

Luis Antonio Tortajada-Genaro

List of Publications by Year in descending order

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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	Recombinase polymerase and enzyme-linked immunosorbent assay as a DNA amplification-detection strategy for food analysis. <i>Analytica Chimica Acta</i> , 2014, 811, 81-87.	5.4	97
2	Secondary organic aerosol formation from the photo-oxidation of benzene. <i>Atmospheric Environment</i> , 2012, 47, 154-163.	4.1	92
3	Polycyclic aromatic hydrocarbon exhaust emissions from different reformulated diesel fuels and engine operating conditions. <i>Atmospheric Environment</i> , 2009, 43, 5944-5952.	4.1	86
4	Development of a gas chromatography-mass spectrometry method for the determination of pesticides in gaseous and particulate phases in the atmosphere. <i>Analytica Chimica Acta</i> , 2011, 699, 57-65.	5.4	71
5	Multiplexed Microimmunoassays on a Digital Versatile Disk. <i>Analytical Chemistry</i> , 2009, 81, 5646-5654.	6.5	63
6	Creatinine determination in urine samples by batchwise kinetic procedure and flow injection analysis using the Jaffé reaction: chemometric study. <i>Talanta</i> , 2001, 55, 1079-1089.	5.5	60
7	Multiplex DNA Detection of Food Allergens on a Digital Versatile Disk. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 36-43.	5.2	51
8	Low-cost genotyping method based on allele-specific recombinase polymerase amplification and colorimetric microarray detection. <i>Mikrochimica Acta</i> , 2017, 184, 1453-1462.	5.0	47
9	Isothermal DNA amplification strategies for duplex microorganism detection. <i>Food Chemistry</i> , 2015, 174, 509-515.	8.2	46
10	Isothermal solid-phase recombinase polymerase amplification on microfluidic digital versatile discs (DVDs). <i>RSC Advances</i> , 2015, 5, 29987-29995.	3.6	37
11	Polymorphism genotyping based on loop-mediated isothermal amplification and smartphone detection. <i>Biosensors and Bioelectronics</i> , 2018, 109, 177-183.	10.1	36
12	Real-time loop-mediated isothermal DNA amplification in compact disc micro-reactors. <i>Biosensors and Bioelectronics</i> , 2016, 79, 300-306.	10.1	32
13	Determination of oxygenated compounds in secondary organic aerosol from isoprene and toluene smog chamber experiments. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 110-124.	3.3	29
14	One-pot isothermal DNA amplification and Hybridisation and detection by a disc-based method. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 273-281.	7.8	27
15	Allele-specific ligation and recombinase polymerase amplification for the detection of single nucleotide polymorphisms. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126877.	7.8	27
16	Detection of food-borne pathogens with DNA arrays on disk. <i>Talanta</i> , 2012, 101, 405-412.	5.5	26
17	Characterisation of polycyclic aromatic hydrocarbons in atmospheric aerosols by gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2007, 583, 266-276.	5.4	25
18	Blocked recombinase polymerase amplification for mutation analysis of PIK3CA gene. <i>Analytical Biochemistry</i> , 2018, 544, 49-56.	2.4	25

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19	Parallel solid-phase isothermal amplification and detection of multiple DNA targets in microliter-sized wells of a digital versatile disc. <i>Mikrochimica Acta</i> , 2016, 183, 1195-1202.	5.0	23
20	o-Phthalaldehyde- ¹⁴ C-N-acetylcysteine polyamine derivatives: formation and stability in solution and in C18 supports. <i>Biomedical Applications</i> , 2001, 759, 285-297.	1.7	22
21	A new flow cell design for chemiluminescence analysis. <i>Talanta</i> , 2001, 55, 403-413.	5.5	21
22	Determination of reduced sulfur compounds in air samples for the monitoring of malodor caused by landfills. <i>Talanta</i> , 2016, 148, 472-477.	5.5	21
23	Biosensors for food allergy detection according to specific IgE levels in serum. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 127, 115904.	11.4	19
24	Gas-phase and particulate products from the atmospheric degradation of the organothiophosphorus insecticide chlorpyrifos-methyl. <i>Chemosphere</i> , 2015, 138, 888-894.	8.2	17
25	Analyser of chromium and/or cobalt. <i>Analytica Chimica Acta</i> , 2003, 488, 243-254.	5.4	16
26	Temperature effect of tapered element oscillating microbalance (TEOM) system measuring semi-volatile organic particulate matter. <i>Journal of Environmental Monitoring</i> , 2011, 13, 1017.	2.1	15
27	Multivariate versus univariate calibration for nonlinear chemiluminescence data. <i>Analytica Chimica Acta</i> , 2001, 450, 155-173.	5.4	13
28	Determination of α -Ascorbic Acid in Tomato by Capillary Electrophoresis. <i>Journal of Chemical Education</i> , 2012, 89, 1194-1197.	2.3	13
29	Development of a gas chromatography-mass spectrometry method for the determination of carbon disulfide in the atmosphere. <i>Microchemical Journal</i> , 2012, 101, 37-42.	4.5	13
30	Discrimination of Single-Nucleotide Variants Based on an Allele-Specific Hybridization Chain Reaction and Smartphone Detection. <i>ACS Sensors</i> , 2022, 7, 758-765.	7.8	13
31	The generalized H-point standard-additions method to determine analytes present in two different chemical forms in unknown matrix samples. Part I. General considerations. <i>Analyst</i> , 2000, 125, 771-776.	3.5	12
32	Array-on-a-disk? How Blu-ray technology can be applied to molecular diagnostics. <i>Expert Review of Molecular Diagnostics</i> , 2014, 14, 773-775.	3.1	12
33	Multivariate calibration applied to simultaneous chemiluminescence determination of cobalt and chromium. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 1223-1229.	3.7	11
34	Influence of water sample storage protocols in chemiluminescence detection of trace elements. <i>Talanta</i> , 2003, 60, 257-268.	5.5	11
35	A Guide to Avoid Method Bias of Chromium (III, VI) Chemiluminescence Determination by Luminol-Hydrogen Peroxide Reaction - Application to Water Samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2003, 83, 405-416.	3.3	11
36	Microarray on digital versatile disc for identification and genotyping of <i>Salmonella</i> and <i>Campylobacter</i> in meat products. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7285-7294.	3.7	11

