

M-Pilar Marco

List of Publications by Year in descending order

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209
papers

7,796
citations

41258

49
h-index

69108

77
g-index

213
all docs

213
docs citations

213
times ranked

7977
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Direct Quantitative Immunochemical Analysis of Autoinducer Peptide IV for Diagnosing and Stratifying <i>Staphylococcus aureus</i> Infections. ACS Infectious Diseases, 2022, 8, 645-656. | 1.8 | 0 |
| 2 | Development of a Fluorescent Microfluidic Device Based on Antibody Microarray Read-Out for Therapeutic Drug Monitoring of Acenocoumarol. Frontiers in Bioengineering and Biotechnology, 2022, 10, 848501. | 2.0 | 1 |
| 3 | Bacteria Detection at a Single-Cell Level through a Cyanotype-Based Photochemical Reaction. Analytical Chemistry, 2022, 94, 787-792. | 3.2 | 5 |
| 4 | Compact Microfluidic Platform with LED Light-Actuated Valves for Enzyme-Linked Immunosorbent Assay Automation. Biosensors, 2022, 12, 280. | 2.3 | 0 |
| 5 | Portable flow multiplexing device for continuous, in situ biodetection of environmental contaminants. Sensing and Bio-Sensing Research, 2022, 37, 100505. | 2.2 | 0 |
| 6 | Smartphone-based magneto-immunosensor on carbon black modified screen-printed electrodes for point-of-need detection of aflatoxin B1 in cereals. Analytica Chimica Acta, 2022, 1221, 340118. | 2.6 | 20 |
| 7 | Kynurenic Acid Electrochemical Immunosensor: Blood-Based Diagnosis of Alzheimer's Disease. Biosensors, 2021, 11, 20. | 2.3 | 12 |
| 8 | An Immunochemical Approach to Quantify and Assess the Potential Value of the Pseudomonas Quinolone Signal as a Biomarker of Infection. Analytical Chemistry, 2021, 93, 4859-4866. | 3.2 | 10 |
| 9 | A plasmonic biosensor array exploiting plasmon coupling between gold nanorods and spheres for domoic acid detection via two methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119473. | 2.0 | 2 |
| 10 | Biological and clinical significance of quorum sensing alkylquinolones: current analytical and bioanalytical methods for their quantification. Analytical and Bioanalytical Chemistry, 2021, 413, 4599-4618. | 1.9 | 7 |
| 11 | ASSURED Point-of-Need Food Safety Screening: A Critical Assessment of Portable Food Analyzers. Foods, 2021, 10, 1399. | 1.9 | 28 |
| 12 | Diagnosis and Stratification of Pseudomonas aeruginosa Infected Patients by Immunochemical Quantitative Determination of Pyocyanin From Clinical Bacterial Isolates. Frontiers in Cellular and Infection Microbiology, 2021, 11, 786929. | 1.8 | 12 |
| 13 | Multiplexed Immunosensor Based on the Amperometric Transduction for Monitoring of Marine Pollutants in Sea Water. Sensors, 2020, 20, 5532. | 2.1 | 3 |
| 14 | High-Throughput Immunochemical Method to Assess the 2-Heptyl-4-quinolone Quorum Sensing Molecule as a Potential Biomarker of <i>Pseudomonas aeruginosa</i> Infections. ACS Infectious Diseases, 2020, 6, 3237-3246. | 1.8 | 12 |
| 15 | Competitive ELISA for N-terminal pro-brain natriuretic peptide (NT-proBNP) determination in human plasma. Analyst, The, 2020, 145, 6719-6727. | 1.7 | 6 |
| 16 | Immunoassays on thiol-ene synthetic paper generate a superior fluorescence signal. Biosensors and Bioelectronics, 2020, 163, 112279. | 5.3 | 19 |
| 17 | Phenazines as potential biomarkers of Pseudomonas aeruginosa infections: synthesis regulation, pathogenesis and analytical methods for their detection. Analytical and Bioanalytical Chemistry, 2020, 412, 5897-5912. | 1.9 | 27 |
| 18 | The benefits of carbon black, gold and magnetic nanomaterials for point-of-harvest electrochemical quantification of domoic acid. Mikrochimica Acta, 2020, 187, 164. | 2.5 | 19 |

