Maria Goreti Ferreira Sales

List of Publications by Year
in descending order

187 papers	4,910 citations	81839 39 h-index	149623 56 g-index
189 all docs	189 docs citations	189 times ranked	5094 citing authors

#	Article	IF	Citations
1	Novel and simple electrochemical biosensor monitoring attomolar levels of miRNA-155 in breast cancer. Biosensors and Bioelectronics, 2016, 80, 621-630.	5.3	148
2	Molecularly-imprinted chloramphenicol sensor with laser-induced graphene electrodes. Biosensors and Bioelectronics, 2019, 124-125, 167-175.	5.3	135
3	An ultrasensitive human cardiac troponin T graphene screen-printed electrode based on electropolymerized-molecularly imprinted conducting polymer. Biosensors and Bioelectronics, 2016, 77, 978-985.	5.3	103
4	Disposable electrochemical detection of breast cancer tumour marker CA 15-3 using poly(Toluidine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	5.3	92
5	Screen-printed electrode produced by printed-circuit board technology. Application to cancer biomarker detection by means of plastic antibody as sensing material. Sensors and Actuators B: Chemical, 2016, 223, 927-935.	4.0	87
6	Smart plastic antibody material (SPAM) tailored on disposable screen printed electrodes for protein recognition: Application to myoglobin detection. Biosensors and Bioelectronics, 2013, 45, 237-244.	5.3	86
7	Protein-responsive polymers for point-of-care detection of cardiac biomarker. Sensors and Actuators B: Chemical, 2014, 196, 123-132.	4.0	85
8	Electrochemical biosensor based on biomimetic material for myoglobin detection. Electrochimica Acta, 2013, 107, 481-487.	2.6	81
9	Artificial antibodies for troponin T by its imprinting on the surface of multiwalled carbon nanotubes: Its use as sensory surfaces. Biosensors and Bioelectronics, 2011, 28, 243-250.	5.3	72
10	Molecularly imprinted polymer SPE sensor for analysis of CA-125 on serum. Analytica Chimica Acta, 2019, 1082, 126-135.	2.6	71
11	A label-free DNA aptamer-based impedance biosensor for the detection of E. coli outer membrane proteins. Sensors and Actuators B: Chemical, 2013, 181, 766-772.	4.0	69
12	Dual biorecognition by combining molecularly-imprinted polymer and antibody in SERS detection. Application to carcinoembryonic antigen. Biosensors and Bioelectronics, 2019, 146, 111761.	5.3	69
13	Electrochemical detection of cardiac biomarker myoglobin using polyphenol as imprinted polymer receptor. Analytica Chimica Acta, 2017, 981, 41-52.	2.6	68
14	Biosensor-based selective detection of Zika virus specific antibodies in infected individuals. Biosensors and Bioelectronics, 2018, 113, 101-107.	5.3	67
15	Aptamer-Based Biosensors to Detect Aquatic Phycotoxins and Cyanotoxins. Sensors, 2018, 18, 2367.	2.1	64
16	Imprinting Technology in Electrochemical Biomimetic Sensors. Sensors, 2017, 17, 523.	2.1	62
17	Control and comparison of the antioxidant capacity of beers. Food Research International, 2010, 43, 1702-1709.	2.9	61
18	Multifunctional Biosensor Based on Localized Surface Plasmon Resonance for Monitoring Small Moleculeâ€“Protein Interaction. ACS Nano, 2014, 8, 7958-7967.	7.3	60

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19	In-situ generated molecularly imprinted material for chloramphenicol electrochemical sensing in waters down to the nanomolar level. Sensors and Actuators B: Chemical, 2018, 256, 420-428.	4.0	58
20	Sarcosine oxidase composite screen-printed electrode for sarcosine determination in biological samples. Analytica Chimica Acta, 2014, 850, 26-32.	2.6	56
21	Myoglobin-biomimetic electroactive materials made by surface molecular imprinting on silica beads and their use as ionophores in polymeric membranes for potentiometric transduction. Biosensors and Bioelectronics, 2011, 26, 4760-4766.	5.3	55
