

# Florence Gonnet

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,471  
citations

279798

23  
h-index

330143

37  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2065  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface plasmon resonance imaging coupled to on-chip mass spectrometry: a new tool to probe protein-GAG interactions. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 507-519.	3.7	19
2	Characterization of Renal Injury and Inflammation in an Experimental Model of Intravascular Hemolysis. <i>Frontiers in Immunology</i> , 2018, 9, 179.	4.8	41
3	Interaction of TiO <sub>2</sub> nanoparticles with proteins from aquatic organisms: the case of gill mucus from blue mussel. <i>Environmental Science and Pollution Research</i> , 2017, 24, 13474-13483.	5.3	10
4	A novel CFHR1-CFHR5 hybrid leads to a familial dominant C3 glomerulopathy. <i>Kidney International</i> , 2017, 92, 876-887.	5.2	35
5	Efficient recovery of glycosaminoglycan oligosaccharides from polyacrylamide gel electrophoresis combined with mass spectrometry analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1257-1269.	3.7	11
6	SOLEIL shining on the solution-state structure of biomacromolecules by synchrotron X-ray footprinting at the Metrology beamline. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 576-585.	2.4	6
7	The chondroitin sulfate/dermatan sulfate 4-O-endosulfatase from marine bacterium <i>Vibrio</i> sp FC509 is a dimeric species: Biophysical characterization of an endosulfatase. <i>Biochimie</i> , 2016, 131, 85-95.	2.6	9
8	Probing the solution structure of Factor H using hydroxyl radical protein footprinting and cross-linking. <i>Biochemical Journal</i> , 2016, 473, 1805-1819.	3.7	9
9	Biomarkers probed in saliva by surface plasmon resonance imaging coupled to matrix-assisted laser desorption/ionization mass spectrometry in array format. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1285-1294.	3.7	20
10	On-line capillary isoelectric focusing hyphenated to native electrospray ionization mass spectrometry for the characterization of interferon- $\beta$ and variants. <i>Analyst</i> , The, 2015, 140, 543-550.	3.5	21
11	MALDI-TOF MS and ESI-LTQ-Orbitrap tandem mass spectrometry reveal specific porphyranase activity from a <i>Pseudoalteromonas atlantica</i> bacterial extract. <i>RSC Advances</i> , 2015, 5, 80793-80803.	3.6	11
12	Derivatization strategies for CE-LIF analysis of biomarkers: Toward a clinical diagnostic of familial transthyretin amyloidosis. <i>Electrophoresis</i> , 2014, 35, 1050-1059.	2.4	13
13	The nano-bio interface mapped by oxidative footprinting of the adsorption sites of myoglobin. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 8037-8040.	3.7	3
14	Capillary zone electrophoresis and capillary electrophoresis-mass spectrometry for analyzing qualitative and quantitative variations in therapeutic albumin. <i>Analytica Chimica Acta</i> , 2013, 800, 103-110.	5.4	33
15	Expression of recombinant human complement C1q allows identification of the C1r/C1s-binding sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8650-8655.	7.1	55
16	Critical parameters for the analysis of anionic oligosaccharides by desorption electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1047-1058.	1.6	12
17	Performance evaluation on a wide set of matrix-assisted laser desorption ionization matrices for the detection of oligosaccharides in a high-throughput mass spectrometric screening of carbohydrate depolymerizing enzymes. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2059-2070.	1.5	52
18	Linking the proteins' Elucidation of proteome-scale networks using mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2011, 30, 268-297.	5.4	23

