

J-Pablo Salvador

List of Publications by Year in descending order

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49
papers

996
citations

471509

17
h-index

454955

30
g-index

51
all docs

51
docs citations

51
times ranked

1554
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanobody: outstanding features for diagnostic and therapeutic applications. Analytical and Bioanalytical Chemistry, 2019, 411, 1703-1713.	3.7	167
2	Development of Stable, Water-Dispersible, and Biofunctionalizable Superparamagnetic Iron Oxide Nanoparticles. Chemistry of Materials, 2011, 23, 2795-2802.	6.7	84
3	Ultrasensitive amperometric magnetoimmunosensor for human C-reactive protein quantification in serum. Sensors and Actuators B: Chemical, 2013, 188, 212-220.	7.8	68
4	Biosensors for pharmaceuticals based on novel technology. TrAC - Trends in Analytical Chemistry, 2011, 30, 541-553.	11.4	66
5	Colloidal-based localized surface plasmon resonance (LSPR) biosensor for the quantitative determination of stanozolol. Analytical and Bioanalytical Chemistry, 2008, 391, 1813-1820.	3.7	61
6	Rapid method based on immunoassay for determination of paraquat residues in wheat, barley and potato. Food Control, 2014, 41, 193-201.	5.5	45
7	Novel strategy for sulfapyridine detection using a fully integrated electrochemical Bio-MEMS: Application to honey analysis. Biosensors and Bioelectronics, 2017, 93, 282-288.	10.1	30
8	ASSURED Point-of-Need Food Safety Screening: A Critical Assessment of Portable Food Analyzers. Foods, 2021, 10, 1399.	4.3	28
9	Preparation of Antibodies for the Designer Steroid Tetrahydrogestrinone and Development of an Enzyme-Linked Immunosorbent Assay for Human Urine Analysis. Analytical Chemistry, 2007, 79, 3734-3740.	6.5	24
10	Mass spectrometric characterization of urinary toremifene metabolites for doping control analyses. Journal of Chromatography A, 2011, 1218, 4727-4737.	3.7	23
11	Nanoplasmonic biosensor device for the monitoring of acenocoumarol therapeutic drug in plasma. Biosensors and Bioelectronics, 2018, 119, 149-155.	10.1	22
12	Simultaneous immunochemical detection of stanozolol and the main human metabolite, 3 α -hydroxy-stanozolol, in urine and serum samples. Analytical Biochemistry, 2008, 376, 221-228.	2.4	21
13	Fluorescence site-encoded DNA addressable hapten microarray for anabolic androgenic steroids. TrAC - Trends in Analytical Chemistry, 2009, 28, 718-728.	11.4	21
14	Multiplexed immunoassay to detect anabolic androgenic steroids in human serum. Analytical and Bioanalytical Chemistry, 2012, 403, 1361-1371.	3.7	20
15	Electronic Anabolic Steroid Recognition with Carbon Nanotube Field-Effect Transistors. ACS Nano, 2010, 4, 1473-1480.	14.6	19
16	Design and fabrication of a COP -based microfluidic chip: Chronoamperometric detection of T -roponin T . Electrophoresis, 2012, 33, 3187-3194.	2.4	19
17	Multiplexed immunochemical techniques for the detection of pollutants in aquatic environments. TrAC - Trends in Analytical Chemistry, 2018, 106, 1-10.	11.4	18
18	Synthesis of Steroid-Oligonucleotide Conjugates for a DNA Site-Encoded SPR Immunosensor. Bioconjugate Chemistry, 2012, 23, 2183-2191.	3.6	16

