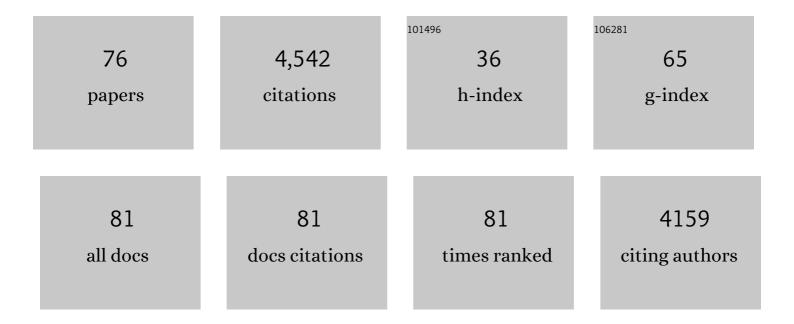
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Recommendations for reporting ion mobility Mass Spectrometry measurements. Mass Spectrometry Reviews, 2019, 38, 291-320.	2.8	315
2	G-Quadruplex DNA Assemblies: Loop Length, Cation Identity, and Multimer Formation. Journal of the American Chemical Society, 2008, 130, 10208-10216.	6.6	246
3	Ligands playing musical chairs with G-quadruplex DNA: A rapid and simple displacement assay for identifying selective G-quadruplex binders. Biochimie, 2008, 90, 1207-1223.	1.3	245
4	Guanines are a quartet's best friend: impact of base substitutions on the kinetics and stability of tetramolecular quadruplexes. Nucleic Acids Research, 2007, 35, 3064-3075.	6.5	174
5	Interaction between antitumor drugs and a double-stranded oligonucleotide studied by electrospray ionization mass spectrometry. , 1999, 34, 1328-1337.		168
6	Triplex and quadruplex DNA structures studied by electrospray mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 1729-1736.	0.7	154
7	Electrospray mass spectrometry to study drug-nucleic acids interactions. Biochimie, 2008, 90, 1074-1087.	1.3	142
8	Influence of response factors on determining equilibrium association constants of non-covalent complexes by electrospray ionization mass spectrometry. Journal of Mass Spectrometry, 2003, 38, 491-501.	0.7	138
9	Determination of affinity, stoichiometry and sequence selectivity of minor groove binder complexes with double-stranded oligodeoxynucleotides by electrospray ionization mass spectrometry. Nucleic Acids Research, 2002, 30, 82e-82.	6.5	135
10	Interactions of cryptolepine and neocryptolepine with unusual DNA structures. Biochimie, 2003, 85, 535-547.	1.3	133
11	Electrospray Mass Spectrometry of Telomeric RNA (TERRA) Reveals the Formation of Stable Multimeric G-Quadruplex Structures. Journal of the American Chemical Society, 2010, 132, 9328-9334.	6.6	124
12	Selective Interaction of Ethidium Derivatives with Quadruplexes:  An Equilibrium Dialysis and Electrospray Ionization Mass Spectrometry Analysis. Biochemistry, 2003, 42, 10361-10371.	1.2	122
13	Shaping quaternary assemblies of water-soluble non-peptide helical foldamers by sequence manipulation. Nature Chemistry, 2015, 7, 871-878.	6.6	115
14	Electron Photodetachment Dissociation of DNA Polyanions in a Quadrupole Ion Trap Mass Spectrometer. Analytical Chemistry, 2006, 78, 6564-6572.	3.2	105
15	Base-Dependent Electron Photodetachment from Negatively Charged DNA Strands upon 260-nm Laser Irradiation. Journal of the American Chemical Society, 2007, 129, 4706-4713.	6.6	97
16	Positive and negative ion mode ESI-MS and MS/MS for studying drug–DNA complexes. International Journal of Mass Spectrometry, 2006, 253, 156-171.	0.7	94
17	Tetramolecular G-quadruplex formation pathways studied by electrospray mass spectrometry. Nucleic Acids Research, 2010, 38, 5217-5225.	6.5	90
18	Assembly of Palladium(II) and Platinum(II) Metalloâ€Rectangles with a Guanosineâ€Substituted Terpyridine and Study of Their Interactions with Quadruplex DNA. Chemistry - A European Journal, 2014, 20, 4772-4779	1.7	83

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19	Telomestatin-induced stabilization of the human telomeric DNA quadruplex monitored by electrospray mass spectrometry. Chemical Communications, 2003, , 2702.	2.2	81
20	Compaction of Duplex Nucleic Acids upon Native Electrospray Mass Spectrometry. ACS Central Science, 2017, 3, 454-461.	5.3	81
21	Tight Binding of the Antitumor Drug Ditercalinium to Quadruplex DNA. ChemBioChem, 2002, 3, 1235-1241.	1.3	80
22	Thermal Denaturation of DNA G-Quadruplexes and Their Complexes with Ligands: Thermodynamic Analysis of the Multiple States Revealed by Mass Spectrometry. Journal of the American Chemical Society, 2018, 140, 12553-12565.	6.6	78
23	A Simple Method to Determine Electrospray Response Factors of Noncovalent Complexes. Analytical Chemistry, 2009, 81, 6708-6715.	3.2	75
24	Gas phase thermal denaturation of an oligonucleotide duplex and its complexes with minor groove binders. , 2000, 14, 464-467.		72
