

Maria Goreti Ferreira Sales

List of Publications by Citations

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178
papers

3,393
citations

33
h-index

45
g-index

189
ext. papers

4,041
ext. citations

6.2
avg, IF

5.97
L-index

| # | Paper | IF | Citations |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 178 | Novel and simple electrochemical biosensor monitoring attomolar levels of miRNA-155 in breast cancer. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 621-630 | 11.8 | 113 |
| 177 | Molecularly-imprinted chloramphenicol sensor with laser-induced graphene electrodes. <i>Biosensors and Bioelectronics</i> , 2019 , 124-125, 167-175 | 11.8 | 91 |
| 176 | An ultrasensitive human cardiac troponin T graphene screen-printed electrode based on electropolymerized-molecularly imprinted conducting polymer. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 978-85 | 11.8 | 78 |
| 175 | Smart plastic antibody material (SPAM) tailored on disposable screen printed electrodes for protein recognition: application to myoglobin detection. <i>Biosensors and Bioelectronics</i> , 2013 , 45, 237-44 | 11.8 | 74 |
| 174 | Protein-responsive polymers for point-of-care detection of cardiac biomarker. <i>Sensors and Actuators B: Chemical</i> , 2014 , 196, 123-132 | 8.5 | 69 |
| 173 | Electrochemical biosensor based on biomimetic material for myoglobin detection. <i>Electrochimica Acta</i> , 2013 , 107, 481-487 | 6.7 | 69 |
| 172 | Artificial antibodies for troponin T by its imprinting on the surface of multiwalled carbon nanotubes: its use as sensory surfaces. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 243-50 | 11.8 | 67 |
| 171 | Screen-printed electrode produced by printed-circuit board technology. Application to Cancer Biomarker Detection by means of plastic antibody as sensing material. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 927-935 | 8.5 | 64 |
| 170 | A label-free DNA aptamer-based impedance biosensor for the detection of E. coli outer membrane proteins. <i>Sensors and Actuators B: Chemical</i> , 2013 , 181, 766-772 | 8.5 | 54 |
| 169 | Multifunctional biosensor based on localized surface plasmon resonance for monitoring small molecule-protein interaction. <i>ACS Nano</i> , 2014 , 8, 7958-67 | 16.7 | 53 |
| 168 | Disposable electrochemical detection of breast cancer tumour marker CA 15-3 using poly(Toluidine Blue) as imprinted polymer receptor. <i>Biosensors and Bioelectronics</i> , 2018 , 109, 246-254 | 11.8 | 52 |
| 167 | Label-free human chorionic gonadotropin detection at picogram levels using oriented antibodies bound to graphene screen-printed electrodes. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1852-1865 | 7.3 | 52 |
| 166 | Biosensor-based selective detection of Zika virus specific antibodies in infected individuals. <i>Biosensors and Bioelectronics</i> , 2018 , 113, 101-107 | 11.8 | 51 |
| 165 | Myoglobin-biomimetic electroactive materials made by surface molecular imprinting on silica beads and their use as ionophores in polymeric membranes for potentiometric transduction. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4760-6 | 11.8 | 51 |
| 164 | Control and comparison of the antioxidant capacity of beers. <i>Food Research International</i> , 2010 , 43, 1702-1709 | 4.9 | 49 |
| 163 | Electrochemical detection of cardiac biomarker myoglobin using polyphenol as imprinted polymer receptor. <i>Analytica Chimica Acta</i> , 2017 , 981, 41-52 | 6.6 | 48 |
| 162 | Man-tailored biomimetic sensor of molecularly imprinted materials for the potentiometric measurement of oxytetracycline. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 566-74 | 11.8 | 48 |