22	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. Biosensors and Bioelectronics, 2014, 53, 193-199.	5.3	55
23	Label-free human chorionic gonadotropin detection at picogram levels using oriented antibodies bound to graphene screen-printed electrodes. Journal of Materials Chemistry B, 2014, 2, 1852.	2.9	55
24	Development of paper-based color test-strip for drug detection in aquatic environment: Application to oxytetracycline. Biosensors and Bioelectronics, 2015, 65, 54-61.	5.3	55
25	Man-tailored biomimetic sensor of molecularly imprinted materials for the potentiometric measurement of oxytetracycline. Biosensors and Bioelectronics, 2010, 26, 566-574.	5.3	54
26	Novel sensory surface for creatine kinase electrochemical detection. Biosensors and Bioelectronics, 2014, 56, 217-222.	5.3	54
27	Paper-Based Sensing Device for Electrochemical Detection of Oxidative Stress Biomarker 8-Hydroxy-2â€²-deoxyguanosine (8-OHdG) in Point-of-Care. Scientific Reports, 2017, 7, 14558.	1.6	54
28	Novel Potentiometric Sensors of Molecular Imprinted Polymers for Specific Binding of Chlormequat. Electroanalysis, 2008, 20, 194-202.	1.5	53
29	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. Electrochimica Acta, 2014, 132, 142-150.	2.6	51
30	A passive direct methanol fuel cell as transducer of an electrochemical sensor, applied to the detection of carcinoembryonic antigen. Biosensors and Bioelectronics, 2021, 175, 112877.	5.3	50
31	Laserâ€induced Graphene on Paper toward Efficient Fabrication of Flexible, Planar Electrodes for Electrochemical Sensing. Advanced Materials Interfaces, 2021, 8, 2101502.	1.9	48
32	Electrochemical determination of antioxidant capacities in flavored waters by guanine and adenine biosensors. Biosensors and Bioelectronics, 2008, 24, 591-599.	5.3	47
33	Photonics in nature and bioinspired designs: sustainable approaches for a colourful world. Nanoscale Advances, 2020, 2, 5106-5129.	2.2	46
34	Ecotoxicity tests using the green algae Chlorella vulgarisâ€”A useful tool in hazardous effluents management. Journal of Hazardous Materials, 2009, 167, 179-185.	6.5	45
35	Plastic antibody for the electrochemical detection of bacterial surface proteins. Sensors and Actuators B: Chemical, 2016, 233, 697-704.	4.0	45
36	Redox probe-free readings of a Î²-amyloid-42 plastic antibody sensory material assembled on copper@carbon nanotubes. Sensors and Actuators B: Chemical, 2018, 264, 1-9.	4.0	43

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37	Laser-Induced Graphene-Based Platforms for Dual Biorecognition of Molecules. ACS Applied Nano Materials, 2020, 3, 2795-2803.	2.4	43
38	Antidepressants detection and quantification in whole blood samples by GCâ€“MS/MS, for forensic purposes. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 496-503.	1.4	42
39	Plastic antibodies tailored on quantum dots for an optical detection of myoglobin down to the femtomolar range. Scientific Reports, 2018, 8, 4944.	1.6	41
40	Sensing CA 15-3 in point-of-care by electropolymerizing O-phenylenediamine (oPDA) on Au-screen printed electrodes. PLoS ONE, 2018, 13, e0196656.	1.1	41
41	Flow injection potentiometric determination of chlorpromazine. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 1280-1286.	1.4	40
42	Wax-printed paper-based device for direct electrochemical detection of 3-nitrotyrosine. Electrochimica Acta, 2018, 284, 60-68.	2.6	40
43	Paper-Based Biosensors for COVID-19: A Review of Innovative Tools for Controlling the Pandemic. ACS Omega, 2021, 6, 29268-29290.	1.6	40
