Laura Anfossi

List of Publications by Year in descending order

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108046 124990 4,732 128 37 64 citations h-index g-index papers 132 132 132 5461 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Key criteria for engineering mycotoxin binding aptamers via computational simulations: Aflatoxin B1 as a case study. Biotechnology Journal, 2022, 17, e2100280.	1.8	8
2	Detailed epitope mapping of SARS-CoV-2 nucleoprotein reveals specific immunoresponse in cats and dogs housed with COVID-19 patients. Research in Veterinary Science, 2022, 143, 81-87.	0.9	3
3	Design of multiplexing lateral flow immunoassay for detection and typing of foot-and-mouth disease virus using pan-reactive and serotype-specific monoclonal antibodies: Evidence of a new hook effect. Talanta, 2022, 240, 123155.	2.9	12
4	Bacterial ligands as flexible and sensitive detectors in rapid tests for antibodies to SARS-CoV-2. Analytical and Bioanalytical Chemistry, 2022, 414, 5473-5482.	1.9	4
5	Rabbit IgG-imprinted nanoMIPs by solid phase synthesis: the effect of cross-linkers on their affinity and selectivity. Journal of Materials Chemistry B, 2022, 10, 6724-6731.	2.9	4
6	Development of a nano-bioplatform for SARS-CoV-2 specific antigens detection. , 2022, , .		0
7	A multi-target lateral flow immunoassay enabling the specific and sensitive detection of total antibodies to SARS COV-2. Talanta, 2021, 223, 121737.	2.9	63
8	Dual lateral flow optical/chemiluminescence immunosensors for the rapid detection of salivary and serum IgA in patients with COVID-19 disease. Biosensors and Bioelectronics, 2021, 172, 112765.	5.3	141
9	Glargine insulin loaded lipid nanoparticles: Oral delivery of liquid and solid oral dosage forms. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 691-698.	1.1	10
10	Use of some cost-effective technologies for a routine clinical pathology laboratory. Lab on A Chip, 2021, 21, 4330-4351.	3.1	8
11	Extraction of short chain chitooligosaccharides from fungal biomass and their use as promoters of arbuscular mycorrhizal symbiosis. Scientific Reports, 2021, 11, 3798.	1.6	11
12	Recent Advancements in Enzyme-Based Lateral Flow Immunoassays. Sensors, 2021, 21, 3358.	2.1	39
13	Effect of experimental conditions on the binding abilities of ciprofloxacin-imprinted nanoparticles prepared by solid-phase synthesis. Reactive and Functional Polymers, 2021, 163, 104893.	2.0	9
14	Smartphone biosensor for point-of-need chemiluminescence detection of ochratoxin A in wine and coffee. Analytica Chimica Acta, 2021, 1163, 338515.	2.6	40
15	Ten Years of Lateral Flow Immunoassay Technique Applications: Trends, Challenges and Future Perspectives. Sensors, 2021, 21, 5185.	2.1	182
16	Negative media portrayals of immigrants increase ingroup favoritism and hostile physiological and emotional reactions. Scientific Reports, 2021, 11, 16407.	1.6	14
17	Effect of Polymerization Time on the Binding Properties of Ciprofloxacin-Imprinted nanoMIPs Prepared by Solid-Phase Synthesis. Polymers, 2021, 13, 2656.	2.0	6
18	NanoMIP-Based Solid Phase Extraction of Fluoroquinolones from Human Urine: A Proof-of-Concept Study. Separations, 2021, 8, 226.	1.1	6

