Cristina Giovannoli

List of Publications by Year
in descending order

97	3,667	126901 33	144002 57
papers	citations	h-index	g-index

100	100	100	4074
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solid phase extraction of food contaminants using molecular imprinted polymers. Analytica Chimica Acta, 2007, 591, 29-39.	5.4	234
2	Mycotoxin detection. Current Opinion in Biotechnology, 2016, 37, 120-126.	6.6	192
3	Lateral-flow immunoassays for mycotoxins and phycotoxins: a review. Analytical and Bioanalytical Chemistry, 2013, 405, 467-480.	3.7	179
4	Molecularly imprinted solid-phase extraction sorbent for the clean-up of chlorinated phenoxyacids from aqueous samples. Journal of Chromatography A, 2001, 938, 35-44.	3.7	150
5	A Connection between the Binding Properties of Imprinted and Nonimprinted Polymers: A Change of Perspective in Molecular Imprinting. Journal of the American Chemical Society, 2012, 134, 1513-1518.	13.7	141
6	Multiplex Lateral Flow Immunoassay: An Overview of Strategies towards High-throughput Point-of-Need Testing. Biosensors, 2019, 9, 2.	4.7	133
7	Increased sensitivity of lateral flow immunoassay for ochratoxin A through silver enhancement. Analytical and Bioanalytical Chemistry, 2013, 405, 9859-9867.	3.7	112
8	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. Mikrochimica Acta, 2018, 185, 94.	5.0	93
9	Colour-encoded lateral flow immunoassay for the simultaneous detection of aflatoxin B1 and type-B fumonisins in a single Test line. Talanta, 2019, 192, 288-294.	5.5	89
10	Adsorption isotherms of a molecular imprinted polymer prepared in the presence of a polymerisable template. Analytica Chimica Acta, 2004, 504, 43-52.	5.4	81
11	Development and application of a quantitative lateral flow immunoassay for fumonisins in maize. Analytica Chimica Acta, 2010, 682, 104-109.	5.4	81
12	Optimization of a lateral flow immunoassay for the ultrasensitive detection of aflatoxin M1 in milk. Analytica Chimica Acta, 2013, 772, 75-80.	5.4	79
13	Silver and gold nanoparticles as multi-chromatic lateral flow assay probes for the detection of food allergens. Analytical and Bioanalytical Chemistry, 2019, 411, 1905-1913.	3.7	73
14	Determination of Ochratoxin A in Italian Red Wines by Molecularly Imprinted Solid Phase Extraction and HPLC Analysis. Journal of Agricultural and Food Chemistry, 2014, 62, 5220-5225.	5.2	72
15	Development and Application of Solvent-free Extraction for the Detection of Aflatoxin M₁ in Dairy Products by Enzyme Immunoassay. Journal of Agricultural and Food Chemistry, 2008, 56, 1852-1857.	5.2	71
16	A multiplex chemiluminescent biosensor for type B-fumonisins and aflatoxin B1 quantitative detection in maize flour. Analyst, The, 2015, 140, 358-365.	3.5	71
17	Determination of banned Sudan dyes in food samples by molecularly imprinted solid phase extractionâ€high performance liquid chromatography. Journal of Separation Science, 2009, 32, 3292-3300.	2.5	67
18	Multicolor immunochromatographic strip test based on gold nanoparticles for the determination of aflatoxin B1 and fumonisins. Mikrochimica Acta, 2017, 184, 1295-1304.	5.0	67