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|----|--|-----|-----------|
| 19 | Kynurenic Acid Levels are Increased in the CSF of Alzheimer's Disease Patients. <i>Biomolecules</i> , 2020, 10, 571. | 1.8 | 37 |
| 20 | Current and near-future technologies for antibiotic susceptibility testing and resistant bacteria detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 127, 115891. | 5.8 | 53 |
| 21 | Development of Novel Magneto-Biosensor for Sulfapyridine Detection. <i>Biosensors</i> , 2020, 10, 43. | 2.3 | 5 |
| 22 | A high-specificity immunoassay for the therapeutic drug monitoring of cyclophosphamide. <i>Analyst, The</i> , 2019, 144, 5172-5178. | 1.7 | 10 |
| 23 | 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. | 1.9 | 8 |
| 24 | Nanobody: outstanding features for diagnostic and therapeutic applications. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1703-1713. | 1.9 | 167 |
| 25 | Light-induced mechanisms for nanocarrier's cargo release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 825-832. | 2.5 | 15 |
| 26 | 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. | 1.4 | 3 |
| 27 | Enzyme-linked immunosorbent assays for therapeutic drug monitoring coumarin oral anticoagulants in plasma. <i>Analytica Chimica Acta</i> , 2018, 1028, 59-65. | 2.6 | 13 |
| 28 | Fluorescent microarray for multiplexed quantification of environmental contaminants in seawater samples. <i>Talanta</i> , 2018, 184, 499-506. | 2.9 | 13 |
| 29 | Immediate hypersensitivity to penicillins. Identification of a new antigenic determinant. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 148, 17-23. | 1.4 | 8 |
| 30 | Biobarcode assay for the oral anticoagulant acenocoumarol. <i>Talanta</i> , 2018, 178, 308-314. | 2.9 | 4 |
| 31 | Studies towards hcTnl Immunodetection Using Electrochemical Approaches Based on Magnetic Microbeads. <i>Sensors</i> , 2018, 18, 2457. | 2.1 | 9 |
| 32 | Interferometric nanoimmunosensor for label-free and real-time monitoring of Irgarol 1051 in seawater. <i>Biosensors and Bioelectronics</i> , 2018, 117, 47-52. | 5.3 | 18 |
| 33 | Multiplexed immunochemical techniques for the detection of pollutants in aquatic environments. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 106, 1-10. | 5.8 | 18 |
| 34 | Immunoassay and amperometric biosensor approaches for the detection of deltamethrin in seawater. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5923-5930. | 1.9 | 15 |
| 35 | A high throughput immunoassay for the therapeutic drug monitoring of tegafur. <i>Analyst, The</i> , 2017, 142, 2404-2410. | 1.7 | 18 |
| 36 | Sandwich NP-based biobarcode assay for quantification C-reactive protein in plasma samples. <i>Analytica Chimica Acta</i> , 2017, 992, 112-118. | 2.6 | 10 |