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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 161 | Development of paper-based color test-strip for drug detection in aquatic environment: Application to oxytetracycline. <i>Biosensors and Bioelectronics</i> , 2015 , 65, 54-61 | 11.8 | 46 |
| 160 | Novel Potentiometric Sensors of Molecular Imprinted Polymers for Specific Binding of Chlormequat. <i>Electroanalysis</i> , 2008 , 20, 194-202 | 3 | 45 |
| 159 | Aptamer-Based Biosensors to Detect Aquatic Phycotoxins and Cyanotoxins. <i>Sensors</i> , 2018 , 18, | 3.8 | 44 |
| 158 | Imprinting Technology in Electrochemical Biomimetic Sensors. <i>Sensors</i> , 2017 , 17, | 3.8 | 44 |
| 157 | Novel Prostate Specific Antigen plastic antibody designed with charged binding sites for an improved protein binding and its application in a biosensor of potentiometric transduction. <i>Electrochimica Acta</i> , 2014 , 132, 142-150 | 6.7 | 42 |
| 156 | Paper-Based Sensing Device for Electrochemical Detection of Oxidative Stress Biomarker 8-Hydroxy-2-Deoxyguanosine (8-OHdG) in Point-of-Care. <i>Scientific Reports</i> , 2017 , 7, 14558 | 4.9 | 42 |
| 155 | Disposable immunosensor using a simple method for oriented antibody immobilization for label-free real-time detection of an oxidative stress biomarker implicated in cancer diseases. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 193-9 | 11.8 | 41 |
| 154 | Sarcosine oxidase composite screen-printed electrode for sarcosine determination in biological samples. <i>Analytica Chimica Acta</i> , 2014 , 850, 26-32 | 6.6 | 41 |
| 153 | Molecularly imprinted polymer SPE sensor for analysis of CA-125 on serum. <i>Analytica Chimica Acta</i> , 2019 , 1082, 126-135 | 6.6 | 40 |
| 152 | Electrochemical determination of antioxidant capacities in flavored waters by guanine and adenine biosensors. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 591-9 | 11.8 | 40 |
| 151 | In-situ generated molecularly imprinted material for chloramphenicol electrochemical sensing in waters down to the nanomolar level. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 420-428 | 8.5 | 39 |
| 150 | Dual biorecognition by combining molecularly-imprinted polymer and antibody in SERS detection. Application to carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2019 , 146, 111761 | 11.8 | 39 |
| 149 | Novel sensory surface for creatine kinase electrochemical detection. <i>Biosensors and Bioelectronics</i> , 2014 , 56, 217-22 | 11.8 | 38 |
| 148 | Ecotoxicity tests using the green algae <i>Chlorella vulgaris</i> --a useful tool in hazardous effluents management. <i>Journal of Hazardous Materials</i> , 2009 , 167, 179-85 | 12.8 | 36 |
| 147 | Plastic antibody for the electrochemical detection of bacterial surface proteins. <i>Sensors and Actuators B: Chemical</i> , 2016 , 233, 697-704 | 8.5 | 36 |
| 146 | New sensing materials of molecularly-imprinted polymers for the selective recognition of Chlorotetracycline. <i>Microchemical Journal</i> , 2011 , 97, 173-181 | 4.8 | 35 |
| 145 | Microcystin-LR detection in water by the Fabry-Pérot interferometer using an optical fibre coated with a sol-gel imprinted sensing membrane. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3932-7 | 11.8 | 31 |
| 144 | Flow injection potentiometric determination of chlorpromazine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006 , 41, 1280-6 | 3.5 | 31 |

