

# J-Pablo Salvador

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	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
4	ASSURED Point-of-Need Food Safety Screening: A Critical Assessment of Portable Food Analyzers. <i>Foods</i> , 2021, 10, 1399.	4.3	28
5	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
6	Multiplexed Immunosensor Based on the Amperometric Transduction for Monitoring of Marine Pollutants in Sea Water. <i>Sensors</i> , 2020, 20, 5532.	3.8	3
7	Competitive ELISA for N-terminal pro-brain natriuretic peptide (NT-proBNP) determination in human plasma. <i>Analyst</i> , The, 2020, 145, 6719-6727.	3.5	6
8	Development of Novel Magneto-Biosensor for Sulfapyridine Detection. <i>Biosensors</i> , 2020, 10, 43.	4.7	5
9	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
10	Nanobody: outstanding features for diagnostic and therapeutic applications. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1703-1713.	3.7	167
11	Light-induced mechanisms for nanocarrier's cargo release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 825-832.	5.0	15
12	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
13	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
14	Fluorescent microarray for multiplexed quantification of environmental contaminants in seawater samples. <i>Talanta</i> , 2018, 184, 499-506.	5.5	13
15	Studies towards hcTnl Immunodetection Using Electrochemical Approaches Based on Magnetic Microbeads. <i>Sensors</i> , 2018, 18, 2457.	3.8	9
16	Multiplexed immunochemical techniques for the detection of pollutants in aquatic environments. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 106, 1-10.	11.4	18
17	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
18	Nanoplasmonic biosensor device for the monitoring of acenocoumarol therapeutic drug in plasma. <i>Biosensors and Bioelectronics</i> , 2018, 119, 149-155.	10.1	22

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19	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
20	Novel strategy for sulfapyridine detection using a fully integrated electrochemical Bio-MEMS: Application to honey analysis. <i>Biosensors and Bioelectronics</i> , 2017, 93, 282-288.	10.1	30
21	Modular Optofluidic Systems (MOPS). , 2016, , .		1
22	Amperometric Biosensor for Continuous Monitoring Irgarol 1051 in Sea Water. <i>Electroanalysis</i> , 2016, 28, 1833-1838.	2.9	9
23	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
24	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
25	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
26	Rapid method based on immunoassay for determination of paraquat residues in wheat, barley and potato. <i>Food Control</i> , 2014, 41, 193-201.	5.5	45
27	Ultrasensitive amperometric magnetoimmunosensor for human C-reactive protein quantification in serum. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 212-220.	7.8	68
28	Synthesis of Steroid- <sup>66</sup> Oligonucleotide Conjugates for a DNA Site-Encoded SPR Immunosensor. <i>Bioconjugate Chemistry</i> , 2012, 23, 2183-2191.	3.6	16
29	Design and fabrication of a <sup>66</sup> COP-based microfluidic chip: Chronoamperometric detection of <sup>66</sup> Troponin <sup>66</sup> T. <i>Electrophoresis</i> , 2012, 33, 3187-3194.	2.4	19
30	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
31	Multiplexed immunoassay to detect anabolic androgenic steroids in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1361-1371.	3.7	20
32	Nanobiosensors for In Vitro and In Vivo Analysis of Biomolecules. <i>Methods in Molecular Biology</i> , 2012, 811, 207-221.	0.9	1
33	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
34	Development of Stable, Water-Dispersible, and Biofunctionalizable Superparamagnetic Iron Oxide Nanoparticles. <i>Chemistry of Materials</i> , 2011, 23, 2795-2802.	6.7	84
35	Mass spectrometric characterization of urinary toremifene metabolites for doping control analyses. <i>Journal of Chromatography A</i> , 2011, 1218, 4727-4737.	3.7	23
36	Biosensors for pharmaceuticals based on novel technology. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 541-553.	11.4	66

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37	High-sensitive nonlinear detection of steroids by resonant double grating waveguide structures-based immunosensors. , 2011, , .		2
38	A high-throughput screening (HTS) immunochemical method for the analysis of stanozolol metabolites in cattle urine samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 243-252.	2.3	11
39	Electronic Anabolic Steroid Recognition with Carbon Nanotube Field-Effect Transistors. ACS Nano, 2010, 4, 1473-1480.	14.6	19
40	Fluorescence site-encoded DNA addressable hapten microarray for anabolic androgenic steroids. TrAC - Trends in Analytical Chemistry, 2009, 28, 718-728.	11.4	21
41	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
42	Simultaneous immunochemical detection of stanozolol and the main human metabolite, 3 $\alpha$ -hydroxy-stanozolol, in urine and serum samples. Analytical Biochemistry, 2008, 376, 221-228.	2.4	21
43	Nonlinear immunofluorescent assay for androgenic hormones based on resonant structures. Optics Express, 2008, 16, 13315.	3.4	13
44	Production of Antibodies for the Quantitative Detection of the Anabolically Active Androgens 17 $\beta$ -Boldenone and Methylboldenone. Analytical Letters, 2007, 40, 1461-1472.	1.8	7
45	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
46	A New Methodology for the Rational Design of Molecularly Imprinted Polymers. Analytical Letters, 2007, 40, 1294-1306.	1.8	13
47	Chapter 2.8 Application of bioassays/biosensors for the analysis of pharmaceuticals in environmental samples. Comprehensive Analytical Chemistry, 2007, 50, 279-334.	1.3	6
48	Immunochemical Determination of Industrial Emerging Pollutants. , 0, , 119-180.		5
49	Immunochemical Determination of Pharmaceuticals and Personal Care Products as Emerging Pollutants. , 0, , 181-244.		10