

Florence Gonnet

List of Publications by Year in descending order

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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	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
2	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
3	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
4	A spectroscopic and voltammetric study of the pH-dependent Cu(II) coordination to the peptide GGGTH: 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
5	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
6	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
7	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
8	Kinetic Analysis of the Reactions between GG-Containing Oligonucleotides and Platinum Complexes. 1. Reactions of Single-Stranded Oligonucleotides with $cis-[Pt(NH_3)_2(H_2O)_2]^{2+}$ and $[Pt(NH_3)_3(H_2O)]^{2+}$. <i>Inorganic Chemistry</i> , 1996, 35, 1653-1658.	4.0	50
9	Reactions of the Double-stranded Oligonucleotide $d(TTGGCCAA)_2$ with $cis-[Pt(NH_3)_3(H_2O)]^{2+}$ and $[Pt(NH_3)_3(H_2O)]^{2+}$. <i>Chemistry - A European Journal</i> , 1996, 2, 1068-1076.	3.3	49
10	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
11	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
12	Synthesis, Structure, and Characterisation of a New Phenolato-Bridged Manganese Complex $[Mn_2(mL)_2]^{2+}$: Chemical and Electrochemical Access to a New Mono- μ_4 -Oxo Dimanganese Core Unit. <i>Chemistry - A European Journal</i> , 2004, 10, 1998-2010.	3.3	42
13	Characterization of Renal Injury and Inflammation in an Experimental Model of Intravascular Hemolysis. <i>Frontiers in Immunology</i> , 2018, 9, 179.	4.8	41
14	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
15	Kinetic Analysis of the Reaction Between $d(TTGGCCAA)_2$ and $[Pt(NH_3)_3(H_2O)]^{2+}$ by Enzymatic Degradation of the Products and ESI and MALDI Mass Spectrometries. , 1996, 31, 802-809.		35
16	Synthesis, Structure, and Characterization of the New $[L(OH)Fe(\mu_4-O)Fe(OH_2)L]^{3+}$ Complex (L) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 Protonated Diamond Form $[LFe(\mu_4-O)(\mu_4-OH)FeL]^{3+}$ in Acetonitrile. <i>Inorganic Chemistry</i> , 1998, 37, 3127-3132.	4.0	35
17	A novel CFHR1-CFHR5 hybrid leads to a familial dominant C3 glomerulopathy. <i>Kidney International</i> , 2017, 92, 876-887.	5.2	35
18	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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19	Nanovesicles released by Dictyostelium cells: A potential carrier for drug delivery. International Journal of Pharmaceutics, 2009, 380, 206-215.	5.2	33
20	Capillary zone electrophoresis and capillary electrophoresis-mass spectrometry for analyzing qualitative and quantitative variations in therapeutic albumin. Analytica Chimica Acta, 2013, 800, 103-110.	5.4	33
21	Mass Spectrometry Analysis of the Oligomeric C1q Protein Reveals the B Chain as the Target of Trypsin Cleavage and Interaction with Fucoïdan. Biochemistry, 2005, 44, 2602-2609.	2.5	29
22	Crosslinking of Adjacent Guanine Residues in an Oligonucleotide by cis-[Pt(NH ₃) ₂ (H ₂ O) ₂] ²⁺ : Kinetic Analysis of the Two-Step Reaction. Angewandte Chemie International Edition in English, 1992, 31, 1483-1485.	4.4	26
23	Proteome analysis of differentiating human myoblasts by dialysis-assisted two-dimensional gel electrophoresis (DAGE). Proteomics, 2008, 8, 264-278.	2.2	25
24	Quantitative proteomic analysis of lentiviral vectors using 2D-DE. Proteomics, 2009, 9, 3666-3676.	2.2	25
25	Linking the proteins' Elucidation of proteome-scale networks using mass spectrometry. Mass Spectrometry Reviews, 2011, 30, 268-297.	5.4	23
26	On-line capillary isoelectric focusing hyphenated to native electrospray ionization mass spectrometry for the characterization of interferon- β and variants. Analyst, The, 2015, 140, 543-550.	3.5	21
27	Biomarkers probed in saliva by surface plasmon resonance imaging coupled to matrix-assisted laser desorption/ionization mass spectrometry in array format. Analytical and Bioanalytical Chemistry, 2015, 407, 1285-1294.	3.7	20
28	Location of the Na ⁺ cation in negative ions of DNA evidenced by using MS ² experiments in ion trap mass spectrometry. International Journal of Mass Spectrometry, 1999, 190-191, 303-312.	1.5	19
29	Surface plasmon resonance imaging coupled to on-chip mass spectrometry: a new tool to probe protein-GAG interactions. Analytical and Bioanalytical Chemistry, 2020, 412, 507-519.	3.7	19
30	Location of the Negative Charge(s) on the Backbone of Single-Stranded Deoxyribonucleic Acid in the Gas Phase. European Journal of Mass Spectrometry, 2000, 6, 389-396.	1.0	18
31	Effects of liquid phase composition on salt cluster formation in positive ion mode electrospray mass spectrometry: Implications for clustering mechanism in electrospray. Journal of the American Society for Mass Spectrometry, 2001, 12, 1077-1084.	2.8	17
32	CD98, a novel marker of transient amplifying human keratinocytes. Proteomics, 2005, 5, 3637-3645.	2.2	17
33	Chemical access to the mononuclear Mn(III) [(mL)Mn(OMe)] ⁺ 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)] ²⁺ species. Inorganica Chimica Acta, 2006, 359, 339-345.	2.4	17
34	Desorption Electrospray Ionization Mass Spectrometry of Glycosaminoglycans and Their Protein Noncovalent Complex. Analytical Chemistry, 2010, 82, 9225-9233.	6.5	13
35	Derivatization strategies for CE-LIF analysis of biomarkers: Toward a clinical diagnostic of familial transthyretin amyloidosis. Electrophoresis, 2014, 35, 1050-1059.	2.4	13
36	Critical parameters for the analysis of anionic oligosaccharides by desorption electrospray ionization mass spectrometry. Journal of Mass Spectrometry, 2012, 47, 1047-1058.	1.6	12

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37	Isolation of cis-[PtCl(NH ₃) ₂ (H ₂ O)](ClO ₄), 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
38	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
39	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
40	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
41	Interaction of TiO ₂ 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
42	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
43	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
44	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
45	The TpG chelate of cis(diammineplatinum) forms two head-to-head rotamers in H ₂ O solution. <i>Journal of Biological Inorganic Chemistry</i> , 1998, 3, 30-43.	2.6	6
46	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
47	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
48	Molecular Modeling of Platinum Complexes with Oligonucleotides: Methodological Lessons and Structural Insights. , 1997, , 131-160.		2
49	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
50	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