

# Cristina Giovannoli

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99  
papers

3,071  
citations

32  
h-index

52  
g-index

100  
ext. papers

3,336  
ext. citations

5.4  
avg, IF

5.19  
L-index

#	Paper	IF	Citations
99	Solid phase extraction of food contaminants using molecular imprinted polymers. <i>Analytica Chimica Acta</i> , <b>2007</b> , 591, 29-39	6.6	213
98	Lateral-flow immunoassays for mycotoxins and phycotoxins: a review. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 467-80	4.4	151
97	Mycotoxin detection. <i>Current Opinion in Biotechnology</i> , <b>2016</b> , 37, 120-126	11.4	146
96	Molecularly imprinted solid-phase extraction sorbent for the clean-up of chlorinated phenoxyacids from aqueous samples. <i>Journal of Chromatography A</i> , <b>2001</b> , 938, 35-44	4.5	137
95	A connection between the binding properties of imprinted and nonimprinted polymers: a change of perspective in molecular imprinting. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1513-8	16.4	125
94	Increased sensitivity of lateral flow immunoassay for ochratoxin A through silver enhancement. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 9859-67	4.4	88
93	Multiplex Lateral Flow Immunoassay: An Overview of Strategies towards High-throughput Point-of-Need Testing. <i>Biosensors</i> , <b>2018</b> , 9,	5.9	82
92	A lateral flow immunoassay for straightforward determination of fumonisin mycotoxins based on the quenching of the fluorescence of CdSe/ZnS quantum dots by gold and silver nanoparticles. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 94	5.8	73
91	Adsorption isotherms of a molecular imprinted polymer prepared in the presence of a polymerisable template. <i>Analytica Chimica Acta</i> , <b>2004</b> , 504, 43-52	6.6	73
90	Development and application of a quantitative lateral flow immunoassay for fumonisins in maize. <i>Analytica Chimica Acta</i> , <b>2010</b> , 682, 104-9	6.6	71
89	Optimization of a lateral flow immunoassay for the ultrasensitive detection of aflatoxin M1 in milk. <i>Analytica Chimica Acta</i> , <b>2013</b> , 772, 75-80	6.6	69
88	Determination of ochratoxin A in Italian red wines by molecularly imprinted solid phase extraction and HPLC analysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 5220-5	5.7	67
87	A multiplex chemiluminescent biosensor for type B-fumonisin and aflatoxin B1 quantitative detection in maize flour. <i>Analyst, The</i> , <b>2015</b> , 140, 358-65	5	66
86	Colour-encoded lateral flow immunoassay for the simultaneous detection of aflatoxin B1 and type-B fumonisins in a single Test line. <i>Talanta</i> , <b>2019</b> , 192, 288-294	6.2	65
85	Development and application of solvent-free extraction for the detection of aflatoxin M1 in dairy products by enzyme immunoassay. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 1852-7	5.7	62
84	Determination of banned Sudan dyes in food samples by molecularly imprinted solid phase extraction-high performance liquid chromatography. <i>Journal of Separation Science</i> , <b>2009</b> , 32, 3292-300	3.4	60
83	Multicolor immunochromatographic strip test based on gold nanoparticles for the determination of aflatoxin B1 and fumonisins. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 1295-1304	5.8	58

