Luis Antonio Tortajada-Genaro

List of Publications by Year
in descending order

61 papers	1,256 citations	331670 21 h-index	395702 33 g-index
64 all docs	64 docs citations	64 times ranked	1701 citing authors

#	Article	IF	Citations
1	Design of Oligonucleotides for Allele-Specific Amplification Based on PCR and Isothermal Techniques. Methods in Molecular Biology, 2022, 2392, 35-51.	0.9	2
2	DNA Genotyping Based on Isothermal Amplification and Colorimetric Detection by Consumer Electronics Devices. Methods in Molecular Biology, 2022, 2393, 163-178.	0.9	0
3	A genosensor for detecting single-point mutations in dendron chips after blocked recombinase polymerase amplification. Analyst, The, 2022, 147, 2180-2188.	3.5	3
4	Discrimination of Single-Nucleotide Variants Based on an Allele-Specific Hybridization Chain Reaction and Smartphone Detection. ACS Sensors, 2022, 7, 758-765.	7.8	13
5	Fast DNA biosensing based on isothermal amplification, unmodified gold nanoparticles, and smartphone detection. Food Control, 2022, 137, 108943.	5.5	2
6	Multi-Oxygenated Organic Compounds in Fine Particulate Matter Collected in the Western Mediterranean Area. Atmosphere, 2021, 12, 94.	2.3	1
7	Enhanced asymmetric blocked qPCR method for affordable detection of point mutations in KRAS oncogene. Analytical and Bioanalytical Chemistry, 2021, 413, 2961-2969.	3.7	3
8	Students' perception on learning methods in engineering disciplines. Journal of Applied Research in Higher Education, 2021, ahead-of-print, .	1.9	3
9	On-line solid phase microextraction derivatization for the sensitive determination of multi-oxygenated volatile compounds in air. Atmospheric Measurement Techniques, 2021, 14, 4989-4999.	3.1	3
10	Surface coupling of oligo-functionalized dendrimers to detect DNA mutations after blocked isothermal amplification. Microchemical Journal, 2021, 169, 106546.	4.5	2
11	Multiple recombinase polymerase amplification and low-cost array technology for the screening of genetically modified organisms. Journal of Food Composition and Analysis, 2021, 103, 104083.	3.9	4
12	Biosensors for food allergy detection according to specific IgE levels in serum. TrAC - Trends in Analytical Chemistry, 2020, 127, 115904.	11.4	19
13	Allele-specific ligation and recombinase polymerase amplification for the detection of single nucleotide polymorphisms. Sensors and Actuators B: Chemical, 2019, 298, 126877.	7.8	27
14	Magnetic concentration of allele-specific products from recombinase polymerase amplification. Analytica Chimica Acta, 2019, 1092, 49-56.	5.4	7
15	Digital versatile discs as platforms for multiplexed genotyping based on selective ligation and universal microarray detection. Analyst, The, 2019, 144, 707-715.	3.5	6
16	Consumer electronics devices for DNA genotyping based on loop-mediated isothermal amplification and array hybridisation. Talanta, 2019, 198, 424-431.	5.5	11
17	Blocked recombinase polymerase amplification for mutation analysis of PIK3CA gene. Analytical Biochemistry, 2018, 544, 49-56.	2.4	25
18	Polymorphism genotyping based on loop-mediated isothermal amplification and smartphone detection. Biosensors and Bioelectronics, 2018, 109, 177-183.	10.1	36

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19	Editorial for Analytical Biochemistry special issue on RPA. Analytical Biochemistry, 2018, 556, 125-128.	2.4	0
20	Low-cost genotyping method based on allele-specific recombinase polymerase amplification and colorimetric microarray detection. Mikrochimica Acta, 2017, 184, 1453-1462.	5.0	47
21	Primer design for SNP genotyping based on allele-specific amplificationâ€"Application to organ transplantation pharmacogenomics. Journal of Pharmaceutical and Biomedical Analysis, 2017, 136, 14-21.	2.8	9
22	Parallel solid-phase isothermal amplification and detection of multiple DNA targets in microliter-sized wells of a digital versatile disc. Mikrochimica Acta, 2016, 183, 1195-1202.	5.0	23
23	Genotyping of single nucleotide polymorphisms related to attention-deficit hyperactivity disorder. Analytical and Bioanalytical Chemistry, 2016, 408, 2339-2345.	3.7	10
24	Determination of reduced sulfur compounds in air samples for the monitoring of malodor caused by landfills. Talanta, 2016, 148, 472-477.	5.5	21
25	Real-time loop-mediated isothermal DNA amplification in compact disc micro-reactors. Biosensors and Bioelectronics, 2016, 79, 300-306.	10.1	32
26	Microarray Developed on Plastic Substrates. Methods in Molecular Biology, 2016, 1368, 37-51.	0.9	7
27	Gas-phase and particulate products from the atmospheric degradation of the organothiophosphorus insecticide chlorpyrifos-methyl. Chemosphere, 2015, 138, 888-894.	8.2	17
28	Isothermal solid-phase recombinase polymerase amplification on microfluidic digital versatile discs (DVDs). RSC Advances, 2015, 5, 29987-29995.	3.6	37
29	Microarray on digital versatile disc for identification and genotyping of Salmonella and Campylobacter in meat products. Analytical and Bioanalytical Chemistry, 2015, 407, 7285-7294.	3.7	11
30	Isothermal DNA amplification strategies for duplex microorganism detection. Food Chemistry, 2015, 174, 509-515.	8.2	46
31	Array-on-a-disk? How Blu-ray technology can be applied to molecular diagnostics. Expert Review of Molecular Diagnostics, 2014, 14, 773-775.	3.1	12
32	One-pot isothermal DNA amplification â€“ Hybridisation and detection by a disc-based method. Sensors and Actuators B: Chemical, 2014, 204, 273-281.	7.8	27
33	Recombinase polymerase and enzyme-linked immunosorbent assay as a DNA amplification-detection strategy for food analysis. Analytica Chimica Acta, 2014, 811, 81-87.	5.4	97
34	Gas-phase and particulate products from the atmospheric degradation of an isoxazole fungicide. Chemosphere, 2013, 92, 1035-1041.	8.2	8
35	Determination of oxygenated compounds in secondary organic aerosol from isoprene and toluene smog chamber experiments. International Journal of Environmental Analytical Chemistry, 2012, 92, 110-124.	3.3	29
36	Detection of food-borne pathogens with DNA arrays on disk. Talanta, 2012, 101, 405-412.	5.5	26