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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 143 | Wax-printed paper-based device for direct electrochemical detection of 3-nitrotyrosine. <i>Electrochimica Acta</i> , 2018 , 284, 60-68 | 6.7 | 30 |
| 142 | Sulfadiazine-potentiometric sensors for flow and batch determinations of sulfadiazine in drugs and biological fluids. <i>Analytical Sciences</i> , 2009 , 25, 365-71 | 1.7 | 30 |
| 141 | Antidepressants detection and quantification in whole blood samples by GC-MS/MS, for forensic purposes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 128, 496-503 | 3.5 | 30 |
| 140 | A saliva molecular imprinted localized surface plasmon resonance biosensor for wine astringency estimation. <i>Food Chemistry</i> , 2017 , 233, 457-466 | 8.5 | 29 |
| 139 | 8-hydroxy-2-Deoxyguanosine (8-OHdG) biomarker detection down to picoMolar level on a plastic antibody film. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 225-234 | 11.8 | 29 |
| 138 | Novel single-wall carbon nanotube screen-printed electrode as an immunosensor for human chorionic gonadotropin. <i>Electrochimica Acta</i> , 2014 , 136, 323-329 | 6.7 | 29 |
| 137 | Novel biosensing device for point-of-care applications with plastic antibodies grown on Au-screen printed electrodes. <i>Sensors and Actuators B: Chemical</i> , 2013 , 182, 733-740 | 8.5 | 29 |
| 136 | Plastic antibodies tailored on quantum dots for an optical detection of myoglobin down to the femtomolar range. <i>Scientific Reports</i> , 2018 , 8, 4944 | 4.9 | 28 |
| 135 | Laser-Induced Graphene-Based Platforms for Dual Biorecognition of Molecules. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2795-2803 | 5.6 | 27 |
| 134 | Biomimetic norfloxacin sensors made of molecularly-imprinted materials for potentiometric transduction. <i>Mikrochimica Acta</i> , 2011 , 172, 15-23 | 5.8 | 27 |
| 133 | Potentiometric determination of acetylsalicylic acid by sequential injection analysis (SIA) using a tubular salicylate-selective electrode. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001 , 24, 1027-1036 | 3.5 | 27 |
| 132 | Novel LTCC-potentiometric microfluidic device for biparametric analysis of organic compounds carrying plastic antibodies as ionophores: application to sulfamethoxazole and trimethoprim. <i>Biosensors and Bioelectronics</i> , 2011 , 30, 197-203 | 11.8 | 26 |
| 131 | New biomimetic sensors for the determination of tetracycline in biological samples: Batch and flow mode operations. <i>Analytical Methods</i> , 2010 , 2, 2039 | 3.2 | 26 |
| 130 | Redox probe-free readings of a β -Amyloid-42 plastic antibody sensory material assembled on copper@carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2018 , 264, 1-9 | 8.5 | 25 |
| 129 | Sensing CA 15-3 in point-of-care by electropolymerizing O-phenylenediamine (oPDA) on Au-screen printed electrodes. <i>PLoS ONE</i> , 2018 , 13, e0196656 | 3.7 | 25 |
| 128 | Multi-task flow system for potentiometric analysis: its application to the determination of vitamin B6 in pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001 , 25, 713-20 | 3.5 | 25 |
| 127 | Detecting circulating antibodies by controlled surface modification with specific target proteins: Application to malaria. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 833-841 | 11.8 | 24 |
| 126 | Molecular Imprinting of Complex Matrices at Localized Surface Plasmon Resonance Biosensors for Screening of Global Interactions of Polyphenols and Proteins. <i>ACS Sensors</i> , 2016 , 1, 258-264 | 9.2 | 24 |