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|----|---|-----|-----------|
| 37 | Quantification of interacting cognate odorants with olfactory receptors in nanovesicles. Scientific Reports, 2017, 7, 17483. | 1.6 | 9 |
| 38 | Bioanalytical methods for cytostatic therapeutic drug monitoring and occupational exposure assessment. TrAC - Trends in Analytical Chemistry, 2017, 93, 152-170. | 5.8 | 15 |
| 39 | Multimodal plasmonic biosensing nanostructures prepared by DNA-directed immobilization of multifunctional DNA-gold nanoparticles. Biosensors and Bioelectronics, 2017, 90, 13-22. | 5.3 | 15 |
| 40 | Assessment of analytical methods to determine pyrethroids content of bednets. Tropical Medicine and International Health, 2017, 22, 41-51. | 1.0 | 4 |
| 41 | Novel strategy for sulfapyridine detection using a fully integrated electrochemical Bio-MEMS: Application to honey analysis. Biosensors and Bioelectronics, 2017, 93, 282-288. | 5.3 | 30 |
| 42 | Amperometric Biosensor for Continuous Monitoring Irgarol 1051 in Sea Water. Electroanalysis, 2016, 28, 1833-1838. | 1.5 | 9 |
| 43 | Immunochemical Determination of Pyocyanin and 1-Hydroxyphenazine as Potential Biomarkers of <i>Pseudomonas aeruginosa</i> Infections. Analytical Chemistry, 2016, 88, 1631-1638. | 3.2 | 31 |
| 44 | Electrochemical coding strategies using metallic nanoprobe for biosensing applications. TrAC - Trends in Analytical Chemistry, 2016, 79, 9-22. | 5.8 | 26 |
| 45 | Immunochemical strategy for quantification of G-coupled olfactory receptor proteins on natural nanovesicles. Colloids and Surfaces B: Biointerfaces, 2016, 139, 269-276. | 2.5 | 1 |
| 46 | Two photon versus one photon fluorescence excitation in whispering gallery mode microresonators. Journal of Luminescence, 2016, 170, 860-865. | 1.5 | 5 |
| 47 | Development and validation of an enzyme linked immunosorbent assay for fluoroquinolones in animal feeds. Food Control, 2015, 57, 195-201. | 2.8 | 29 |
| 48 | Rapid immunochemical analysis of the sulfonamide-sugar conjugated fraction of antibiotic contaminated honey samples. Food Chemistry, 2015, 178, 156-163. | 4.2 | 15 |
| 49 | Non-linear fluorescence excitation of Rhodamine 6G and TRITC labeled IgG in whispering gallery mode microresonators. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 50 | A microfluidic device for the automated electrical readout of low-density glass-slide microarrays. Biosensors and Bioelectronics, 2015, 74, 698-704. | 5.3 | 15 |
| 51 | An immunochemical strategy based on peptidoglycan synthetic peptide epitopes to diagnose Staphylococcus aureus infections. Analytica Chimica Acta, 2015, 889, 203-211. | 2.6 | 6 |
| 52 | Immunochemical detection of penicillins by using biohybrid magnetic particles. Food Control, 2015, 51, 381-389. | 2.8 | 20 |
| 53 | Electrochemical Detection of Fluoroquinolone Antibiotics in Milk Using a Magneto Immunosensor. Sensors, 2014, 14, 15965-15980. | 2.1 | 31 |
| 54 | Extraction-less, rapid assay for the direct detection of 2,4,6-trichloroanisole (TCA) in cork samples. Talanta, 2014, 125, 336-340. | 2.9 | 14 |