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19	Detection of urinary prostate specific antigen by a lateral flow biosensor predicting repeat prostate biopsy outcome. Sensors and Actuators B: Chemical, 2020, 325, 128812.	4.0	13
20	Stoichiometric molecular imprinting using polymerisable urea and squaramide receptors for the solid phase extraction of organo-arsenic compound roxarsone. Analytical Methods, 2020, 12, 5729-5736.	1.3	6
21	Switching from Multiplex to Multimodal Colorimetric Lateral Flow Immunosensor. Sensors, 2020, 20, 6609.	2.1	11
22	Reference ranges of late-night salivary cortisol and cortisone measured by LC–MS/MS and accuracy for the diagnosis of Cushing's syndrome. Journal of Endocrinological Investigation, 2020, 43, 1797-1806.	1.8	14
23	Monoclonal antibodies with subnanomolar affinity to tenofovir for monitoring adherence to antiretroviral therapies: from hapten synthesis to prototype development. Journal of Materials Chemistry B, 2020, 8, 10439-10449.	2.9	3
24	Delayed Addition of Template Molecules Enhances the Binding Properties of Diclofenac-Imprinted Polymers. Polymers, 2020, 12, 1178.	2.0	6
25	Chemiluminescence Biosensor for Non-invasive Crew Health Monitoring at the International Space Station. Aerotecnica Missili & Spazio, 2020, 99, 103-109.	0.5	1
26	Selective enrichment of ailanthone from leaves of ailanthus altissima by tandem reverse phase/molecularly imprinted solid phase extraction. Microchemical Journal, 2020, 158, 105198.	2.3	1
27	In silico maturation of affinity and selectivity of DNA aptamers against aflatoxin B1 for biosensor development. Analytica Chimica Acta, 2020, 1105, 178-186.	2.6	33
28	Enzyme Immunoassay for Measuring Aflatoxin B1 in Legal Cannabis. Toxins, 2020, 12, 265.	1.5	12
29	Direct vs Mediated Coupling of Antibodies to Gold Nanoparticles: The Case of Salivary Cortisol Detection by Lateral Flow Immunoassay. ACS Applied Materials & Samp; Interfaces, 2019, 11, 32758-32768.	4.0	60
30	Amine-rich carbon nitride nanoparticles: Synthesis, covalent functionalization with proteins and application in a fluorescence quenching assay. Nano Research, 2019, 12, 1862-1870.	5.8	14
31	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.	1.3	21
32	Multiplex Lateral Flow Immunoassay: An Overview of Strategies towards High-throughput Point-of-Need Testing. Biosensors, 2019, 9, 2.	2.3	133
33	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.	1.9	73
34	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.	2.9	89
35	Chemiluminescence-based biosensor for monitoring astronauts' health status during space missions: Results from the International Space Station. Biosensors and Bioelectronics, 2019, 129, 260-268.	5.3	41
36	A versatile and sensitive lateral flow immunoassay for the rapid diagnosis of visceral leishmaniasis. Analytical and Bioanalytical Chemistry, 2018, 410, 4123-4134.	1.9	35