44	Microcystin-LR detection in water by the Fabryâ€“PÃ©rot interferometer using an optical fibre coated with a solâ€“gel imprinted sensing membrane. Biosensors and Bioelectronics, 2011, 26, 3932-3937.	5.3	39
45	Sulfadiazine-Potentiometric Sensors for Flow and Batch Determinations of Sulfadiazine in Drugs and Biological Fluids. Analytical Sciences, 2009, 25, 365-371.	0.8	38
46	New sensing materials of molecularly-imprinted polymers for the selective recognition of Chlortetracycline. Microchemical Journal, 2011, 97, 173-181.	2.3	38
47	8-hydroxy-2â€²-deoxyguanosine (8-OHdG) biomarker detection down to picoMolar level on a plastic antibody film. Biosensors and Bioelectronics, 2016, 86, 225-234.	5.3	37
48	An impedimetric molecularly-imprinted biosensor for Interleukin-1Î² determination, prepared by in-situ electropolymerization on carbon screen-printed electrodes. Bioelectrochemistry, 2019, 130, 107287.	2.4	37
49	A saliva molecular imprinted localized surface plasmon resonance biosensor for wine astringency estimation. Food Chemistry, 2017, 233, 457-466.	4.2	36
50	Potentiometric determination of acetylsalicylic acid by sequential injection analysis (SIA) using a tubular salicylate-selective electrode. Journal of Pharmaceutical and Biomedical Analysis, 2001, 24, 1027-1036.	1.4	34
51	Novel LTCC-potentiometric microfluidic device for biparametric analysis of organic compounds carrying plastic antibodies as ionophores: Application to sulfamethoxazole and trimethoprim. Biosensors and Bioelectronics, 2011, 30, 197-203.	5.3	33
52	Smart naturally plastic antibody based on poly(Î±-cyclodextrin) polymer for Î²-amyloid-42 soluble oligomer detection. Sensors and Actuators B: Chemical, 2017, 240, 229-238.	4.0	33
53	Dye-Sensitized Solar Cells for Efficient Solar and Artificial Light Conversion. ACS Sustainable Chemistry and Engineering, 2019, 7, 13464-13470.	3.2	33
54	New biomimetic sensors for the determination of tetracycline in biological samples: Batch and flow mode operations. Analytical Methods, 2010, 2, 2039.	1.3	32

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55	Ciprofloxacin-imprinted polymeric receptors as ionophores for potentiometric transduction. Electrochimica Acta, 2011, 56, 2017-2023.	2.6	32
56	Label-free quantum dot conjugates for human protein IL-2 based on molecularly imprinted polymers. Sensors and Actuators B: Chemical, 2020, 304, 127343.	4.0	32
57	Paper-based (bio)sensor for label-free detection of 3-nitrotyrosine in human urine samples using molecular imprinted polymer. Sensing and Bio-Sensing Research, 2020, 28, 100333.	2.2	32
58	Novel biosensing device for point-of-care applications with plastic antibodies grown on Au-screen printed electrodes. Sensors and Actuators B: Chemical, 2013, 182, 733-740.	4.0	31
59	Detecting circulating antibodies by controlled surface modification with specific target proteins: Application to malaria. Biosensors and Bioelectronics, 2017, 91, 833-841.	5.3	31
60	Multi-task flow system for potentiometric analysis: its application to the determination of vitamin B6 in pharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2001, 25, 713-720.	1.4	30
61	Novel single-wall carbon nanotube screen-printed electrode as an immunosensor for human chorionic gonadotropin. Electrochimica Acta, 2014, 136, 323-329.	2.6	30
62	Biomimetic norfloxacin sensors made of molecularly-imprinted materials for potentiometric transduction. Mikrochimica Acta, 2011, 172, 15-23.	2.5	29
63	A biomimetic photonic crystal sensor for label-free detection of urinary venous thromboembolism biomarker. Sensors and Actuators B: Chemical, 2020, 312, 127947.	4.0	29