25	Linking molecular models with ion mobility experiments. Illustration with a rigid nucleic acid structure. Journal of Mass Spectrometry, 2015, 50, 711-726.	0.7	69
26	Triâ€Gâ€Quadruplex: Controlled Assembly of a Gâ€Quadruplex Structure from Three Gâ€Rich Strands. Angewandte Chemie - International Edition, 2012, 51, 11002-11005.	7.2	65
27	Infrared Signature of DNA G-Quadruplexes in the Gas Phase. Journal of the American Chemical Society, 2008, 130, 1810-1811.	6.6	63
28	Tridentate Nâ€Đonor Palladium(II) Complexes as Efficient Coordinating Quadruplex DNA Binders. Chemistry - A European Journal, 2011, 17, 13274-13283.	1.7	63
29	Translation of rod-like template sequences into homochiral assemblies of stacked helical oligomers. Nature Nanotechnology, 2017, 12, 447-452.	15.6	62
30	Ascididemin and meridine stabilise G-quadruplexes and inhibit telomerase in vitro. Biochimica Et Biophysica Acta - General Subjects, 2005, 1724, 375-384.	1.1	61
31	Putative DNA G-quadruplex formation within the promoters of Plasmodium falciparum var genes. BMC Genomics, 2009, 10, 362.	1.2	61
32	Specific Stabilization of <i>c-MYC</i> and <i>c-KIT</i> G-Quadruplex DNA Structures by Indolylmethyleneindanone Scaffolds. Biochemistry, 2016, 55, 3571-3585.	1.2	59
33	Influence of the matrix on analyte fragmentation in atmospheric pressure MALDI. Journal of the American Society for Mass Spectrometry, 2006, 17, 1005-1013.	1.2	57
34	Drift Tube Ion Mobility: How to Reconstruct Collision Cross Section Distributions from Arrival Time Distributions?. Analytical Chemistry, 2017, 89, 12674-12681.	3.2	56
35	Optimizing Native Ion Mobility Q-TOF in Helium and Nitrogen for Very Fragile Noncovalent Structures. Journal of the American Society for Mass Spectrometry, 2018, 29, 2189-2198.	1.2	50
36	Mass-resolved electronic circular dichroism ion spectroscopy. Science, 2020, 368, 1465-1468.	6.0	46

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37	UV Spectroscopy of DNA Duplex and Quadruplex Structures in the Gas Phase. Journal of Physical Chemistry A, 2012, 116, 5383-5391.	1.1	41
38	Self-Association of Aromatic Oligoamide Foldamers into Double Helices in Water. Organic Letters, 2014, 16, 4992-4995.	2.4	41
39	Mass Spectrometry of Nucleic Acid Noncovalent Complexes. Chemical Reviews, 2022, 122, 7720-7839.	23.0	40
40	Ligand binding mode to duplex and triplex dna assessed by combining electrospray tandem mass spectrometry and molecular modeling. Journal of the American Society for Mass Spectrometry, 2007, 18, 1052-1062.	1.2	36
41	Electron photodetachment dissociation of DNA anions with covalently or noncovalently bound chromophores. Journal of the American Society for Mass Spectrometry, 2007, 18, 1990-2000.	1.2	34
42	Zwitterionic i-motif structures are preserved in DNA negatively charged ions produced by electrospray mass spectrometry. Physical Chemistry Chemical Physics, 2010, 12, 13448.	1.3	34
43	Covalent binding of antitumor benzoacronycines to double-stranded DNA induces helix opening and the formation of single-stranded DNA: unique consequences of a novel DNA-bonding mechanism. Molecular Cancer Therapeutics, 2005, 4, 71-80.	1.9	34
44	Fast gas-phase hydrogen/deuterium exchange observed for a DNA G-quadruplex. Rapid Communications in Mass Spectrometry, 2005, 19, 201-208.	0.7	31
45	Anatomy of an Oligourea Six-Helix Bundle. Journal of the American Chemical Society, 2016, 138, 10522-10530.	6.6	31
46	Unexpected Position-Dependent Effects of Ribose G-Quartets in G-Quadruplexes. Journal of the American Chemical Society, 2017, 139, 7768-7779.	6.6	30
47	Parallel Guanine Duplex and Cytosine Duplex DNA with Uninterrupted Spines of Ag <sup>I</sup> -Mediated Base Pairs. Journal of Physical Chemistry Letters, 2018, 9, 6605-6610.	2.1	29
48	Mercury–thymine interaction with a chair type G-quadruplex architecture. Chemical Communications, 2012, 48, 11464.	2.2	28
49	Design and Structure Determination of a Composite Zinc Finger Containing a Nonpeptide Foldamer Helical Domain. Journal of the American Chemical Society, 2019, 141, 2516-2525.	6.6	24
50	Dissociation Pathways of Benzylpyridinium "Thermometer―Ions Depend on the Activation Regime: An IRMPD Spectroscopy Study. Journal of Physical Chemistry Letters, 2014, 5, 3787-3791.	2.1	22