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37	Miniaturized Biosensors to Preserve and Monitor Cultural Heritage: from Medical to Conservation Diagnosis. Angewandte Chemie - International Edition, 2018, 57, 7385-7389.	7.2	22
38	Miniaturized Biosensors to Preserve and Monitor Cultural Heritage: from Medical to Conservation Diagnosis. Angewandte Chemie, 2018, 130, 7507-7511.	1.6	11
39	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.	2.5	93
40	Non-competitive immunoassay for low-molecular-weight contaminant detection in food, feed and agricultural products: A mini-review. Trends in Food Science and Technology, 2018, 71, 181-187.	7.8	32
41	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.	2.0	12
42	Effect of weather conditions and presence of visitors on adrenocortical activity in captive African penguins (Spheniscus demersus). General and Comparative Endocrinology, 2017, 242, 49-58.	0.8	25
43	Multicolor immunochromatographic strip test based on gold nanoparticles for the determination of aflatoxin B1 and fumonisins. Mikrochimica Acta, 2017, 184, 1295-1304.	2.5	67
44	Screening of a Combinatorial Library of Organic Polymers for the Solid-Phase Extraction of Patulin from Apple Juice. Toxins, 2017, 9, 174.	1.5	5
45	IMMUNOASSAYS, APPLICATIONS Food â~†., 2017, , 25-25.		1
46	Carboxylated graphene–TiO2 hybrids as multifunctional materials: from photocatalysis to peroxidase alternatives. RSC Advances, 2016, 6, 49845-49851.	1.7	2
47	Functionalized TiO ₂ Nanoparticles as Labels for Immunoassay. ChemistrySelect, 2016, 1, 2021-2027.	0.7	3
48	Full vs. partial competitive binding behaviour in molecularly imprinted polymers. The case for a chlorinated phenoxyacids-binding polymer. RSC Advances, 2016, 6, 78317-78321.	1.7	1
49	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.	1.2	18
50	Chemiluminescence lateral flow immunoassay cartridge with integrated amorphous silicon photosensors array for human serum albumin detection in urine samples. Analytical and Bioanalytical Chemistry, 2016, 408, 8869-8879.	1.9	46
51	A fluorescent immunochromatographic strip test using Quantum Dots for fumonisins detection. Talanta, 2016, 150, 463-468.	2.9	66
52	Mycotoxin detection. Current Opinion in Biotechnology, 2016, 37, 120-126.	3.3	192
53	Comparison of binding behavior for molecularly imprinted polymers prepared by hierarchical imprinting or Pickering emulsion polymerization. Journal of Separation Science, 2015, 38, 3661-3668.	1.3	9
54	Man-Made Synthetic Receptors for Capture and Analysis of Ochratoxin A. Toxins, 2015, 7, 4083-4098.	1.5	13

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55	Enzyme immunoassay for monitoring aflatoxins in eggs. Food Control, 2015, 57, 115-121.	2.8	24
56	Development and validation of an indirect ELISA as a confirmatory test for surveillance of infectious bovine rhinotracheitis in vaccinated herds. BMC Veterinary Research, 2015, 11, 300.	0.7	15
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.	2.9	18
58	Non-invasive monitoring of adrenocortical activity in captive African Penguin (Spheniscus demersus) by measuring faecal glucocorticoid metabolites. General and Comparative Endocrinology, 2015, 224, 104-112.	0.8	14
59	A multiplex chemiluminescent biosensor for type B-fumonisins and aflatoxin B1 quantitative detection in maize flour. Analyst, The, 2015, 140, 358-365.	1.7	71
60	A simple and compact smartphone accessory for quantitative chemiluminescence-based lateral flow immunoassay for salivary cortisol detection. Biosensors and Bioelectronics, 2015, 64, 63-68.	5. 3	309
61	A broad-selective enzyme immunoassay for non-invasive stress assessment in African penguins (Spheniscus demersus) held in captivity. Analytical Methods, 2014, 6, 8222-8231.	1.3	11
62	Multi-analyte homogenous immunoassay based on quenching of quantum dots by functionalized graphene. Analytical and Bioanalytical Chemistry, 2014, 406, 4841-4849.	1.9	19
63	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.	2.4	72
64	Lateral-flow immunoassays for mycotoxins and phycotoxins: a review. Analytical and Bioanalytical Chemistry, 2013, 405, 467-480.	1.9	179
65	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.	2.5	18
66	Increased sensitivity of lateral flow immunoassay for ochratoxin A through silver enhancement. Analytical and Bioanalytical Chemistry, 2013, 405, 9859-9867.	1.9	112
67	Optimization of a lateral flow immunoassay for the ultrasensitive detection of aflatoxin M1 in milk. Analytica Chimica Acta, 2013, 772, 75-80.	2.6	79
68	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.	2.0	15
69	MIP-based immunoassays: State of the Art, limitations and Perspectives. Molecular Imprinting, 2013, 1, .	1.8	25
70	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.	2.4	55
71	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.	2.9	11
72	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.	6.6	141