64	Gold electrode modified by self-assembled monolayers of thiols to determine DNA sequences hybridization. Journal of Chemical Sciences, 2010, 122, 911-917.	0.7	28
65	Molecular Imprinting of Complex Matrices at Localized Surface Plasmon Resonance Biosensors for Screening of Global Interactions of Polyphenols and Proteins. ACS Sensors, 2016, 1, 258-264.	4.0	28
66	Artificial receptors for the electrochemical detection of bacterial flagellar filaments from Proteus mirabilis. Sensors and Actuators B: Chemical, 2017, 244, 732-741.	4.0	28
67	Self-powered and self-signalled autonomous electrochemical biosensor applied to cancinoembryonic antigen determination. Biosensors and Bioelectronics, 2019, 140, 111320.	5.3	28
68	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). Analytical Letters, 2021, 54, 2611-2623.	1.0	28
69	Paper-Based Platform with an In Situ Molecularly Imprinted Polymer for Î²-Amyloid. ACS Omega, 2020, 5, 12057-12066.	1.6	27
70	Detection of cardiac biomarker proteins using a disposable based on a molecularly imprinted polymer grafted onto graphite. Mikrochimica Acta, 2015, 182, 975-983.	2.5	26
71	Homemade 3-carbon electrode system for electrochemical sensing: Application to microRNA detection. Microchemical Journal, 2018, 138, 35-44.	2.3	25
72	Antibody Biomimetic Material Made of Pyrrole for CA 15-3 and Its Application as Sensing Material in Ion-Selective Electrodes for Potentiometric Detection. Biosensors, 2018, 8, 8.	2.3	25

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73	Sulfadiazine-selective determination in aquaculture environment: Selective potentiometric transduction by neutral or charged ionophores. Talanta, 2011, 85, 1508-1516.	2.9	24
74	Assessing and Comparing the Total Antioxidant Capacity of Commercial Beverages: Application to Beers, Wines, Waters and Soft Drinks Using TRAP, TEAC and FRAP Methods. Combinatorial Chemistry and High Throughput Screening, 2013, 16, 22-31.	0.6	24
75	Novel biomimetic composite material for potentiometric screening of acetylcholine, a neurotransmitter in Alzheimer's disease. Materials Science and Engineering C, 2017, 79, 541-549.	3.8	24
76	Novel electro-polymerized protein-imprinted materials using Eriochrome black T: Application to BSA sensing. Electrochimica Acta, 2018, 262, 214-225.	2.6	24
77	FIA potentiometric system based on periodate polymeric membrane sensors for the assessment of ascorbic acid in commercial drinks. Food Chemistry, 2010, 120, 934-939.	4.2	23
78	Biomimetic sensors of molecularly-imprinted polymers for chlorpromazine determination. Materials Science and Engineering C, 2011, 31, 1121-1128.	3.8	23
79	Carcinoembryonic antigen imprinting by electropolymerization on a common conductive glass support and its determination in serum samples. Sensors and Actuators B: Chemical, 2019, 287, 53-63.	4.0	23
80	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. Sensors and Actuators B: Chemical, 2013, 189, 21-29.	4.0	22
81	Chitosan/AuNPs Modified Graphene Electrochemical Sensor for Labelâ€Free Human Chorionic Gonadotropin Detection. Electroanalysis, 2014, 26, 2591-2598.	1.5	22
82	Conductive Paper with Antibody-Like Film for Electrical Readings of Biomolecules. Scientific Reports, 2016, 6, 26132.	1.6	22
83	New electrochemically-derived plastic antibody on a simple conductive paper support for protein detection: Application to BSA. Sensors and Actuators B: Chemical, 2017, 243, 1127-1136.	4.0	22
84	Nanocellulose- based biosensor for colorimetric detection of glucose. Sensing and Bio-Sensing Research, 2020, 29, 100368.	2.2	22
85	In-situ production of Histamine-imprinted polymeric materials for electrochemical monitoring of fish. Sensors and Actuators B: Chemical, 2020, 311, 127902.	4.0	22