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37	Multiplex DNA Detection of Food Allergens on a Digital Versatile Disk. Journal of Agricultural and Food Chemistry, 2012, 60, 36-43.	5.2	51
38	Determination of <scp>l</scp>-Ascorbic Acid in Tomato by Capillary Electrophoresis. Journal of Chemical Education, 2012, 89, 1194-1197.	2.3	13
39	Secondary organic aerosol formation from the photo-oxidation of benzene. Atmospheric Environment, 2012, 47, 154-163.	4.1	92
40	Development of a gas chromatography â€" mass spectrometry method for the determination of carbon disulfide in the atmosphere. Microchemical Journal, 2012, 101, 37-42.	4.5	13
41	Temperature effect of tapered element oscillating microbalance (TEOM) system measuring semi-volatile organic particulate matter. Journal of Environmental Monitoring, 2011, 13, 1017.	2.1	15
42	Development of a gas chromatographyâ€"mass spectrometry method for the determination of pesticides in gaseous and particulate phases in the atmosphere. Analytica Chimica Acta, 2011, 699, 57-65.	5.4	71
43	Polycyclic aromatic hydrocarbon exhaust emissions from different reformulated diesel fuels and engine operating conditions. Atmospheric Environment, 2009, 43, 5944-5952.	4.1	86
44	Multiplexed Microimmunoassays on a Digital Versatile Disk. Analytical Chemistry, 2009, 81, 5646-5654.	6.5	63
45	Selection of Calibration Standard Concentrations for Determination of Intact-PTH by Immunoradiometric Assay. Journal of Immunoassay and Immunochemistry, 2008, 29, 307-318.	1.1	0
46	Immunoradiometric determination of thyroglobulin in serum samples by time calibration transfer. Clinical Chemistry and Laboratory Medicine, 2008, 46, 1416-22.	2.3	0
47	Multivariate standardisation for non-linear calibration range in the chemiluminescence determination of chromium. Talanta, 2007, 72, 1004-1012.	5.5	4
48	Comparison of immunoradiometric assays for determination of thyroglobulin: a validation study. Journal of Clinical Laboratory Analysis, 2007, 21, 147-153.	2.1	4
49	Characterisation of polycyclic aromatic hydrocarbons in atmospheric aerosols by gas chromatographyâ€"mass spectrometry. Analytica Chimica Acta, 2007, 583, 266-276.	5.4	25
50	Unbiased spectrophotometric method for estimating phenol or o-cresol in unknown water samples. Analytical and Bioanalytical Chemistry, 2003, 376, 413-421.	3.7	3
51	Analyser of chromium and/or cobalt. Analytica Chimica Acta, 2003, 488, 243-254.	5.4	16
52	Influence of water sample storage protocols in chemiluminescence detection of trace elements. Talanta, 2003, 60, 257-268.	5.5	11
53	A Guide to Avoid Method Bias of Chromium (III, VI) Chemiluminescence Determination by Luminol-Hydrogen Peroxide Reaction - Application to Water Samples. International Journal of Environmental Analytical Chemistry, 2003, 83, 405-416.	3.3	11
54	Multivariate calibration applied to simultaneous chemiluminescence determination of cobalt and chromium. Analytical and Bioanalytical Chemistry, 2002, 374, 1223-1229.	3.7	11

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55	A new flow cell design for chemiluminiscence analysis. Talanta, 2001, 55, 403-413.	5.5	21
56	Creatinine determination in urine samples by batchwise kinetic procedure and flow injection analysis using the JaffÃ© reaction: chemometric study. Talanta, 2001, 55, 1079-1089.	5.5	60
57	Spectrophotometric Determination of Phenols in Water Samples by the GHPSAM Method. International Journal of Environmental Analytical Chemistry, 2001, 79, 241-256.	3.3	2
58	o-Phthalaldehydeâ€“N-acetylcysteine polyamine derivatives: formation and stability in solution and in C18 supports. Biomedical Applications, 2001, 759, 285-297.	1.7	22
59	Multivariate versus univariate calibration for nonlinear chemiluminescence data. Analytica Chimica Acta, 2001, 450, 155-173.	5.4	13
60	The generalized H-point standard-additions method to determine analytes present in two different chemical forms in unknown matrix samples. Part I. General considerations. Analyst, The, 2000, 125, 771-776.	3.5	12
61	The generalized H-point standard-additions method to determine analytes present in two different chemical forms in unknown matrix samples. Part II. Cr(vi) determination in water samples by absorption spectrophotometry. Analyst, The, 2000, 125, 777-782.	3.5	10