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19	Two-photon fluorescent immunosensor for androgenic hormones using resonant grating waveguide structures. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 394-401.	7.8	16
20	A microfluidic device for the automated electrical readout of low-density glass-slide microarrays. <i>Biosensors and Bioelectronics</i> , 2015, 74, 698-704.	10.1	15
21	Multimodal plasmonic biosensing nanostructures prepared by DNA-directed immobilization of multifunctional DNA-gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017, 90, 13-22.	10.1	15
22	Immunoassay and amperometric biosensor approaches for the detection of deltamethrin in seawater. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5923-5930.	3.7	15
23	Light-induced mechanisms for nanocarrier's cargo release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 825-832.	5.0	15
24	A New Methodology for the Rational Design of Molecularly Imprinted Polymers. <i>Analytical Letters</i> , 2007, 40, 1294-1306.	1.8	13
25	Nonlinear immunofluorescent assay for androgenic hormones based on resonant structures. <i>Optics Express</i> , 2008, 16, 13315.	3.4	13
26	Enzyme-linked immunosorbent assays for therapeutic drug monitoring coumarin oral anticoagulants in plasma. <i>Analytica Chimica Acta</i> , 2018, 1028, 59-65.	5.4	13
27	Fluorescent microarray for multiplexed quantification of environmental contaminants in seawater samples. <i>Talanta</i> , 2018, 184, 499-506.	5.5	13
28	A high-throughput screening (HTS) immunochemical method for the analysis of stanozolol metabolites in cattle urine samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 243-252.	2.3	11
29	Immunochemical Determination of Pharmaceuticals and Personal Care Products as Emerging Pollutants. , 0 , 181-244.		10
30	Preliminary study for simultaneous detection and quantification of androgenic anabolic steroids using ELISA and pattern recognition techniques. <i>Analyst, The</i> , 2011, 136, 4045.	3.5	9
31	Amperometric Biosensor for Continuous Monitoring Irgarol 1051 in Sea Water. <i>Electroanalysis</i> , 2016, 28, 1833-1838.	2.9	9
32	Studies towards hcTnl Immunodetection Using Electrochemical Approaches Based on Magnetic Microbeads. <i>Sensors</i> , 2018, 18, 2457.	3.8	9
33	Development and validation of a multianalyte immunoassay for the quantification of environmental pollutants in seawater samples from the Catalonia coastal area. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5897-5907.	3.7	8
34	Production of Antibodies for the Quantitative Detection of the Anabolically Active Androgens 17 β -Boldenone and Methylboldenone. <i>Analytical Letters</i> , 2007, 40, 1461-1472.	1.8	7
35	A highly sensitive bio-barcode immunoassay for multi-residue detection of organophosphate pesticides based on fluorescence anti-quenching. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 637-644.	5.3	7
36	Chapter 2.8 Application of bioassays/biosensors for the analysis of pharmaceuticals in environmental samples. <i>Comprehensive Analytical Chemistry</i> , 2007, 50, 279-334.	1.3	6

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37	Competitive ELISA for N-terminal pro-brain natriuretic peptide (NT-proBNP) determination in human plasma. <i>Analyst, The</i> , 2020, 145, 6719-6727.	3.5	6
38	Immunochemical Determination of Industrial Emerging Pollutants. , 0, , 119-180.		5
39	Lipoprotein(a) determination in human serum using a nitrilotriacetic acid derivative immunosensing scaffold on disposable electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5379-5387.	3.7	5
40	Development of Novel Magneto-Biosensor for Sulfapyridine Detection. <i>Biosensors</i> , 2020, 10, 43.	4.7	5
41	Reusable conductimetric array of interdigitated microelectrodes for the readout of low-density microarrays. <i>Analytica Chimica Acta</i> , 2014, 832, 44-50.	5.4	3
42	New approach based on immunochemical techniques for monitoring of selective estrogen receptor modulators (SERMs) in human urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 156, 147-152.	2.8	3
43	Multiplexed Immunosensor Based on the Amperometric Transduction for Monitoring of Marine Pollutants in Sea Water. <i>Sensors</i> , 2020, 20, 5532.	3.8	3
44	High-sensitive nonlinear detection of steroids by resonant double grating waveguide structures-based immunosensors. , 2011, , .		2
45	Enhanced Bio-Barcode Immunoassay Using Droplet Digital PCR for Multiplex Detection of Organophosphate Pesticides. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 11131-11141.	5.2	2
46	Modular Optofluidic Systems (MOPS). , 2016, , .		1
47	Nanobiosensors for In Vitro and In Vivo Analysis of Biomolecules. <i>Methods in Molecular Biology</i> , 2012, 811, 207-221.	0.9	1
48	Development of a Fluorescent Microfluidic Device Based on Antibody Microarray Read-Out for Therapeutic Drug Monitoring of Acenocoumarol. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 848501.	4.1	1
49	Portable flow multiplexing device for continuous, in situ biodetection of environmental contaminants. <i>Sensing and Bio-Sensing Research</i> , 2022, 37, 100505.	4.2	0