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19	Analysis of Human C1q by Combined Bottom-up and Top-down Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 593-610.	3.8	36
20	HABA-based ionic liquid matrices for UV-MALDI-MS analysis of heparin and heparan sulfate oligosaccharides. <i>Glycobiology</i> , 2010, 20, 224-234.	2.5	49
21	Desorption Electrospray Ionization Mass Spectrometry of Glycosaminoglycans and Their Protein Noncovalent Complex. <i>Analytical Chemistry</i> , 2010, 82, 9225-9233.	6.5	13
22	Quantitative proteomic analysis of lentiviral vectors using 2D-DE. <i>Proteomics</i> , 2009, 9, 3666-3676.	2.2	25
23	Nanovesicles released by Dictyostelium cells: A potential carrier for drug delivery. <i>International Journal of Pharmaceutics</i> , 2009, 380, 206-215.	5.2	33
24	Hyphenation of Surface Plasmon Resonance Imaging to Matrix-Assisted Laser Desorption Ionization Mass Spectrometry by On-Chip Mass Spectrometry and Tandem Mass Spectrometry Analysis. <i>Analytical Chemistry</i> , 2009, 81, 7695-7702.	6.5	56
25	Proteome analysis of differentiating human myoblasts by dialysis-assisted two-dimensional gel electrophoresis (DAGE). <i>Proteomics</i> , 2008, 8, 264-278.	2.2	25
26	The polyethylene oxide capillary coating is compatible with capillary electrophoresis-mass spectrometry analysis of basic proteins. <i>Analytical Biochemistry</i> , 2008, 372, 258-260.	2.4	10
27	Sulfated oligosaccharides (heparin and fucoidan) binding and dimerization of stromal cell-derived factor-1 (SDF-1/CXCL 12) are coupled as evidenced by affinity CE-MS analysis. <i>Glycobiology</i> , 2008, 18, 1054-1064.	2.5	55
28	Frontal Analysis Capillary Electrophoresis Hyphenated to Electrospray Ionization Mass Spectrometry for the Characterization of the Antithrombin/Heparin Pentasaccharide Complex. <i>Analytical Chemistry</i> , 2007, 79, 4987-4993.	6.5	48
29	Chemical access to the mononuclear Mn(III) [(mL)Mn(OMe)] <sup>+</sup> complex (mLH=N,N'-bis-(2-pyridylmethyl)-N-(2-hydroxybenzyl)-N'-methyl-ethane-1,2-diamine) and electrochemical oxidation to the Mn(IV) [(mL)Mn(OMe)] <sup>2+</sup> species. <i>Inorganica Chimica Acta</i> , 2006, 359, 339-345.	2.4	17
30	A spectroscopic and voltammetric study of the pH-dependent Cu(II) coordination to the peptide GGTH: relevance to the fifth Cu(II) site in the prion protein. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 735-744.	2.6	55
31	CD98, a novel marker of transient amplifying human keratinocytes. <i>Proteomics</i> , 2005, 5, 3637-3645.	2.2	17
32	Mass Spectrometry Analysis of the Oligomeric C1q Protein Reveals the B Chain as the Target of Trypsin Cleavage and Interaction with Fucoidan. <i>Biochemistry</i> , 2005, 44, 2602-2609.	2.5	29
33	Synthesis, Structure, and Characterisation of a New Phenolato-Bridged Manganese Complex [Mn <sub>2</sub> (mL) <sub>2</sub> ] <sup>2+</sup> : Chemical and Electrochemical Access to a New Mono- $\mu_4$ -Oxo Dimanganese Core Unit. <i>Chemistry - A European Journal</i> , 2004, 10, 1998-2010.	3.3	42
34	Hexacyanometalate Molecular Chemistry: Heptanuclear Heterobimetallic Complexes; Control of the Ground Spin State. <i>Chemistry - A European Journal</i> , 2003, 9, 1677-1691.	3.3	141
35	Hexacyanometalate Molecular Chemistry: Di-, Tri-, Tetra-, Hexa- and Heptanuclear Heterobimetallic Complexes; Control of Nuclearity and Structural Anisotropy. <i>Chemistry - A European Journal</i> , 2003, 9, 1692-1705.	3.3	123
36	MALDI/MS peptide mass fingerprinting for proteome analysis: identification of hydrophobic proteins attached to eucaryote keratinocyte cytoplasmic membrane using different matrices in concert. <i>Proteome Science</i> , 2003, 1, 2.	1.7	34