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73	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.	2.8	39
74	An innovative approach to molecularly imprinted capillaries for polar templates by grafting polymerization. Journal of Molecular Recognition, 2012, 25, 377-382.	1.1	7
75	Chemiluminescence-based biosensor for fumonisins quantitative detection in maize samples. Biosensors and Bioelectronics, 2012, 32, 283-287.	5.3	69
76	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.	1.1	54
77	A lateral flow immunoassay for measuring ochratoxin A: Development of a single system for maize, wheat and durum wheat. Food Control, 2011, 22, 1965-1970.	2.8	66
78	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.	1.8	19
79	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.	1.9	48
80	Development and application of a quantitative lateral flow immunoassay for fumonisins in maize. Analytica Chimica Acta, 2010, 682, 104-109.	2.6	81
81	Molecularly imprinted polymers for corticosteroids: Analysis of binding selectivity. Biosensors and Bioelectronics, 2010, 26, 590-595.	5. 3	26
82	Mycotoxins in Food and Feed: Extraction, Analysis and Emerging Technologies for Rapid and on-Field Detection. Recent Patents on Food, Nutrition & Empty Agriculture, 2010, 2, 140-153.	0.5	7
83	Mycotoxins in Food and Feed: Extraction, Analysis and Emerging Technologies for Rapid and on-Field Detection. Recent Patents on Food, Nutrition & Samp; Agriculture, 2010, 2, 140-153.	0.5	4
84	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.	1.1	35
85	Molecular Recognition of the Fungicide Carbendazim by a Molecular Imprinted Polymer Obtained through a Mimic Template Approach. Analytical Letters, 2009, 42, 807-820.	1.0	7
86	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.	1.3	67
87	Homogeneous immunoassay based on gold nanoparticles and visible absorption detection. Analytical and Bioanalytical Chemistry, 2009, 394, 507-512.	1.9	21
88	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.	1.9	29
89	Aptamers and molecularly imprinted polymers as artificial biomimetic receptors in affinity capillary electrophoresis and electrochromatography. Electrophoresis, 2008, 29, 3349-3365.	1.3	32
90	Synthetic peptides as artificial receptors towards proteins from genetically modified organisms. Biosensors and Bioelectronics, 2008, 24, 493-497.	5. 3	4

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91	Molecular imprinted polymers as synthetic receptors for the analysis of myco- and phyco-toxins. Analyst, The, 2008, 133, 719.	1.7	42
92	Development and Application of Solvent-free Extraction for the Detection of Aflatoxin M ₁ in Dairy Products by Enzyme Immunoassay. Journal of Agricultural and Food Chemistry, 2008, 56, 1852-1857.	2.4	71
93	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.	1.8	24
94	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.	1.8	51
95	Solid phase extraction of food contaminants using molecular imprinted polymers. Analytica Chimica Acta, 2007, 591, 29-39.	2.6	234
96	Molecular recognition of polycyclic aromatic hydrocarbons by pyrene-imprinted microspheres. Analytical and Bioanalytical Chemistry, 2007, 389, 413-422.	1.9	25
97	Degradation of Pyrimethanil in Soil: Influence of Light, Oxygen, and Microbial Activity. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2006, 41, 67-80.	0.7	21
98	Degradation of anilinopyrimidine fungicides photoinduced by iron(III)–polycarboxylate complexes. Pest Management Science, 2006, 62, 872-879.	1.7	20
99	Molecular Imprinted Polymers: Useful Tools for Pharmaceutical Analysis. Current Pharmaceutical Analysis, 2006, 2, 219-247.	0.3	22
100	Selectivity features of molecularly imprinted polymers recognising the carbamate group. Analytica Chimica Acta, 2005, 531, 199-207.	2.6	36
101	Comparison of pyrimethanil-imprinted beads and bulk polymer as stationary phase by non-linear chromatography. Analytica Chimica Acta, 2005, 542, 125-134.	2.6	34
102	Effects of surface hydrophobicity on the catalytic iron ion retention in the active site of two catechol 1,2-dioxygenase isoenzymes. BioMetals, 2004, 17, 699-706.	1.8	6
103	EVALUATION OF PROCEDURES FOR THE EXTRACTION AND PURIFICATION OF NEOMYCIN PHOSPHOTRANSFERASE II FROM A GENETICALLY MODIFIED AGROBACTERIUM. Annali Di Chimica, 2004, 94, 93-99.	0.6	0
104	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
105	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.	1.3	14
106	Adsorption isotherms of a molecular imprinted polymer prepared in the presence of a polymerisable template. Analytica Chimica Acta, 2004, 504, 43-52.	2.6	81
107	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.	1.2	27
108	Development of a non-competitive immunoassay for monitoring DDT, its metabolites and analogues in water samples. Analytica Chimica Acta, 2004, 506, 87-95.	2.6	30