86	SERS and electrochemical impedance spectroscopy immunoassay for carcinoembryonic antigen. Electrochimica Acta, 2021, 366, 137377.	2.6	22
87	Trimethoprim-selective electrodes with molecularly imprinted polymers acting as ionophores and potentiometric transduction on graphite solid-contact. Microchemical Journal, 2011, 98, 21-28.	2.3	21
88	A dye-sensitized solar cell acting as the electrical reading box of an immunosensor: Application to CEA determination. Biosensors and Bioelectronics, 2018, 107, 94-102.	5.3	21
89	Electrochemistry-Assisted Surface Plasmon Resonance Biosensor for Detection of CA 15â€“3. Analytical Chemistry, 2021, 93, 7815-7824.	3.2	21
90	Employing bacteria machinery for antibiotic detection: Using DNA gyrase for ciprofloxacin detection. Chemical Engineering Journal, 2021, 409, 128135.	6.6	20

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91	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. Materials Science and Engineering C, 2016, 59, 1069-1078.	3.8	19
92	Biomimetic materials assembled on a photovoltaic cell as a novel biosensing approach to cancer biomarker detection. Scientific Reports, 2018, 8, 10205.	1.6	19
93	Imprinted Fluorescent Cellulose Membranes for the On-Site Detection of Myoglobin in Biological Media. ACS Applied Bio Materials, 2021, 4, 4224-4235.	2.3	19
94	Flavoured versus natural waters: Macromineral (Ca, Mg, K, Na) and micromineral (Fe, Cu, Zn) contents. Food Chemistry, 2009, 116, 580-589.	4.2	18
95	Selective recognition in potentiometric transduction of amoxicillin by molecularly imprinted materials. European Food Research and Technology, 2011, 232, 39-50.	1.6	18
96	Development of an electrochemical biosensor for Galectin-3 detection in point-of-care. Microchemical Journal, 2021, 164, 105992.	2.3	18
97	Colorimetric Paper-Based Sensors against Cancer Biomarkers. Sensors, 2022, 22, 3221.	2.1	18
98	Cefuroxime selective electrodes for batch and FIA determinations in pharmaceutical preparations. Journal of Pharmaceutical and Biomedical Analysis, 1998, 18, 93-103.	1.4	17
99	Flowâ€Injection Analysis of Dopamine in Injections with a Periodateâ€Selective Electrode. Journal of Pharmaceutical Sciences, 2000, 89, 876-884.	1.6	17
100	Sulphonamide-imprinted solâ€“gel materials as ionophores in potentiometric transduction. Materials Science and Engineering C, 2011, 31, 1784-1790.	3.8	17
101	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. Biosensors and Bioelectronics, 2012, 36, 199-206.	5.3	17
102	Electrochemistry-assisted surface plasmon resonance detection of miRNA-145 at femtomolar level. Sensors and Actuators B: Chemical, 2020, 316, 128129.	4.0	17
103	Citrate selective electrodes for the flow injection analysis of soft drinks, beers and pharmaceutical products. Analytica Chimica Acta, 2002, 471, 41-49.	2.6	16
104	Molecular Imprinting on Nanozymes for Sensing Applications. Biosensors, 2021, 11, 152.	2.3	16
105	Plastic Antibody of Polypyrrole/Multiwall Carbon Nanotubes on Screen-Printed Electrodes for Cystatin C Detection. Biosensors, 2021, 11, 175.	2.3	16
106	Bottom-up microwave-assisted seed-mediated synthesis of gold nanoparticles onto nanocellulose to boost stability and high performance for SERS applications. Applied Surface Science, 2021, 561, 150060.	3.1	16
107	Biomimetic Sensor Potentiometric System for Doxycycline Antibiotic Using a Molecularly Imprinted Polymer as an Artificial Recognition Element. Sensor Letters, 2011, 9, 1654-1660.	0.4	16
108	Determination of polyphenols in wines by reaction with 4-aminoantipyrine and photometric flow-injection analysis. Analytical and Bioanalytical Chemistry, 2002, 372, 822-828.	1.9	15