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37	Effects of liquid phase composition on salt cluster formation in positive ion mode electrospray mass spectrometry: Implications for clustering mechanism in electrospray. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 1077-1084.	2.8	17
38	Perturbation of ion trajectories by resonant excitation leads to occurrence of ghost peaks. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 446-450.	1.5	9
39	Location of the Negative Charge(s) on the Backbone of Single-Stranded Deoxyribonucleic Acid in the Gas Phase. <i>European Journal of Mass Spectrometry</i> , 2000, 6, 389-396.	1.0	18
40	Location of the Na <sup>+</sup> cation in negative ions of DNA evidenced by using MS <sup>2</sup> experiments in ion trap mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 1999, 190-191, 303-312.	1.5	19
41	Molecular Recognition of Nucleotide Pairs by a Cyclo-Bis-Intercalant-Type Receptor Molecule: A Spectrophotometric and Electrospray Mass Spectrometry Study. <i>Chemistry - A European Journal</i> , 1999, 5, 2762-2771.	3.3	1
42	The TpG chelate of cis(diammineplatinum) forms two head-to-head rotamers in H <sub>2</sub> O solution. <i>Journal of Biological Inorganic Chemistry</i> , 1998, 3, 30-43.	2.6	6
43	Characterization of protein-hapten conjugates by mass spectrometry. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 1998, 1, 35-40.	0.1	1
44	Synthesis, Structure, and Characterization of the New [L(OH)Fe(½-O)Fe(OH <sub>2</sub> )L] <sub>3</sub> +Complex (L) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 Protonated Diamond Form [LFe(½-O)(½-OH)FeL] <sub>3</sub> +in Acetonitrile. <i>Inorganic Chemistry</i> , 1998, 37, 3127-3132.	4.0	35
45	Molecular Modeling of Platinum Complexes with Oligonucleotides: Methodological Lessons and Structural Insights. , 1997, , 131-160.		2
46	Kinetic Analysis of the Reactions between GG-Containing Oligonucleotides and Platinum Complexes. 1. Reactions of Single-Stranded Oligonucleotides with cis-[Pt(NH <sub>3</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sup>2+</sup> and [Pt(NH <sub>3</sub> ) <sub>3</sub> (H <sub>2</sub> O)] <sup>2+</sup> . <i>Inorganic Chemistry</i> , 1996, 35, 1653-1658.	4.0	50
47	Kinetic Analysis of the Reaction Between d(TTGGCCAA) and [Pt(NH <sub>3</sub> ) <sub>3</sub> (H <sub>2</sub> O)] <sup>2+</sup> by Enzymatic Degradation of the Products and ESI and MALDI Mass Spectrometries. , 1996, 31, 802-809.		35
48	Reactions of the Double-Stranded Oligonucleotide d(TTGGCCAA) <sub>2</sub> with cis-[Pt(NH <sub>3</sub> ) <sub>3</sub> (H <sub>2</sub> O)] <sup>2+</sup> and [Pt(NH <sub>3</sub> ) <sub>3</sub> (H <sub>2</sub> O)] <sup>2+</sup> . <i>Chemistry - A European Journal</i> , 1996, 2, 1068-1076.	3.3	49
49	Isolation of cis-[PtCl(NH <sub>3</sub> ) <sub>2</sub> (H <sub>2</sub> O)](ClO <sub>4</sub> ), the monohydrated form of the anti-tumour drug cisplatin, using cation-exchange high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1993, 648, 279-282.	3.7	11
50	Crosslinking of Adjacent Guanine Residues in an Oligonucleotide by cis-[Pt(NH <sub>3</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sup>2+</sup> : Kinetic Analysis of the Two-Step Reaction. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1483-1485.	4.4	26