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109	Increased sensitivity of autoantibody determination by coupled-particle light-scattering assay by poly(ethylene glycols)-modified beads. Analytica Chimica Acta, 2004, 510, 153-161.	2.6	6
110	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.	2.9	60
111	A combinatorial approach to obtain affinity media with binding properties towards the aflatoxins. Analytical and Bioanalytical Chemistry, 2003, 375, 994-999.	1.9	28
112	Determination of the insecticide fenoxycarb in apple leaf samples by an enzyme-linked immunosorbent assay. Analytica Chimica Acta, 2003, 478, 271-280.	2.6	5
113	Molecular recognition properties of peptide mixtures obtained by polymerisation of amino acids in the presence of estradiol. Analytica Chimica Acta, 2003, 481, 41-53.	2.6	11
114	Affinity chromatography techniques based on the immobilisation of peptides exhibiting specific binding activity. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 797, 289-304.	1.2	37
115	Binding properties of a polyclonal antibody directed towards lead complexes. Annali Di Chimica, 2003, 93, 499-512.	0.6	0
116	New immunochemical approach to low-molecular-mass analytes determination. Talanta, 2002, 57, 203-212.	2.9	4
117	Catalytic and spectroscopic characterisation of a copper-substituted alcohol dehydrogenase from yeast. International Journal of Biological Macromolecules, 2002, 30, 41-45.	3 . 6	16
118	Chromatographic characterisation of an estrogen-binding affinity column containing tetrapeptides selected by a combinatorial-binding approach. Journal of Chromatography A, 2002, 966, 71-79.	1.8	25
119	Development of a non-competitive immunoassay for cortisol and its application to the analysis of saliva. Analytica Chimica Acta, 2002, 468, 315-321.	2.6	25
120	Molecularly imprinted solid-phase extraction sorbent for the clean-up of chlorinated phenoxyacids from aqueous samples. Journal of Chromatography A, 2001, 938, 35-44.	1.8	150
121	Functionalized biopolymers as soluble macromolecular chelating agents. Annali Di Chimica, 2001, 91, 1-8.	0.6	0
122	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
123	Effect of homologous and heterologous spacer arms of progesterone — horse radish peroxidase conjugates on the equilibrium constants for an immobilised anti-progesterone antiserum. Analytica Chimica Acta, 2000, 417, 95-100.	2.6	6
124	Properties of a cobalt-reactivated form of yeast alcohol dehydrogenase. Journal of Molecular Catalysis B: Enzymatic, 2000, 9, 283-291.	1.8	13
125	Estradiol binding synthetic polypeptides. Chemical Communications, 2000, , 1135-1136.	2.2	9
126	A General Method To Perform a Noncompetitive Immunoassay for Small Molecules. Analytical Chemistry, 1999, 71, 4697-4700.	3.2	32

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127	Lateral Flow Immunoassays for Aflatoxins B and G and for Aflatoxin M1., 0,,.		7
128	Introductory Chapter: Rapid Test - Advances in Design, Formats, and Detection Strategies. , 0, , .		0