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|----|---|-----|-----------|
| 55 | Reusable conductimetric array of interdigitated microelectrodes for the readout of low-density microarrays. <i>Analytica Chimica Acta</i> , 2014, 832, 44-50. | 2.6 | 3 |
| 56 | Immunochemical determination of fluoroquinolone antibiotics in cattle hair: A strategy to ensure food safety. <i>Food Chemistry</i> , 2014, 157, 221-228. | 4.2 | 19 |
| 57 | Coulombimetric immunosensor for paraquat based on electrochemical nanoprobe. <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 353-360. | 4.0 | 33 |
| 58 | Development and impedimetric evaluation of a magnetic interdigitated microelectrode. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 444-451. | 4.0 | 3 |
| 59 | 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. | 1.9 | 5 |
| 60 | Rapid method based on immunoassay for determination of paraquat residues in wheat, barley and potato. <i>Food Control</i> , 2014, 41, 193-201. | 2.8 | 45 |
| 61 | A General Perspective of the Characterization and Quantification of Nanoparticles: Imaging, Spectroscopic, and Separation Techniques. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2014, 39, 423-458. | 6.8 | 72 |
| 62 | An electrochemical magneto immunosensor (EMIS) for the determination of paraquat residues in potato samples. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7841-7849. | 1.9 | 16 |
| 63 | A portable electrochemical magnetoimmunosensor for detection of sulfonamide antimicrobials in honey. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7885-7895. | 1.9 | 9 |
| 64 | Ultrasensitive amperometric magnetoimmunosensor for human C-reactive protein quantification in serum. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 212-220. | 4.0 | 68 |
| 65 | Development of a Coulombimetric immunosensor based on specific antibodies labeled with CdS nanoparticles for sulfonamide antibiotic residues analysis and its application to honey samples. <i>Biosensors and Bioelectronics</i> , 2013, 43, 211-217. | 5.3 | 37 |
| 66 | Integrated disposable electrochemical immunosensors for the simultaneous determination of sulfonamide and tetracycline antibiotics residues in milk. <i>Biosensors and Bioelectronics</i> , 2013, 50, 100-105. | 5.3 | 100 |
| 67 | Bond Elasticity Controls Molecular Recognition Specificity in Antibody-Antigen Binding. <i>Nano Letters</i> , 2013, 13, 5197-5202. | 4.5 | 2 |
| 68 | Application of Bioassays/Biosensors for the Analysis of Pharmaceuticals in Environmental Samples. <i>Comprehensive Analytical Chemistry</i> , 2013, , 195-229. | 0.7 | 4 |
| 69 | Synthesis of Steroid-Oligonucleotide Conjugates for a DNA Site-Encoded SPR Immunosensor. <i>Bioconjugate Chemistry</i> , 2012, 23, 2183-2191. | 1.8 | 16 |
| 70 | Preparation of Antibodies and Development of an Enzyme-Linked Immunosorbent Assay (ELISA) for the Determination of Doxycycline Antibiotic in Milk Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 3837-3846. | 2.4 | 69 |
| 71 | Design and fabrication of a COP-based microfluidic chip: Chronoamperometric detection of T-roponin T. <i>Electrophoresis</i> , 2012, 33, 3187-3194. | 1.3 | 19 |
| 72 | Two-photon fluorescent immunosensor for androgenic hormones using resonant grating waveguide structures. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 394-401. | 4.0 | 16 |

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|----|---|-----|-----------|
| 73 | Molecular Modeling Assisted Hapten Design To Produce Broad Selectivity Antibodies for Fluoroquinolone Antibiotics. <i>Analytical Chemistry</i> , 2012, 84, 4527-4534. | 3.2 | 64 |
| 74 | Development of an immunoassay for terbutryn: Study of the influence of the immunization protocol. <i>Talanta</i> , 2012, 89, 310-316. | 2.9 | 10 |
| 75 | Disposable and integrated amperometric immunosensor for direct determination of sulfonamide antibiotics in milk. <i>Biosensors and Bioelectronics</i> , 2012, 36, 81-88. | 5.3 | 80 |
| 76 | Multiplexed immunoassay to detect anabolic androgenic steroids in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1361-1371. | 1.9 | 20 |
| 77 | Current bioanalytical methods for detection of penicillins. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1549-1566. | 1.9 | 56 |
| 78 | Nanogold probe enhanced Surface Plasmon Resonance immunosensor for improved detection of antibiotic residues. <i>Biosensors and Bioelectronics</i> , 2012, 34, 151-158. | 5.3 | 68 |
| 79 | Three-dimensional Interdigitated Electrode Array as a Tool for Surface Reactions Registration. <i>Electroanalysis</i> , 2012, 24, 69-75. | 1.5 | 16 |
| 80 | Nanobiosensors for In Vitro and In Vivo Analysis of Biomolecules. <i>Methods in Molecular Biology</i> , 2012, 811, 207-221. | 0.4 | 1 |
| 81 | Preliminary study for simultaneous detection and quantification of androgenic anabolic steroids using ELISA and pattern recognition techniques. <i>Analyst, The</i> , 2011, 136, 4045. | 1.7 | 9 |
| 82 | Portable Surface Plasmon Resonance Immunosensor for the Detection of Fluoroquinolone Antibiotic Residues in Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 5036-5043. | 2.4 | 72 |
| 83 | Development of Stable, Water-Dispersible, and Biofunctionalizable Superparamagnetic Iron Oxide Nanoparticles. <i>Chemistry of Materials</i> , 2011, 23, 2795-2802. | 3.2 | 84 |
| 84 | Development of a cellular biosensor for the detection of 2,4,6-trichloroanisole (TCA). <i>Talanta</i> , 2011, 84, 936-940. | 2.9 | 33 |
| 85 | Quantum dot-based array for sensitive detection of <i>Escherichia coli</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2755-2762. | 1.9 | 38 |
| 86 | Mass spectrometric characterization of urinary toremifene metabolites for doping control analyses. <i>Journal of Chromatography A</i> , 2011, 1218, 4727-4737. | 1.8 | 23 |
| 87 | Biosensors for pharmaceuticals based on novel technology. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 541-553. | 5.8 | 66 |
| 88 | High-sensitive nonlinear detection of steroids by resonant double grating waveguide structures-based immunosensors. , 2011, , . | | 2 |
| 89 | Recent advances in analytical and bioanalysis applications of noble metal nanorods. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2451-2469. | 1.9 | 55 |
| 90 | 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. | 1.2 | 11 |