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| 125 | Gold electrode modified by self-assembled monolayers of thiols to determine DNA sequences hybridization. <i>Journal of Chemical Sciences</i> , 2010 , 122, 911-917 | 1.8 | 23 |
| 124 | An impedimetric molecularly-imprinted biosensor for Interleukin-1 β determination, prepared by in-situ electropolymerization on carbon screen-printed electrodes. <i>Bioelectrochemistry</i> , 2019 , 130, 107287 | 5.6 | 22 |
| 123 | Recycling old screen-printed electrodes with newly designed plastic antibodies on the wall of carbon nanotubes as sensory element for in situ detection of bacterial toxins in water. <i>Sensors and Actuators B: Chemical</i> , 2013 , 189, 21-29 | 8.5 | 22 |
| 122 | Sulfadiazine-selective determination in aquaculture environment: selective potentiometric transduction by neutral or charged ionophores. <i>Talanta</i> , 2011 , 85, 1508-16 | 6.2 | 22 |
| 121 | Biomimetic sensors of molecularly-imprinted polymers for chlorpromazine determination. <i>Materials Science and Engineering C</i> , 2011 , 31, 1121-1128 | 8.3 | 22 |
| 120 | Detection of cardiac biomarker proteins using a disposable based on a molecularly imprinted polymer grafted onto graphite. <i>Mikrochimica Acta</i> , 2015 , 182, 975-983 | 5.8 | 21 |
| 119 | Smart naturally plastic antibody based on poly(β -cyclodextrin) polymer for β -amyloid-42 soluble oligomer detection. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 229-238 | 8.5 | 21 |
| 118 | Ciprofloxacin-imprinted polymeric receptors as ionophores for potentiometric transduction. <i>Electrochimica Acta</i> , 2011 , 56, 2017-2023 | 6.7 | 21 |
| 117 | A passive direct methanol fuel cell as transducer of an electrochemical sensor, applied to the detection of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2021 , 175, 112877 | 11.8 | 21 |
| 116 | Novel biomimetic composite material for potentiometric screening of acetylcholine, a neurotransmitter in Alzheimer's disease. <i>Materials Science and Engineering C</i> , 2017 , 79, 541-549 | 8.3 | 20 |
| 115 | Conductive Paper with Antibody-Like Film for Electrical Readings of Biomolecules. <i>Scientific Reports</i> , 2016 , 6, 26132 | 4.9 | 19 |
| 114 | FIA potentiometric system based on periodate polymeric membrane sensors for the assessment of ascorbic acid in commercial drinks. <i>Food Chemistry</i> , 2010 , 120, 934-939 | 8.5 | 19 |
| 113 | Label-free quantum dot conjugates for human protein IL-2 based on molecularly imprinted polymers. <i>Sensors and Actuators B: Chemical</i> , 2020 , 304, 127343 | 8.5 | 19 |
| 112 | Artificial receptors for the electrochemical detection of bacterial flagellar filaments from <i>Proteus mirabilis</i> . <i>Sensors and Actuators B: Chemical</i> , 2017 , 244, 732-741 | 8.5 | 18 |
| 111 | Paper-based (bio)sensor for label-free detection of 3-nitrotyrosine in human urine samples using molecular imprinted polymer. <i>Sensing and Bio-Sensing Research</i> , 2020 , 28, 100333 | 3.3 | 18 |
| 110 | Homemade 3-carbon electrode system for electrochemical sensing: Application to microRNA detection. <i>Microchemical Journal</i> , 2018 , 138, 35-44 | 4.8 | 18 |
| 109 | Flavoured versus natural waters: Macromineral (Ca, Mg, K, Na) and micromineral (Fe, Cu, Zn) contents. <i>Food Chemistry</i> , 2009 , 116, 580-589 | 8.5 | 17 |
| 108 | New electrochemically-derived plastic antibody on a simple conductive paper support for protein detection: Application to BSA. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 1127-1136 | 8.5 | 16 |