82	A molecularly imprinted polymer for the pesticide bentazone. <i>Analytical Communications</i> , <b>1999</b> , 36, 263-266		56
81	A fluorescent immunochromatographic strip test using Quantum Dots for fumonisins detection. <i>Talanta</i> , <b>2016</b> , 150, 463-8	6.2	53
80	Binding properties of 2,4,5-trichlorophenoxyacetic acid-imprinted polymers prepared with different molar ratios between template and functional monomer. <i>Talanta</i> , <b>2004</b> , 62, 1029-34	6.2	52
79	A lateral flow immunoassay for the rapid detection of ochratoxin A in wine and grape must. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 11491-7	5.7	49
78	Development of a quantitative lateral flow immunoassay for the detection of aflatoxins in maize. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2011</b> , 28, 226-34	3.2	47
77	Solid-phase extraction of ochratoxin A from wine based on a binding hexapeptide prepared by combinatorial synthesis. <i>Journal of Chromatography A</i> , <b>2007</b> , 1175, 174-80	4.5	47
76	Chromatographic characterization of molecularly imprinted polymers binding the herbicide 2,4,5-trichlorophenoxyacetic acid. <i>Journal of Chromatography A</i> , <b>2000</b> , 883, 119-26	4.5	46
75	Molecularly imprinted polymer/cryogel composites for solid-phase extraction of bisphenol A from river water and wine. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 397, 815-22	4.4	44
74	Silver and gold nanoparticles as multi-chromatic lateral flow assay probes for the detection of food allergens. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 1905-1913	4.4	41
73	Development of a molecularly imprinted polymer for selective extraction of bisphenol A in water samples. <i>Journal of Separation Science</i> , <b>2010</b> , 33, 1644-51	3.4	38
72	Molecular imprinted polymers as synthetic receptors for the analysis of myco- and phyco-toxins. <i>Analyst, The</i> , <b>2008</b> , 133, 719-30	5	38
71	Chromatographic characterization of a molecular imprinted polymer binding cortisol. <i>Talanta</i> , <b>2000</b> , 51, 71-5	6.2	35
70	Occurrence of aflatoxin M1 in Italian cheese: Results of a survey conducted in 2010 and correlation with manufacturing, production season, milking animals, and maturation of cheese. <i>Food Control</i> , <b>2012</b> , 25, 125-130	6.2	34
69	Direct vs Mediated Coupling of Antibodies to Gold Nanoparticles: The Case of Salivary Cortisol Detection by Lateral Flow Immunoassay. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 32758-32768	9.5	32
68	Aptamers and molecularly imprinted polymers as artificial biomimetic receptors in affinity capillary electrophoresis and electrochromatography. <i>Electrophoresis</i> , <b>2008</b> , 29, 3349-65	3.6	32
67	Selectivity features of molecularly imprinted polymers recognising the carbamate group. <i>Analytica Chimica Acta</i> , <b>2005</b> , 531, 199-207	6.6	30
66	A general method to perform a noncompetitive immunoassay for small molecules. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 4697-700	7.8	30
65	Development of an enzyme-linked immunosorbent assay for benalaxyl and its application to the analysis of water and wine. <i>Analytica Chimica Acta</i> , <b>1999</b> , 392, 85-94	6.6	29

64	Development of enzyme-linked immunosorbent assays for Sudan dyes in chilli powder, ketchup and egg yolk. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2009</b> , 26, 800-7	3.2	28
63	Binding properties of a monoclonal antibody against the Cry1Ab from <i>Bacillus Thuringensis</i> for the development of a capillary electrophoresis competitive immunoassay. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 392, 385-93	4.4	28
62	Development of a non-competitive immunoassay for monitoring DDT, its metabolites and analogues in water samples. <i>Analytica Chimica Acta</i> , <b>2004</b> , 506, 87-95	6.6	26
61	Multivariate analysis of the selectivity for a pentachlorophenol-imprinted polymer. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2004</b> , 804, 31-41	3.2	25
60	A combinatorial approach to obtain affinity media with binding properties towards the aflatoxins. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 375, 994-9	4.4	25
59	Molecularly imprinted polymers for corticosteroids: analysis of binding selectivity. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 590-5	11.8	24
58	Molecular recognition of polycyclic aromatic hydrocarbons by pyrene-imprinted microspheres. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 389, 413-22	4.4	24
57	A versatile and sensitive lateral flow immunoassay for the rapid diagnosis of visceral leishmaniasis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 4123-4134	4.4	23
56	Development of a non-competitive immunoassay for cortisol and its application to the analysis of saliva. <i>Analytica Chimica Acta</i> , <b>2002</b> , 468, 315-321	6.6	23
55	Optimization of the cyclodextrin-assisted capillary electrophoresis separation of the enantiomers of phenoxyacid herbicides. <i>Journal of Chromatography A</i> , <b>2000</b> , 875, 423-30	4.5	23
54	Enzyme immunoassay for monitoring aflatoxins in eggs. <i>Food Control</i> , <b>2015</b> , 57, 115-121	6.2	22
53	Chromatographic characterisation of an estrogen-binding affinity column containing tetrapeptides selected by a combinatorial-binding approach. <i>Journal of Chromatography A</i> , <b>2002</b> , 966, 71-9	4.5	22
52	MIP-based immunoassays: State of the Art, limitations and Perspectives. <i>Molecular Imprinting</i> , <b>2013</b> , 1,		21
51	A novel approach for a non competitive capillary electrophoresis immunoassay with laser-induced fluorescence detection for the determination of human serum albumin. <i>Journal of Chromatography A</i> , <b>2007</b> , 1155, 187-92	4.5	21
50	Molecular Imprinted Polymers: Useful Tools for Pharmaceutical Analysis. <i>Current Pharmaceutical Analysis</i> , <b>2006</b> , 2, 219-247	0.6	20
49	Binding behaviour of molecularly imprinted polymers prepared by a hierarchical approach in mesoporous silica beads of varying porosity. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 1828-34	4.5	19
48	Multi-analyte homogenous immunoassay based on quenching of quantum dots by functionalized graphene. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 4841-9	4.4	18
47	Homogeneous immunoassay based on gold nanoparticles and visible absorption detection. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 394, 507-12	4.4	18