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|-----|---|-----|-----------|
| 91 | A label-free and portable multichannel surface plasmon resonance immunosensor for on site analysis of antibiotics in milk samples. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1231-1238. | 5.3 | 166 |
| 92 | Determination of atrazine residues in red wine samples. A conductimetric solution. <i>Food Chemistry</i> , 2010, 122, 888-894. | 4.2 | 33 |
| 93 | Competitive multi-immunosensing of pesticides based on the particle manipulation with negative dielectrophoresis. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1928-1933. | 5.3 | 40 |
| 94 | Gel-based immunotest for simultaneous detection of 2,4,6-trichlorophenol and ochratoxin A in red wine. <i>Analytica Chimica Acta</i> , 2010, 672, 3-8. | 2.6 | 20 |
| 95 | Evaluation of Immunoassays as an Alternative for the Rapid Determination of Pesticides in Wine and Grape Samples. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 2-11. | 0.7 | 7 |
| 96 | Electronic Anabolic Steroid Recognition with Carbon Nanotube Field-Effect Transistors. <i>ACS Nano</i> , 2010, 4, 1473-1480. | 7.3 | 19 |
| 97 | Validation of an Enzyme-Linked Immunosorbent Assay for Detecting Sulfonamides in Feed Resources. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 7526-7531. | 2.4 | 30 |
| 98 | Multidetetection Of Anabolic Androgenic Steroids Using Immunoarrays and Pattern Recognition Techniques. , 2009, , . | | 1 |
| 99 | Detection of pathogenic Bacteria by Electrochemical Impedance Spectroscopy: Influence of the immobilization strategies on the sensor performance. <i>Procedia Chemistry</i> , 2009, 1, 1291-1294. | 0.7 | 30 |
| 100 | Detection of pesticide residues using an immunodevice based on negative dielectrophoresis. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1592-1597. | 5.3 | 36 |
| 101 | Waveguide interrogated optical immunosensor (WIOS) for detection of sulfonamide antibiotics in milk. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3340-3346. | 5.3 | 53 |
| 102 | Traceability of sulfonamide antibiotic treatment by immunochemical analysis of farm animal hair samples. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1009-1016. | 1.9 | 14 |
| 103 | Fluorescence site-encoded DNA addressable hapten microarray for anabolic androgenic steroids. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 718-728. | 5.8 | 21 |
| 104 | Wavelength-interrogated optical biosensor for multi-analyte screening of sulfonamide, fluoroquinolone, β -lactam and tetracycline antibiotics in milk. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 769-777. | 5.8 | 59 |
| 105 | Nanoparticle-based biosensors for detection of pathogenic bacteria. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 1243-1252. | 5.8 | 220 |
| 106 | Immunoassay for folic acid detection in vitamin-fortified milk based on electrochemical magneto sensors. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2057-2063. | 5.3 | 77 |
| 107 | Development of an Enzyme-Linked Immunosorbent Assay for Determination of the Miticide Bromopropylate. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 375-384. | 2.4 | 17 |
| 108 | Generation of Broad Specificity Antibodies for Sulfonamide Antibiotics and Development of an Enzyme-Linked Immunosorbent Assay (ELISA) for the Analysis of Milk Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 385-394. | 2.4 | 87 |