51	Identification of Trinucleotide Repeat Ligands with a FRET Melting Assay. ChemBioChem, 2008, 9, 1229-1234.	1.3	20
52	d(TGnT) DNA sequences do not necessarily form tetramolecular G-quadruplexes. Chemical Communications, 2012, 48, 8386.	2.2	19
53	Assembly of chemically modified G-rich sequences into tetramolecular DNA G-quadruplexes and higher order structures. Methods, 2014, 67, 159-168.	1.9	19
54	Electronic spectroscopy of isolated DNA polyanions. Faraday Discussions, 2019, 217, 361-382.	1.6	17

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55	A "sugar-deficient―G-quadruplex: incorporation of aTNA in G4 structures. Chemical Science, 2013, 4, 3693.	3.7	15
56	Probing ligand and cation binding sites in G-quadruplex nucleic acids by mass spectrometry and electron photodetachment dissociation sequencing. Analyst, The, 2019, 144, 3518-3524.	1.7	14
57	Cation Involvement in Telomestatin Binding to G-Quadruplex DNA. Journal of Nucleic Acids, 2010, 2010, 1-7.	0.8	13
58	Largeâ€Amplitude Conformational Changes in Selfâ€Assembled Multiâ€Stranded Aromatic Sheets. Angewandte Chemie - International Edition, 2021, 60, 2574-2577.	7.2	13
59	Symmetric and dissymmetric carbohydrate-phenyl ditriazole derivatives as DNA G-quadruplex ligands: Synthesis, biophysical studies and antiproliferative activity. Bioorganic Chemistry, 2020, 99, 103786.	2.0	11
60	Proteome alteration induced by hTERT transfection of human fibroblast cells. Proteome Science, 2008, 6, 12.	0.7	10
61	Thiosugar naphthalene diimide conjugates: G-quadruplex ligands with antiparasitic and anticancer activity. European Journal of Medicinal Chemistry, 2022, 232, 114183.	2.6	10
62	Ligand binding to tetra-end-linked (TGGGGT)4 G-quadruplexes: an electrospray mass spectroscopy study. Nucleic Acids Symposium Series, 2008, 52, 165-166.	0.3	7
63	Design, synthesis, and antiproliferative effect of 2,9â€bis[4â€(pyridinylalkylaminomethyl)phenyl]â€1,10â€phenanthroline derivatives on human leukemic cells by targeting Gâ€quadruplex. Archiv Der Pharmazie, 2021, 354, e2000450.	2.1	7
64	Crystal structures capture multiple stoichiometric states of an aqueous self-assembling oligourea foldamer. Chemical Communications, 2021, 57, 9514-9517.	2.2	6
65	Cooperative 2:1 Binding of a Bisphenothiazine to Duplex DNA. ChemBioChem, 2008, 9, 849-852.	1.3	5
66	Collision Cross Sections of Phosphoric Acid Cluster Anions in Helium Measured by Drift Tube Ion Mobility Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2020, 31, 969-981.	1.2	5
67	A short C-rich PNA fragment capable to form novel G-quadruplex-PNA complexes. Nucleic Acids Symposium Series, 2008, 52, 167-168.	0.3	4
68	Compaction of RNA Hairpins and Their Kissing Complexes in Native Electrospray Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2020, 31, 2035-2043.	1.2	4
69	Unprecedented hour-long residence time of a cation in a left-handed G-quadruplex. Chemical Science, 2021, 12, 7151-7157.	3.7	4
70	Gas-Phase Spectroscopy of Nucleic Acids. Physical Chemistry in Action, 2014, , 103-130.	0.1	4
71	The Proline-Rich Motif of the proDer p 3 Allergen Propeptide Is Crucial for Protease-Protease Interaction. PLoS ONE, 2013, 8, e68014.	1.1	4
72	Influence of the metals and ligands in dinuclear complexes on phosphopeptide sequencing by electron-transfer dissociation tandem mass spectrometry. Physical Chemistry Chemical Physics, 2018, 20, 26597-26607.	1.3	3

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73	Umfangreiche KonformationsĤderungen in selbstassemblierten mehrstrĤgigen aromatischen FaltblĤtern. Angewandte Chemie, 2021, 133, 2605-2609.	1.6	3
74	Interaction between antitumor drugs and a double-stranded oligonucleotide studied by electrospray ionization mass spectrometry. , 0, .		1
75	Linking molecular models with ion mobility experiments. Illustration with a rigid nucleic acid structure. Journal of Mass Spectrometry, 2015, 50, ii-ii.	0.7	Ο
76	Lennard-Jones interaction parameters of Mo and W in He and N <sub>2</sub> from collision cross-sections of Lindqvist and Keggin polyoxometalate anions. Physical Chemistry Chemical Physics, 0, , .	1.3	0