46	Functionalized nanoporous gold as a new biosensor platform for ultra-low quantitative detection of human serum albumin. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 288, 460-468	8.5	17
45	Solid phase extraction of penicillins from milk by using sacrificial silica beads as a support for a molecular imprint. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 1371-1377	5.8	17
44	Peptide-based affinity media for solid-phase extraction of Ochratoxin A from wine samples: Effect of the solid support on binding properties. <i>Talanta</i> , <b>2015</b> , 144, 496-501	6.2	15
43	Inaccuracy of the Bradford method for the determination of protein concentration in steroid-horseradish peroxidase conjugates. <i>Analytica Chimica Acta</i> , <b>1997</b> , 337, 93-97	6.6	14
42	Catalytic and spectroscopic characterisation of a copper-substituted alcohol dehydrogenase from yeast. <i>International Journal of Biological Macromolecules</i> , <b>2002</b> , 30, 41-5	7.9	14
41	New derivatives of cyclodextrins as chiral selectors for the capillary electrophoretic separation of dichlorprop enantiomers. <i>Journal of Chromatography A</i> , <b>1998</b> , 810, 193-200	4.5	13
40	DNA separation by capillary electrophoresis with hydrophilic substituted celluloses as coating and sieving polymers. Application to the analysis of genetically modified meals. <i>Journal of Separation Science</i> , <b>2004</b> , 27, 1551-6	3.4	13
39	Validation of a qualitative immunochromatographic test for the noninvasive assessment of stress in dogs. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1028, 192-198	3.2	12
38	Man-Made Synthetic Receptors for Capture and Analysis of Ochratoxin A. <i>Toxins</i> , <b>2015</b> , 7, 4083-98	4.9	11
37	Effect of the mimic structure on the molecular recognition properties of molecularly imprinted polymers for ochratoxin A prepared by a fragmental approach. <i>Reactive and Functional Polymers</i> , <b>2013</b> , 73, 833-837	4.6	11
36	Synthesis of Randomly Substituted Anionic Cyclodextrins in Ball Milling. <i>Molecules</i> , <b>2017</b> , 22,	4.8	10
35	Molecular recognition properties of peptide mixtures obtained by polymerisation of amino acids in the presence of estradiol. <i>Analytica Chimica Acta</i> , <b>2003</b> , 481, 41-53	6.6	10
34	Synthesis and characterisation of 8-hydroxyquinolineBovine serum albumin conjugates as metal ion chelating proteins. <i>Analytica Chimica Acta</i> , <b>1999</b> , 378, 225-233	6.6	10
33	Affinity between immobilised monoclonal and polyclonal antibodies and steroid-enzyme tracers increases sharply at high surface density. <i>Analytica Chimica Acta</i> , <b>1999</b> , 381, 133-146	6.6	10
32	Development of a biomimetic enzyme-linked immunosorbent assay based on a molecularly imprinted polymer for the detection of cortisol in human saliva. <i>Analytical Methods</i> , <b>2019</b> , 11, 2320-2326 <sup>3.2</sup>	3.2	9
31	Evidence of an Important Role of Photochemistry in the Attenuation of the Secondary Contaminant 3,4-Dichloroaniline in Paddy Water. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 6334-6342	10.3	9
30	A broad-selective enzyme immunoassay for non-invasive stress assessment in African penguins ( <i>Spheniscus demersus</i> ) held in captivity. <i>Analytical Methods</i> , <b>2014</b> , 6, 8222-8231	3.2	9
29	Amine-rich carbon nitride nanoparticles: Synthesis, covalent functionalization with proteins and application in a fluorescence quenching assay. <i>Nano Research</i> , <b>2019</b> , 12, 1862-1870	10	8