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| 107 | Novel electro-polymerized protein-imprinted materials using Eriochrome black T: Application to BSA sensing. <i>Electrochimica Acta</i> , 2018 , 262, 214-225 | 6.7 | 16 |
| 106 | Chitosan/AuNPs Modified Graphene Electrochemical Sensor for Label-Free Human Chorionic Gonadotropin Detection. <i>Electroanalysis</i> , 2014 , 26, 2591-2598 | 3 | 16 |
| 105 | Trimethoprim-selective electrodes with molecularly imprinted polymers acting as ionophores and potentiometric transduction on graphite solid-contact. <i>Microchemical Journal</i> , 2011 , 98, 21-28 | 4.8 | 16 |
| 104 | Dye-Sensitized Solar Cells for Efficient Solar and Artificial Light Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13464-13470 | 8.3 | 15 |
| 103 | Flow-injection analysis of dopamine in injections with a periodate-selective electrode. <i>Journal of Pharmaceutical Sciences</i> , 2000 , 89, 876-84 | 3.9 | 15 |
| 102 | Carcinoembryonic antigen imprinting by electropolymerization on a common conductive glass support and its determination in serum samples. <i>Sensors and Actuators B: Chemical</i> , 2019 , 287, 53-63 | 8.5 | 14 |
| 101 | Testing the variability of PSA expression by different human prostate cancer cell lines by means of a new potentiometric device employing molecularly antibody assembled on graphene surface. <i>Materials Science and Engineering C</i> , 2016 , 59, 1069-1078 | 8.3 | 14 |
| 100 | Novel optical PVC probes for on-site detection/determination of fluoroquinolones in a solid/liquid interface: application to the determination of Norfloxacin in aquaculture water. <i>Biosensors and Bioelectronics</i> , 2012 , 36, 199-206 | 11.8 | 14 |
| 99 | Assessing and comparing the total antioxidant capacity of commercial beverages: application to beers, wines, waters and soft drinks using TRAP, TEAC and FRAP methods. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013 , 16, 22-31 | 1.3 | 14 |
| 98 | Selective recognition in potentiometric transduction of amoxicillin by molecularly imprinted materials. <i>European Food Research and Technology</i> , 2011 , 232, 39-50 | 3.4 | 14 |
| 97 | Citrate selective electrodes for the flow injection analysis of soft drinks, beers and pharmaceutical products. <i>Analytica Chimica Acta</i> , 2002 , 471, 41-49 | 6.6 | 14 |
| 96 | Photonics in nature and bioinspired designs: sustainable approaches for a colourful world. <i>Nanoscale Advances</i> , 2020 , 2, 5106-5129 | 5.1 | 14 |
| 95 | Biomimetic materials assembled on a photovoltaic cell as a novel biosensing approach to cancer biomarker detection. <i>Scientific Reports</i> , 2018 , 8, 10205 | 4.9 | 14 |
| 94 | Self-powered and self-signalled autonomous electrochemical biosensor applied to carcinoembryonic antigen determination. <i>Biosensors and Bioelectronics</i> , 2019 , 140, 111320 | 11.8 | 13 |
| 93 | In-situ production of Histamine-imprinted polymeric materials for electrochemical monitoring of fish. <i>Sensors and Actuators B: Chemical</i> , 2020 , 311, 127902 | 8.5 | 13 |
| 92 | Antibody Biomimetic Material Made of Pyrrole for CA 15-3 and Its Application as Sensing Material in Ion-Selective Electrodes for Potentiometric Detection. <i>Biosensors</i> , 2018 , 8, | 5.9 | 13 |
| 91 | Paper-Based Platform with an In Situ Molecularly Imprinted Polymer for β Amyloid. <i>ACS Omega</i> , 2020 , 5, 12057-12066 | 3.9 | 12 |