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109	Protein Imprinted Material electrochemical sensor for determination of Annexin A3 in biological samples. Electrochimica Acta, 2016, 190, 887-893.	2.6	15
110	Autonomous electrochemical biosensors: A new vision to direct methanol fuel cells. Biosensors and Bioelectronics, 2017, 98, 428-436.	5.3	15
111	Electrochemical immunosensor for detection of CA 15-3 biomarker in point-of-care. Sensing and Bio-Sensing Research, 2021, 33, 100445.	2.2	15
112	Rational selection of hidden epitopes for a molecularly imprinted electrochemical sensor in the recognition of heat-denatured dengue NS1 protein. Biosensors and Bioelectronics, 2021, 191, 113419.	5.3	15
113	An ultra-sensitive electrochemical biosensor using the Spike protein for capturing antibodies against SARS-CoV-2 in point-of-care. Materials Today Bio, 2022, 16, 100354.	2.6	15
114	Tetracycline-Selective Electrode for Content Determination and Dissolution Studies of Pharmaceuticals by Flow-Injection Analysis (FIA). Journal of Pharmaceutical Sciences, 2001, 90, 1125-1133.	1.6	14
115	Molecularly-Imprinted Materials for Potentiometric Transduction: Application to the Antibiotic Enrofloxacin. Analytical Letters, 2011, 44, 2107-2123.	1.0	14
116	New and low cost plastic membrane electrode with low detection limits for sulfadimethoxine determination in aquaculture waters. Journal of Electroanalytical Chemistry, 2013, 709, 39-45.	1.9	14
117	Photovoltaics, plasmonics, plastic antibodies and electrochromism combined for a novel generation of self-powered and self-signalled electrochemical biomimetic sensors. Biosensors and Bioelectronics, 2019, 137, 72-81.	5.3	14
118	Survey of trace elements (Al, As, Cd, Cr, Co, Hg, Mn, Ni, Pb, Se, and Si) in retail samples of flavoured and bottled waters. Food Additives and Contaminants: Part B Surveillance, 2009, 2, 121-130.	1.3	13
119	New potentiometric sensors based on two competitive recognition sites for determining tetracycline residues using flow-through system. Procedia Engineering, 2010, 5, 1200-1203.	1.2	13
120	Biosensors for Rapid Detection of Breast Cancer Biomarkers. , 2019, , 71-103.		13
121	Avoiding the Interference of Doxorubicin with MTT Measurements on the MCF-7 Breast Cancer Cell Line. Methods and Protocols, 2019, 2, 29.	0.9	13
122	Secreted Extracellular Vesicle Molecular Cargo as a Novel Liquid Biopsy Diagnostics of Central Nervous System Diseases. International Journal of Molecular Sciences, 2021, 22, 3267.	1.8	13
123	Paper-based aptasensor for colorimetric detection of osteopontin. Analytica Chimica Acta, 2022, 1198, 339557.	2.6	13
124	Construction and evaluation of PVC conventional and tubular tripelennamine-selective electrodes: their application in pharmaceutical preparations. Journal of Pharmaceutical and Biomedical Analysis, 1996, 14, 931-938.	1.4	12
125	Backside-surface imprinting as a new strategy to generate specific plastic antibody materials. Journal of Materials Chemistry B, 2014, 2, 3087.	2.9	12
126	Specific label-free and real-time detection of oxidized low density lipoprotein (oxLDL) using an immunosensor with three monoclonal antibodies. Journal of Materials Chemistry B, 2014, 2, 477-484.	2.9	12

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127	New molecularly-imprinted polymer for carnitine and its application as ionophore in potentiometric selective membranes. Materials Science and Engineering C, 2014, 43, 481-487.	3.8	12
128	Determination of tartaric acid in wines by FIA with tubular tartrate-selective electrodes. Fresenius' Journal of Analytical Chemistry, 2001, 369, 446-450.	1.5	11