28	Comparison of binding behavior for molecularly imprinted polymers prepared by hierarchical imprinting or Pickering emulsion polymerization. <i>Journal of Separation Science</i> , <b>2015</b> , 38, 3661-8	3.4	8
27	A rational route to the development of a competitive capillary electrophoresis immunoassay: assessment of the variables affecting the performances of a competitive capillary electrophoresis immunoassay for human serum albumin. <i>Talanta</i> , <b>2012</b> , 94, 65-9	6.2	8
26	Estradiol binding synthetic polypeptides. <i>Chemical Communications</i> , <b>2000</b> , 1135-1136	5.8	8
25	Affinity Capillary Electrochromatography of Molecularly Imprinted Thin Layers Grafted onto Silica Capillaries Using a Surface-Bound Azo-Initiator and Living Polymerization. <i>Polymers</i> , <b>2018</b> , 10,	4.5	7
24	An innovative approach to molecularly imprinted capillaries for polar templates by grafting polymerization. <i>Journal of Molecular Recognition</i> , <b>2012</b> , 25, 377-82	2.6	7
23	Molecular Recognition of the Fungicide Carbendazim by a Molecular Imprinted Polymer Obtained through a Mimic Template Approach. <i>Analytical Letters</i> , <b>2009</b> , 42, 807-820	2.2	7
22	Binding behaviour of pyrimethanil-imprinted polymers prepared in the presence of polar co-monomers. <i>Journal of Chromatography A</i> , <b>2006</b> , 1117, 74-80	4.5	7
21	Enzyme immunoassay for the determination of the insecticide fenoxycarb. <i>Analytical Communications</i> , <b>1998</b> , 35, 183-185		6
20	Polycarboxylated Derivatives of $\beta$ -Cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2001</b> , 39, 139-143		6
19	Effect of homologous and heterologous spacer arms of progesterone horse radish peroxidase conjugates on the equilibrium constants for an immobilised anti-progesterone antiserum. <i>Analytica Chimica Acta</i> , <b>2000</b> , 417, 95-100	6.6	6
18	Increased sensitivity of autoantibody determination by coupled-particle light-scattering assay by poly(ethylene glycols)-modified beads. <i>Analytica Chimica Acta</i> , <b>2004</b> , 510, 153-161	6.6	5
17	Determination of the insecticide fenoxycarb in apple leaf samples by an enzyme-linked immunosorbent assay. <i>Analytica Chimica Acta</i> , <b>2003</b> , 478, 271-280	6.6	5
16	Mycotoxins in Food and Feed: Extraction, Analysis and Emerging Technologies for Rapid and on-Field Detection. <i>Recent Patents on Food, Nutrition &amp; Agriculture</i> , <b>2010</b> , 2, 140-153	1.9	5
15	Screening of a Combinatorial Library of Organic Polymers for the Solid-Phase Extraction of Patulin from Apple Juice. <i>Toxins</i> , <b>2017</b> , 9,	4.9	4
14	Synthetic peptides as artificial receptors towards proteins from genetically modified organisms. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 24, 493-7	11.8	4
13	Evaluation of purification procedures of DNA from maize-meal samples by exploiting different analytical techniques for the assessment of DNA quality. <i>Annali Di Chimica</i> , <b>2004</b> , 94, 269-80		4
12	Lateral Flow Immunoassays for Aflatoxins B and G and for Aflatoxin M1 <b>2013</b> ,		3
11	Reactivity of an immobilized anti-progesterone antiserum with homologous and heterologous progesterone horse radish peroxidase conjugates. <i>Analyst, The</i> , <b>1999</b> , 124, 313-318	5	3

10	Delayed Addition of Template Molecules Enhances the Binding Properties of Diclofenac-Imprinted Polymers. <i>Polymers</i> , <b>2020</b> , 12,	4.5	2
9	Functionalized TiO <sub>2</sub> Nanoparticles as Labels for Immunoassay. <i>ChemistrySelect</i> , <b>2016</b> , 1, 2021-2027	1.8	2
8	Mycotoxins in food and feed: Extraction, analysis and emerging technologies for rapid and on-field detection. <i>Recent Patents on Food, Nutrition &amp; Agriculture</i> , <b>2010</b> , 2, 140-53	1.9	1
7	Artificial Systems for Molecular Recognition of Mycotoxins <b>2009</b> , 3-20		1
6	Full vs. partial competitive binding behaviour in molecularly imprinted polymers. The case for a chlorinated phenoxyacids-binding polymer. <i>RSC Advances</i> , <b>2016</b> , 6, 78317-78321	3.7	0
5	Selective enrichment of aianthone from leaves of aianthus altissima by tandem reverse phase/molecularly imprinted solid phase extraction. <i>Microchemical Journal</i> , <b>2020</b> , 158, 105198	4.8	
4	Molecular Imprinted Solid-Phase Extraction for Cleanup of Chlorinated Phenoxyacids From Aqueous Samples <b>2006</b> , 421-433		
3	Functionalized biopolymers as soluble macromolecular chelating agents. <i>Annali Di Chimica</i> , <b>2001</b> , 91, 1-8		
2	The complexation of mercury (II) and organomercurial compounds by 8-hydroxyquinoline-bovine serum albumin conjugates. <i>Annali Di Chimica</i> , <b>2001</b> , 91, 541-51		
1	Binding properties of a polyclonal antibody directed towards lead complexes. <i>Annali Di Chimica</i> , <b>2003</b> , 93, 499-512		