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19	A fluorescent immunochromatographic strip test using Quantum Dots for fumonisins detection. Talanta, 2016, 150, 463-468.	5.5	66
20	A molecularly imprinted polymer for the pesticide bentazone. Analytical Communications, 1999, 36, 263-266.	2.2	61
21	Binding properties of 2,4,5-trichlorophenoxyacetic acid-imprinted polymers prepared with different molar ratios between template and functional monomer. Talanta, 2004, 62, 1029-1034.	5.5	60
22	Direct vs Mediated Coupling of Antibodies to Gold Nanoparticles: The Case of Salivary Cortisol Detection by Lateral Flow Immunoassay. ACS Applied Materials & Interfaces, 2019, 11, 32758-32768.	8.0	60
23	A Lateral Flow Immunoassay for the Rapid Detection of Ochratoxin A in Wine and Grape Must. Journal of Agricultural and Food Chemistry, 2012, 60, 11491-11497.	5.2	55
24	Development of a quantitative lateral flow immunoassay for the detection of aflatoxins in maize. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2011, 28, 226-234.	2.3	54
25	Solid-phase extraction of ochratoxin A from wine based on a binding hexapeptide prepared by combinatorial synthesis. Journal of Chromatography A, 2007, 1175, 174-180.	3.7	51
26	Chromatographic characterization of molecularly imprinted polymers binding the herbicide 2,4,5-trichlorophenoxyacetic acid. Journal of Chromatography A, 2000, 883, 119-126.	3.7	50
27	Molecularly imprinted polymer/cryogel composites for solid-phase extraction of bisphenol A from river water and wine. Analytical and Bioanalytical Chemistry, 2010, 397, 815-822.	3.7	48
28	Development of a molecularly imprinted polymer for selective extraction of bisphenol A in water samples. Journal of Separation Science, 2010, 33, 1644-1651.	2.5	46
29	Molecular imprinted polymers as synthetic receptors for the analysis of myco- and phyco-toxins. Analyst, The, 2008, 133, 719.	3.5	42
30	Chromatographic characterization of a molecular imprinted polymer binding cortisol. Talanta, 2000, 51, 71-75.	5.5	39
31	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. Food Control, 2012, 25, 125-130.	5.5	39
32	Selectivity features of molecularly imprinted polymers recognising the carbamate group. Analytica Chimica Acta, 2005, 531, 199-207.	5.4	36
33	Development of enzyme-linked immunosorbent assays for Sudan dyes in chilli powder, ketchup and egg yolk. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2009, 26, 800-807.	2.3	35
34	A versatile and sensitive lateral flow immunoassay for the rapid diagnosis of visceral leishmaniasis. Analytical and Bioanalytical Chemistry, 2018, 410, 4123-4134.	3.7	35
35	A General Method To Perform a Noncompetitive Immunoassay for Small Molecules. Analytical Chemistry, 1999, 71, 4697-4700.	6.5	32
36	Aptamers and molecularly imprinted polymers as artificial biomimetic receptors in affinity capillary electrophoresis and electrochromatography. Electrophoresis, 2008, 29, 3349-3365.	2.4	32

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37	Development of an enzyme-linked immunosorbent assay for benalaxyl and its application to the analysis of water and wine. Analytica Chimica Acta, 1999, 392, 85-94.	5.4	31
38	Development of a non-competitive immunoassay for monitoring DDT, its metabolites and analogues in water samples. Analytica Chimica Acta, 2004, 506, 87-95.	5.4	30
39	Binding properties of a monoclonal antibody against the Cry1Ab from Bacillus Thuringensis for the development of a capillary electrophoresis competitive immunoassay. Analytical and Bioanalytical Chemistry, 2008, 392, 385-393.	3.7	29
40	Optimization of the cyclodextrin-assisted capillary electrophoresis separation of the enantiomers of phenoxyacid herbicides. Journal of Chromatography A, 2000, 875, 423-430.	3.7	28
41	A combinatorial approach to obtain affinity media with binding properties towards the aflatoxins. Analytical and Bioanalytical Chemistry, 2003, 375, 994-999.	3.7	28
42	Multivariate analysis of the selectivity for a pentachlorophenol-imprinted polymer. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 804, 31-41.	2.3	27
43	Molecularly imprinted polymers for corticosteroids: Analysis of binding selectivity. Biosensors and Bioelectronics, 2010, 26, 590-595.	10.1	26
44	Chromatographic characterisation of an estrogen-binding affinity column containing tetrapeptides selected by a combinatorial-binding approach. Journal of Chromatography A, 2002, 966, 71-79.	3.7	25
45	Development of a non-competitive immunoassay for cortisol and its application to the analysis of saliva. Analytica Chimica Acta, 2002, 468, 315-321.	5.4	25
46	Molecular recognition of polycyclic aromatic hydrocarbons by pyrene-imprinted microspheres. Analytical and Bioanalytical Chemistry, 2007, 389, 413-422.	3.7	25
47	MIP-based immunoassays: State of the Art, limitations and Perspectives. Molecular Imprinting, 2013, 1, .	1.8	25
48	A novel approach for a non competitive capillary electrophoresis immunoassay with laser-induced fluorescence detection for the determination of human serum albumin. Journal of Chromatography A, 2007, 1155, 187-192.	3.7	24
49	Enzyme immunoassay for monitoring aflatoxins in eggs. Food Control, 2015, 57, 115-121.	5.5	24
50	Molecular Imprinted Polymers: Useful Tools for Pharmaceutical Analysis. Current Pharmaceutical Analysis, 2006, 2, 219-247.	0.6	22
51	Homogeneous immunoassay based on gold nanoparticles and visible absorption detection. Analytical and Bioanalytical Chemistry, 2009, 394, 507-512.	3.7	21
52	Functionalized nanoporous gold as a new biosensor platform for ultra-low quantitative detection of human serum albumin. Sensors and Actuators B: Chemical, 2019, 288, 460-468.	7.8	21
53	Development of a biomimetic enzyme-linked immunosorbent assay based on a molecularly imprinted polymer for the detection of cortisol in human saliva. Analytical Methods, 2019, 11, 2320-2326.	2.7	21
54	Binding behaviour of molecularly imprinted polymers prepared by a hierarchical approach in mesoporous silica beads of varying porosity. Journal of Chromatography A, 2011, 1218, 1828-1834.	3.7	19