| 90 | A biomimetic photonic crystal sensor for label-free detection of urinary venous thromboembolism biomarker. <i>Sensors and Actuators B: Chemical</i> , 2020 , 312, 127947 | 8.5 | 12 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 89 | A dye-sensitized solar cell acting as the electrical reading box of an immunosensor: Application to CEA determination. <i>Biosensors and Bioelectronics</i> , 2018 , 107, 94-102 | 11.8 | 12 |
| 88 | New and low cost plastic membrane electrode with low detection limits for sulfadimethoxine determination in aquaculture waters. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 709, 39-45 | 4.1 | 12 |
| 87 | Molecularly-Imprinted Materials for Potentiometric Transduction: Application to the Antibiotic Enrofloxacin. <i>Analytical Letters</i> , 2011 , 44, 2107-2123 | 2.2 | 12 |
| 86 | Sulphonamide-imprinted sol-gel materials as ionophores in potentiometric transduction. <i>Materials Science and Engineering C</i> , 2011 , 31, 1784-1790 | 8.3 | 12 |
| 85 | New potentiometric sensors based on two competitive recognition sites for determining tetracycline residues using flow-through system. <i>Procedia Engineering</i> , 2010 , 5, 1200-1203 | | 12 |
| 84 | Determination of polyphenols in wines by reaction with 4-aminoantipyrine and photometric flow-injection analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 372, 822-8 | 4.4 | 12 |
| 83 | Tetracycline-selective electrode for content determination and dissolution studies of pharmaceuticals by flow-injection analysis (FIA). <i>Journal of Pharmaceutical Sciences</i> , 2001 , 90, 1125-33 | 3.9 | 12 |
| 82 | Survey of trace elements (Al, As, Cd, Cr, Co, Hg, Mn, Ni, Pb, Se, and Si) in retail samples of flavoured and bottled waters. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2009 , 2, 121-30 | 3.3 | 11 |
| 81 | Cefuroxime selective electrodes for batch and FIA determinations in pharmaceutical preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998 , 18, 93-103 | 3.5 | 11 |
| 80 | Biomimetic Sensor Potentiometric System for Doxycycline Antibiotic Using a Molecularly Imprinted Polymer as an Artificial Recognition Element. <i>Sensor Letters</i> , 2011 , 9, 1654-1660 | 0.9 | 11 |
| 79 | Nanocellulose- based biosensor for colorimetric detection of glucose. <i>Sensing and Bio-Sensing Research</i> , 2020 , 29, 100368 | 3.3 | 11 |
| 78 | Protein Imprinted Material electrochemical sensor for determination of Annexin A3 in biological samples. <i>Electrochimica Acta</i> , 2016 , 190, 887-893 | 6.7 | 10 |
| 77 | New molecularly-imprinted polymer for carnitine and its application as ionophore in potentiometric selective membranes. <i>Materials Science and Engineering C</i> , 2014 , 43, 481-7 | 8.3 | 10 |
| 76 | Autonomous electrochemical biosensors: A new vision to direct methanol fuel cells. <i>Biosensors and Bioelectronics</i> , 2017 , 98, 428-436 | 11.8 | 10 |
| 75 | Surface Imprinting Approach on Screen Printed Electrodes Coated with Carboxylated PVC for Myoglobin detection with Electrochemical Transduction. <i>Procedia Engineering</i> , 2012 , 47, 865-868 | | 10 |
| 74 | Construction and evaluation of PVC conventional and tubular tripeleannamine-selective electrodes: their application in pharmaceutical preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1996 , 14, 931-8 | 3.5 | 10 |
| 73 | Coupling gold nanoparticles to Dye-Sensitized Solar Cells for an increased efficiency. <i>Electrochimica Acta</i> , 2019 , 300, 102-112 | 6.7 | 9 |
| 72 | Graphene-based biomimetic materials targeting urine metabolite as potential cancer biomarker: application over different conductive materials for potentiometric transduction. <i>Electrochimica Acta</i> , 2014 , 150, 99-107 | 6.7 | 9 |