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|-----|---|-----|-----------|
| 109 | Impedimetric Immunosensor Based on a Polypyrrole Antibioc Model Film for the Label-Free Picomolar Detection of Ciprofloxacin. <i>Analytical Chemistry</i> , 2009, 81, 8405-8409. | 3.2 | 72 |
| 110 | Interdigitated BC-electrodes for development of an impedimetric immunosensor for atrazine detection. , 2009, , . | | 0 |
| 111 | Biosensors for Pharmaceuticals and Emerging Contaminants Based on Novel Micro and Nanotechnology Approaches. <i>Handbook of Environmental Chemistry</i> , 2009, , 47-68. | 0.2 | 5 |
| 112 | Non-Specific Adsorption of Streptavidin on Single Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6149-6156. | 0.9 | 4 |
| 113 | An impedimetric immunosensor based on interdigitated microelectrodes (ID ^{1/4} E) for the determination of atrazine residues in food samples. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1367-1373. | 5.3 | 86 |
| 114 | Preparation of antibodies and development of a sensitive immunoassay with fluorescence detection for triazine herbicides. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1801-1812. | 1.9 | 29 |
| 115 | Studies on toxic oil syndrome: development of an enzyme-linked immunosorbent assay for 3-(N-phenylamino)propane-1,2-diol in human urine. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 617-624. | 1.9 | 0 |
| 116 | Colloidal-based localized surface plasmon resonance (LSPR) biosensor for the quantitative determination of stanozolol. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1813-1820. | 1.9 | 61 |
| 117 | A multianalyte ELISA for immunochemical screening of sulfonamide, fluoroquinolone and Å-lactam antibiotics in milk samples using class-selective bioreceptors. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1703-1712. | 1.9 | 85 |
| 118 | Disulfide Symmetric Dimers as Stable Pre-Hapten Forms for Bioconjugation: A Strategy to Prepare Immunoreagents for the Detection of Sulfophenyl Carboxylate Residues in Environmental Samples. <i>Chemistry - A European Journal</i> , 2008, 14, 1906-1917. | 1.7 | 7 |
| 119 | Electrogeneration of polymer films functionalized by fluoroquinolone models for the development of antibiotic immunosensor. <i>Irbm</i> , 2008, 29, 181-186. | 3.7 | 3 |
| 120 | Single frequency impedimetric immunosensor for atrazine detection. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 921-928. | 4.0 | 18 |
| 121 | Conductimetric immunosensor for atrazine detection based on antibodies labelled with gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 95-103. | 4.0 | 50 |
| 122 | Characterisation of the interdigitated electrode array with tantalum silicide electrodes separated by insulating barriers. <i>Electrochemistry Communications</i> , 2008, 10, 1621-1624. | 2.3 | 25 |
| 123 | Three-dimensional interdigitated electrode array as a transducer for label-free biosensors. <i>Biosensors and Bioelectronics</i> , 2008, 24, 729-735. | 5.3 | 51 |
| 124 | Simultaneous immunochemical detection of stanozolol and the main human metabolite, 3-hydroxy-stanozolol, in urine and serum samples. <i>Analytical Biochemistry</i> , 2008, 376, 221-228. | 1.1 | 21 |
| 125 | Multifunctional nanoparticles " properties and prospects for their use in human medicine. <i>Trends in Biotechnology</i> , 2008, 26, 425-433. | 4.9 | 722 |
| 126 | Detection of Fluoroquinolone Antibiotics in Milk via a Labelless Immunoassay Based upon an Alternating Current Impedance Protocol. <i>Analytical Chemistry</i> , 2008, 80, 9233-9239. | 3.2 | 40 |