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55	Multi-analyte homogenous immunoassay based on quenching of quantum dots by functionalized graphene. Analytical and Bioanalytical Chemistry, 2014, 406, 4841-4849.	3.7	19
56	Solid phase extraction of penicillins from milk by using sacrificial silica beads as a support for a molecular imprint. Mikrochimica Acta, 2013, 180, 1371-1377.	5.0	18
57	Peptide-based affinity media for solid-phase extraction of Ochratoxin A from wine samples: Effect of the solid support on binding properties. Talanta, 2015, 144, 496-501.	5.5	18
58	Validation of a qualitative immunochromatographic test for the noninvasive assessment of stress in dogs. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1028, 192-198.	2.3	18
59	Inaccuracy of the Bradford method for the determination of protein concentration in steroid-horseradish peroxidase conjugates. Analytica Chimica Acta, 1997, 337, 93-97.	5.4	16
60	New derivatives of cyclodextrins as chiral selectors for the capillary electrophoretic separation of dichlorprop enantiomers. Journal of Chromatography A, 1998, 810, 193-200.	3.7	16
61	Catalytic and spectroscopic characterisation of a copper-substituted alcohol dehydrogenase from yeast. International Journal of Biological Macromolecules, 2002, 30, 41-45.	7.5	16
62	Effect of the mimic structure on the molecular recognition properties of molecularly imprinted polymers for ochratoxin A prepared by a fragmental approach. Reactive and Functional Polymers, 2013, 73, 833-837.	4.1	15
63	DNA separation by capillary electrophoresis with hydrophilic substituted celluloses as coating and sieving polymers. Application to the analysis of genetically modified meals. Journal of Separation Science, 2004, 27, 1551-1556.	2.5	14
64	Amine-rich carbon nitride nanoparticles: Synthesis, covalent functionalization with proteins and application in a fluorescence quenching assay. Nano Research, 2019, 12, 1862-1870.	10.4	14
65	Man-Made Synthetic Receptors for Capture and Analysis of Ochratoxin A. Toxins, 2015, 7, 4083-4098.	3.4	13
66	Evidence of an Important Role of Photochemistry in the Attenuation of the Secondary Contaminant 3,4-Dichloroaniline in Paddy Water. Environmental Science & Technology, 2018, 52, 6334-6342.	10.0	13
67	Synthesis and characterisation of 8-hydroxyquinolineâ€“bovine serum albumin conjugates as metal ion chelating proteins. Analytica Chimica Acta, 1999, 378, 225-233.	5.4	12
68	Affinity between immobilised monoclonal and polyclonal antibodies and steroid-enzyme tracers increases sharply at high surface density. Analytica Chimica Acta, 1999, 381, 133-146.	5.4	12
69	Synthesis of Randomly Substituted Anionic Cyclodextrins in Ball Milling. Molecules, 2017, 22, 485.	3.8	12
70	Affinity Capillary Electrochromatography of Molecularly Imprinted Thin Layers Grafted onto Silica Capillaries Using a Surface-Bound Azo-Initiator and Living Polymerization. Polymers, 2018, 10, 192.	4.5	12
71	Molecular recognition properties of peptide mixtures obtained by polymerisation of amino acids in the presence of estradiol. Analytica Chimica Acta, 2003, 481, 41-53.	5.4	11
72	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. Talanta, 2012, 94, 65-69.	5.5	11

