular Microbiology</i> , 2007, 10, 070816152918004-???	2.1	51
112	Method for Distinguishing Specific from Nonspecific Protein-Ligand Complexes in Nanoelectrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 3010-3018.	6.5	156
113	Thermal decomposition of multiply charged T-rich oligonucleotide anions in the gas phase. Influence of internal solvation on the arrhenius parameters for neutral base loss. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1229-1238.	2.8	9
114	Blackbody infrared radiative dissociation of nonspecific protein-carbohydrate complexes produced by nanoelectrospray ionization: The nature of the noncovalent interactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1583-1594.	2.8	34
115	Stability of the homopentameric b subunits of shiga toxins 1 and 2 in solution and the gas phase as revealed by nanoelectrospray fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1957-1968.	2.8	29
116	Nonspecific Protein-Carbohydrate Complexes Produced by Nanoelectrospray Ionization. Factors Influencing Their Formation and Stability. <i>Analytical Chemistry</i> , 2005, 77, 3060-3071.	6.5	66
117	Partitioning of Solvent Effects and Intrinsic Interactions in Biological Recognition. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4183-4186.	13.8	23
118	Arrhenius activation parameters for the loss of neutral nucleobases from deprotonated oligonucleotide anions in the gas phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 55-64.	2.8	24
119	Determination of Protein-Ligand Association Thermochemistry Using Variable-Temperature Nanoelectrospray Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2004, 126, 4786-4787.	13.7	67
120	Influence of Solution and Gas Phase Processes on Protein-Carbohydrate Binding Affinities Determined by Nanoelectrospray Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 4945-4955.	6.5	154
121	Bioactive Recognition Sites May Not Be Energetically Preferred in Protein-Carbohydrate Complexes in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2003, 125, 13630-13631.	13.7	34
122	Determination of Protein-Oligosaccharide Binding by Nanoelectrospray Fourier-Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Methods in Enzymology</i> , 2003, 362, 376-397.	1.0	15
123	Retention of Bioactive Ligand Conformation in a Gaseous Protein-Trisaccharide Complex. <i>Journal of the American Chemical Society</i> , 2002, 124, 13980-13981.	13.7	25
124	Evidence for the Preservation of Specific Intermolecular Interactions in Gaseous Protein-Oligosaccharide Complexes. <i>Journal of the American Chemical Society</i> , 2002, 124, 9340-9341.	13.7	25
125	Thermal Dissociation of Protein-Oligosaccharide Complexes in the Gas Phase: Mapping the Intrinsic Intermolecular Interactions. <i>Journal of the American Chemical Society</i> , 2002, 124, 5902-5913.	13.7	61
126	Thermal dissociation of the protein homodimer ecotin in the gas phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 1432-1442.	2.8	37



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127	Thermal Decomposition of a Gaseous Multiprotein Complex Studied by Blackbody Infrared Radiative Dissociation. Investigating the Origin of the Asymmetric Dissociation Behavior. <i>Analytical Chemistry</i> , 2001, 73, 4647-4661.	6.5	172
128	The observation of multivalent complexes of Shiga-like toxin with globotriaoside and the determination of their stoichiometry by nanoelectrospray Fourier-transform ion cyclotron resonance mass spectrometry. <i>Glycobiology</i> , 2001, 11, 605-611.	2.5	58
129	Hydration of gas-phase ions formed by electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 1999, 10, 958-968.	2.8	74
130	Dissociation energies of deoxyribose nucleotide dimer anions measured using blackbody infrared radiative dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 1999, 10, 1095-1104.	2.8	42
131	Blackbody infrared radiative dissociation of oligonucleotide anions. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 1117-1124.	2.8	48
132	Activation Energies for Dissociation of Double Strand Oligonucleotide Anions: Evidence for Watson-Crick Base Pairing in Vacuo. <i>Journal of the American Chemical Society</i> , 1998, 120, 9605-9613.	13.7	154
133	Collision-Induced Dissociation Threshold Energies of Protonated Glycine, Glycinamide, and Some Related Small Peptides and Peptide Amino Amides. <i>Journal of the American Chemical Society</i> , 1997, 119, 6552-6563.	13.7	122
134	Hydration of Gas-Phase Gramicidin S (M + 2H) Ions Formed by Electrospray: The Transition From Solution to Gas-Phase Structure. <i>Journal of the American Society for Mass Spectrometry</i> , 1997, 8, 565-568.	2.8	82
135	Determination of Ion-Solvent Equilibria in the Gas Phase. Hydration of Diprotonated Diamines and Bis(trimethylammonium) Alkanes. <i>Journal of the American Chemical Society</i> , 1996, 118, 12437-12442.	13.7	52
136	Reaction Enthalpies for $M+L = M^{++}L$ , Where $M^{++} = Na^{+}$ and $K^{+}$ and $L =$ Acetamide, N-Methylacetamide, N,N-Dimethylacetamide, Glycine, and Glycylglycine, from Determinations of the Collision-Induced Dissociation Thresholds. <i>The Journal of Physical Chemistry</i> , 1996, 100, 14218-14227.	2.9	136
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138	Free Energies of Hydration in the Gas Phase of the Anions of Some Oxo Acids of C, N, S, P, Cl, and I. <i>Journal of the American Chemical Society</i> , 1995, 117, 10563-10571.	13.7	88
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