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|-----|---|-----|-----------|
| 127 | Nonlinear immunofluorescent assay for androgenic hormones based on resonant structures. <i>Optics Express</i> , 2008, 16, 13315. | 1.7 | 13 |
| 128 | Immunochemical Assays for Direct Sulfonamide Antibiotic Detection In Milk and Hair Samples Using Antibody Derivatized Magnetic Nanoparticles. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 736-743. | 2.4 | 87 |
| 129 | Immunochemical Analysis of 2,4,6-Tribromophenol for Assessment of Wood Contamination. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 29-34. | 2.4 | 21 |
| 130 | Procedure 33 Electrochemical determination of atrazine in orange juice and bottled water samples based on Protein A biocomposite electrodes. <i>Comprehensive Analytical Chemistry</i> , 2007, , e233-e236. | 0.7 | 0 |
| 131 | Labelless Immunosensor Assay for Fluoroquinolone Antibiotics Based Upon an AC Impedance Protocol. <i>Analytical Letters</i> , 2007, 40, 1412-1422. | 1.0 | 24 |
| 132 | Procedure 34 Electrochemical determination of sulfonamide antibiotics in milk samples using a class-selective antibody. <i>Comprehensive Analytical Chemistry</i> , 2007, 49, e237-e241. | 0.7 | 1 |
| 133 | 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. | 1.0 | 7 |
| 134 | High frequency response of a novel biosensor based on interdigitated $\frac{1}{4}$ -electrodes (ID $\frac{1}{4}$ E's). , 2007, , . | | 0 |
| 135 | Preparation of Antibodies for the Designer Steroid Tetrahydrogestrinone and Development of an Enzyme-Linked Immunosorbent Assay for Human Urine Analysis. <i>Analytical Chemistry</i> , 2007, 79, 3734-3740. | 3.2 | 24 |
| 136 | Electrochemical biosensing of pesticide residues based on affinity biocomposite platforms. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1707-1715. | 5.3 | 39 |
| 137 | Electrochemical magneto immunosensing of antibiotic residues in milk. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2184-2191. | 5.3 | 114 |
| 138 | Impedimetric immunosensor for atrazine detection using interdigitated $\frac{1}{4}$ -electrodes (ID $\frac{1}{4}$ E's). <i>Sensors and Actuators B: Chemical</i> , 2007, 125, 526-537. | 4.0 | 53 |
| 139 | A New Methodology for the Rational Design of Molecularly Imprinted Polymers. <i>Analytical Letters</i> , 2007, 40, 1294-1306. | 1.0 | 13 |
| 140 | Chapter 2.8 Application of bioassays/biosensors for the analysis of pharmaceuticals in environmental samples. <i>Comprehensive Analytical Chemistry</i> , 2007, 50, 279-334. | 0.7 | 6 |
| 141 | Part per trillion determination of atrazine in natural water samples by a surface plasmon resonance immunosensor. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 207-214. | 1.9 | 97 |
| 142 | Impedimetric immunosensor for the specific label free detection of ciprofloxacin antibiotic. <i>Biosensors and Bioelectronics</i> , 2007, 23, 549-555. | 5.3 | 84 |
| 143 | Analysis of Nonylphenol: Advances and Improvements in the Immunochemical Determination Using Antibodies Raised against the Technical Mixture and Hydrophilic Immunoreagents. <i>Environmental Science & Technology</i> , 2006, 40, 559-568. | 4.6 | 36 |
| 144 | Electrochemical Magnetoimmunosensing Strategy for the Detection of Pesticides Residues. <i>Analytical Chemistry</i> , 2006, 78, 1780-1788. | 3.2 | 144 |

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