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73	A broad-selective enzyme immunoassay for non-invasive stress assessment in African penguins (Spheniscus demersus) held in captivity. Analytical Methods, 2014, 6, 8222-8231.	2.7	11
74	Estradiol binding synthetic polypeptides. Chemical Communications, 2000, , 1135-1136.	4.1	9
75	Comparison of binding behavior for molecularly imprinted polymers prepared by hierarchical imprinting or Pickering emulsion polymerization. Journal of Separation Science, 2015, 38, 3661-3668.	2.5	9
76	Enzyme immunoassay for the determination of the insecticide fenoxycarb. Analytical Communications, 1998, 35, 183-185.	2.2	7
77	Polycarboxylated Derivatives of b.beta;-Cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2001, 39, 139-143.	1.6	7
78	Binding behaviour of pyrimethanil-imprinted polymers prepared in the presence of polar co-monomers. Journal of Chromatography A, 2006, 1117, 74-80.	3.7	7
79	Molecular Recognition of the Fungicide Carbendazim by a Molecular Imprinted Polymer Obtained through a Mimic Template Approach. Analytical Letters, 2009, 42, 807-820.	1.8	7
80	An innovative approach to molecularly imprinted capillaries for polar templates by grafting polymerization. Journal of Molecular Recognition, 2012, 25, 377-382.	2.1	7
81	Lateral Flow Immunoassays for Aflatoxins B and G and for Aflatoxin M1. , 0, , .		7
82	Mycotoxins in Food and Feed: Extraction, Analysis and Emerging Technologies for Rapid and on-Field Detection. Recent Patents on Food, Nutrition & Agriculture, 2010, 2, 140-153.	0.9	7
83	Effect of homologous and heterologous spacer arms of progesterone â€" horse radish peroxidase conjugates on the equilibrium constants for an immobilised anti-progesterone antiserum. Analytica Chimica Acta, 2000, 417, 95-100.	5.4	6
84	Increased sensitivity of autoantibody determination by coupled-particle light-scattering assay by poly(ethylene glycols)-modified beads. Analytica Chimica Acta, 2004, 510, 153-161.	5.4	6
85	Delayed Addition of Template Molecules Enhances the Binding Properties of Diclofenac-Imprinted Polymers. Polymers, 2020, 12, 1178.	4.5	6
86	Determination of the insecticide fenoxycarb in apple leaf samples by an enzyme-linked immunosorbent assay. Analytica Chimica Acta, 2003, 478, 271-280.	5.4	5
87	Evaluation of Purification Procedures of DNA from Maize-Meal Samples by Exploiting Different Analytical Techniques for the Assessment of DNA Quality. Annali Di Chimica, 2004, 94, 269-280.	0.6	5
88	Screening of a Combinatorial Library of Organic Polymers for the Solid-Phase Extraction of Patulin from Apple Juice. Toxins, 2017, 9, 174.	3.4	5
89	Reactivity of an immobilized anti-progesterone antiserum with homologous and heterologous progesteroneâ€"horseradish peroxidase conjugates. Analyst, The, 1999, 124, 313-318.	3.5	4
90	Synthetic peptides as artificial receptors towards proteins from genetically modified organisms. Biosensors and Bioelectronics, 2008, 24, 493-497.	10.1	4

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91	Mycotoxins in Food and Feed: Extraction, Analysis and Emerging Technologies for Rapid and on-Field Detection. Recent Patents on Food, Nutrition & Agriculture, 2010, 2, 140-153.	0.9	4
92	Functionalized TiO₂ Nanoparticles as Labels for Immunoassay. ChemistrySelect, 2016, 1, 2021-2027.	1.5	3
93	Full vs. partial competitive binding behaviour in molecularly imprinted polymers. The case for a chlorinated phenoxyacids-binding polymer. RSC Advances, 2016, 6, 78317-78321.	3.6	1
94	Selective enrichment of ailanthone from leaves of ailanthus altissima by tandem reverse phase/molecularly imprinted solid phase extraction. Microchemical Journal, 2020, 158, 105198.	4.5	1
95	Functionalized biopolymers as soluble macromolecular chelating agents. Annali Di Chimica, 2001, 91, 1-8.	0.6	0
96	The complexation of mercury (II) and organomercurial compounds by 8-hydroxyquinoline-bovine serum albumin conjugates. Annali Di Chimica, 2001, 91, 541-51.	0.6	0
97	Binding properties of a polyclonal antibody directed towards lead complexes. Annali Di Chimica, 2003, 93, 499-512.	0.6	0