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| 71 | Backside-surface imprinting as a new strategy to generate specific plastic antibody materials. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 3087-3095 | 7.3 | 9 |
| 70 | Determination of microcystin-LR in waters in the subnanomolar range by sol-gel imprinted polymers on solid contact electrodes. <i>Analyst, The</i> , 2012 , 137, 2437-44 | 5 | 9 |
| 69 | Electroanalytical Study of the Pesticide Ethiofencarb. <i>Analytical Letters</i> , 2006 , 39, 2387-2403 | 2.2 | 9 |
| 68 | Determination of tartaric acid in wines by FIA with tubular tartrate-selective electrodes. <i>Fresenius Journal of Analytical Chemistry</i> , 2001 , 369, 446-50 | | 9 |
| 67 | Paper-Based Biosensors for COVID-19: A Review of Innovative Tools for Controlling the Pandemic. <i>ACS Omega</i> , 2021 , 6, 29268-29290 | 3.9 | 9 |
| 66 | Electrochemistry-assisted surface plasmon resonance detection of miRNA-145 at femtomolar level. <i>Sensors and Actuators B: Chemical</i> , 2020 , 316, 128129 | 8.5 | 8 |
| 65 | Specific label-free and real-time detection of oxidized low density lipoprotein (oxLDL) using an immunosensor with three monoclonal antibodies. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 477-484 | 7.3 | 8 |
| 64 | Optimizing potentiometric ionophore and electrode design for environmental on-site control of antibiotic drugs: application to sulfamethoxazole. <i>Biosensors and Bioelectronics</i> , 2012 , 35, 319-326 | 11.8 | 8 |
| 63 | Sol-gel-based biosensing applied to medicinal science. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 245-55 | 3 | 8 |
| 62 | Haemoglobin smart plastic antibody material tailored with charged binding sites on silica nanoparticles: its application as an ionophore in potentiometric transduction. <i>RSC Advances</i> , 2013 , 3, 26210 | 3.7 | 8 |
| 61 | Rapid automated method for on-site determination of sulfadiazine in fish farming: a stainless steel veterinary syringe coated with a selective membrane of PVC serving as a potentiometric detector in a flow-injection-analysis system. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 3355-65 | 4.4 | 8 |
| 60 | Ion-selective electrodes for promethazine determinations in pharmaceutical preparations and application to flow injection analysis. <i>Journal of Pharmaceutical Sciences</i> , 1997 , 86, 1234-8 | 3.9 | 8 |
| 59 | Flow amperometric determination of carbofuran and fenobucarb. <i>International Journal of Environmental Analytical Chemistry</i> , 2008 , 88, 37-49 | 1.8 | 8 |
| 58 | Avoiding the Interference of Doxorubicin with MTT Measurements on the MCF-7 Breast Cancer Cell Line. <i>Methods and Protocols</i> , 2019 , 2, | 2.5 | 7 |
| 57 | Biosensors for Rapid Detection of Breast Cancer Biomarkers 2019 , 71-103 | | 7 |
| 56 | A waste management school approach towards sustainability. <i>Resources, Conservation and Recycling</i> , 2006 , 48, 197-207 | 11.9 | 7 |
| 55 | Secreted Extracellular Vesicle Molecular Cargo as a Novel Liquid Biopsy Diagnostics of Central Nervous System Diseases. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 7 |
| 54 | Imprinted Fluorescent Cellulose Membranes for the On-Site Detection of Myoglobin in Biological Media.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4224-4235 | 4.1 | 7 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|
| 53 | Development of an electrochemical biosensor for Galectin-3 detection in point-of-care. <i>Microchemical Journal</i> , 2021 , 164, 105992 | 4.8 | 7 |
| 52 | SERS and electrochemical impedance spectroscopy immunoassay for carcinoembryonic antigen. <i>Electrochimica Acta</i> , 2021 , 366, 137377 | 6.7 | 7 |
| 51 | Electrochemical Point-of Care (PoC) Determination of Interleukin-6 (IL-6) Using a Pyrrole (Py) Molecularly Imprinted Polymer (MIP) on a Carbon-Screen Printed Electrode (C-SPE). <i>Analytical Letters</i> , 2021 , 54, 2611-2623 | 2.2 | 7 |
| 50 | Host-Tailored Sensors for Leucomalachite Green Potentiometric Measurements. <i>Journal of Chemistry</i> , 2013 , 2013, 1-13 | 2.3 | 6 |
| 49 | Disposable solid state probe for optical screening of chlorpromazine. <i>Mikrochimica Acta</i> , 2011 , 175, 323-331 | 3.1 | 6 |
| 48 | Laser-Induced Graphene on Paper toward Efficient Fabrication of Flexible, Planar Electrodes for Electrochemical Sensing. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2101502 | 4.6 | 6 |
| 47 | Fabrication and modification of homemade paper-based electrode systems. <i>Talanta</i> , 2021 , 224, 121861 | 6.2 | 6 |
| 46 | Employing bacteria machinery for antibiotic detection: Using DNA gyrase for ciprofloxacin detection. <i>Chemical Engineering Journal</i> , 2021 , 409, 128135 | 14.7 | 6 |
| 45 | Bottom-up microwave-assisted seed-mediated synthesis of gold nanoparticles onto nanocellulose to boost stability and high performance for SERS applications. <i>Applied Surface Science</i> , 2021 , 561, 150060 | 6.7 | 6 |
| 44 | Rational selection of hidden epitopes for a molecularly imprinted electrochemical sensor in the recognition of heat-denatured dengue NS1 protein. <i>Biosensors and Bioelectronics</i> , 2021 , 191, 113419 | 11.8 | 6 |
| 43 | Photovoltaics, plasmonics, plastic antibodies and electrochromism combined for a novel generation of self-powered and self-signalled electrochemical biomimetic sensors. <i>Biosensors and Bioelectronics</i> , 2019 , 137, 72-81 | 11.8 | 5 |
| 42 | Protein imprinted materials designed with charged binding sites on screen-printed electrode for microseminoprotein-beta determination in biological samples. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 846-852 | 8.5 | 5 |
| 41 | Solid contact PVC membrane electrodes based on neutral or charged carriers for the selective reading of anionic sulfamethoxazole and their application to the analysis of aquaculture water. <i>International Journal of Environmental Analytical Chemistry</i> , 2012 , 92, 479-495 | 1.8 | 5 |
| 40 | Electrochemistry-Assisted Surface Plasmon Resonance Biosensor for Detection of CA 15-3. <i>Analytical Chemistry</i> , 2021 , 93, 7815-7824 | 7.8 | 5 |
| 39 | Innovative screen-printed electrodes on cork composite substrates applied to sulfadiazine electrochemical sensing. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 880, 114922 | 4.1 | 5 |
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