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37	Consumer electronics devices for DNA genotyping based on loop-mediated isothermal amplification and array hybridisation. <i>Talanta</i> , 2019, 198, 424-431.	5.5	11
38	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. <i>Analyst, The</i> , 2000, 125, 777-782.	3.5	10
39	Genotyping of single nucleotide polymorphisms related to attention-deficit hyperactivity disorder. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2339-2345.	3.7	10
40	Primer design for SNP genotyping based on allele-specific amplification—Application to organ transplantation pharmacogenomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 136, 14-21.	2.8	9
41	Gas-phase and particulate products from the atmospheric degradation of an isoxazole fungicide. <i>Chemosphere</i> , 2013, 92, 1035-1041.	8.2	8
42	Microarray Developed on Plastic Substrates. <i>Methods in Molecular Biology</i> , 2016, 1368, 37-51.	0.9	7
43	Magnetic concentration of allele-specific products from recombinase polymerase amplification. <i>Analytica Chimica Acta</i> , 2019, 1092, 49-56.	5.4	7
44	Digital versatile discs as platforms for multiplexed genotyping based on selective ligation and universal microarray detection. <i>Analyst, The</i> , 2019, 144, 707-715.	3.5	6
45	Multivariate standardisation for non-linear calibration range in the chemiluminescence determination of chromium. <i>Talanta</i> , 2007, 72, 1004-1012.	5.5	4
46	Comparison of immunoradiometric assays for determination of thyroglobulin: a validation study. <i>Journal of Clinical Laboratory Analysis</i> , 2007, 21, 147-153.	2.1	4
47	Multiple recombinase polymerase amplification and low-cost array technology for the screening of genetically modified organisms. <i>Journal of Food Composition and Analysis</i> , 2021, 103, 104083.	3.9	4
48	Unbiased spectrophotometric method for estimating phenol or o-cresol in unknown water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 413-421.	3.7	3
49	Enhanced asymmetric blocked qPCR method for affordable detection of point mutations in KRAS oncogene. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2961-2969.	3.7	3
50	Students' perception on learning methods in engineering disciplines. <i>Journal of Applied Research in Higher Education</i> , 2021, ahead-of-print, .	1.9	3
51	On-line solid phase microextraction derivatization for the sensitive determination of multi-oxygenated volatile compounds in air. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4989-4999.	3.1	3
52	A genosensor for detecting single-point mutations in dendron chips after blocked recombinase polymerase amplification. <i>Analyst, The</i> , 2022, 147, 2180-2188.	3.5	3
53	Spectrophotometric Determination of Phenols in Water Samples by the GHPSAM Method. <i>International Journal of Environmental Analytical Chemistry</i> , 2001, 79, 241-256.	3.3	2
54	Surface coupling of oligo-functionalized dendrimers to detect DNA mutations after blocked isothermal amplification. <i>Microchemical Journal</i> , 2021, 169, 106546.	4.5	2

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55	Design of Oligonucleotides for Allele-Specific Amplification Based on PCR and Isothermal Techniques. <i>Methods in Molecular Biology</i> , 2022, 2392, 35-51.	0.9	2
56	Fast DNA biosensing based on isothermal amplification, unmodified gold nanoparticles, and smartphone detection. <i>Food Control</i> , 2022, 137, 108943.	5.5	2
57	Multi-Oxygenated Organic Compounds in Fine Particulate Matter Collected in the Western Mediterranean Area. <i>Atmosphere</i> , 2021, 12, 94.	2.3	1
58	Selection of Calibration Standard Concentrations for Determination of Intact-PTH by Immunoradiometric Assay. <i>Journal of Immunoassay and Immunochemistry</i> , 2008, 29, 307-318.	1.1	0
59	Immunoradiometric determination of thyroglobulin in serum samples by time calibration transfer. <i>Clinical Chemistry and Laboratory Medicine</i> , 2008, 46, 1416-22.	2.3	0
60	Editorial for Analytical Biochemistry special issue on RPA. <i>Analytical Biochemistry</i> , 2018, 556, 125-128.	2.4	0
61	DNA Genotyping Based on Isothermal Amplification and Colorimetric Detection by Consumer Electronics Devices. <i>Methods in Molecular Biology</i> , 2022, 2393, 163-178.	0.9	0