129	Determination of Microcystin-LR in waters in the subnanomolar range by solâ€“gel imprinted polymers on solid contact electrodes. Analyst, The, 2012, 137, 2437.	1.7	11
130	Optimizing potentiometric ionophore and electrode design for environmental on-site control of antibiotic drugs: Application to sulfamethoxazole. Biosensors and Bioelectronics, 2012, 35, 319-326.	5.3	11
131	Innovative screen-printed electrodes on cork composite substrates applied to sulfadiazine electrochemical sensing. Journal of Electroanalytical Chemistry, 2021, 880, 114922.	1.9	11
132	Ion-Selective Electrodes for Promethazine Determinations in Pharmaceutical Preparations and Application to Flow Injection Analysis. Journal of Pharmaceutical Sciences, 1997, 86, 1234-1238.	1.6	10
133	Electroanalytical Study of the Pesticide Ethiofencarb. Analytical Letters, 2006, 39, 2387-2403.	1.0	10
134	Surface Imprinting Approach on Screen Printed Electrodes Coated with Carboxylated PVC for Myoglobin detection with Electrochemical Transduction. Procedia Engineering, 2012, 47, 865-868.	1.2	10
135	Graphene-based biomimetic materials targeting urine metabolite as potential cancer biomarker: Application over different conductive materials for potentiometric transduction. Electrochimica Acta, 2014, 150, 99-107.	2.6	10
136	Sol-Gel-Based Biosensing Applied to Medicinal Science. Current Topics in Medicinal Chemistry, 2015, 15, 245-255.	1.0	10
137	Coupling gold nanoparticles to Dye-Sensitized Solar Cells for an increased efficiency. Electrochimica Acta, 2019, 300, 102-112.	2.6	10
138	Highly sensitive electrochemical immunosensor using a protein-polyvinylidene fluoride nanocomposite for human thyroglobulin. Bioelectrochemistry, 2021, 142, 107888.	2.4	10
139	Cellulose-based hydrogel on quantum dots with molecularly imprinted polymers for the detection of CA19-9 protein cancer biomarker. Mikrochimica Acta, 2022, 189, 134.	2.5	10
140	Potentiometric Biosensor Based on Artificial Antibodies for an Alzheimer Biomarker Detection. Applied Sciences (Switzerland), 2022, 12, 3625.	1.3	10
141	A waste management school approach towards sustainability. Resources, Conservation and Recycling, 2006, 48, 197-207.	5.3	9
142	Autonomous biosensing device merged with photovoltaic technology for cancer biomarker detection. Journal of Electroanalytical Chemistry, 2019, 855, 113611.	1.9	9
143	Fabrication and modification of homemade paper-based electrode systems. Talanta, 2021, 224, 121861.	2.9	9
144	An all-in-one approach for self-powered sensing: A methanol fuel cell modified with a molecularly imprinted polymer for cancer biomarker detection. Journal of Electroanalytical Chemistry, 2022, 906, 116009.	1.9	9

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145	Flow amperometric determination of carbofuran and fenobucarb. International Journal of Environmental Analytical Chemistry, 2008, 88, 37-49.	1.8	8
146	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. Analytical and Bioanalytical Chemistry, 2011, 401, 3355-3365.	1.9	8
147	Haemoglobin smart plastic antibody material tailored with charged binding sites on silica nanoparticles: its application as an ionophore in potentiometric transduction. RSC Advances, 2013, 3, 26210.	1.7	8
148	Protein imprinted materials designed with charged binding sites on screen-printed electrode for microseminoprotein-beta determination in biological samples. Sensors and Actuators B: Chemical, 2016, 223, 846-852.	4.0	8
149	Recent advances in virus imprinted polymers. Biosensors and Bioelectronics: X, 2022, 10, 100131.	0.9	8
150	Disposable solid state probe for optical screening of chlorpromazine. Mikrochimica Acta, 2011, 175, 323-331.	2.5	7
151	A Solid Binding Matrix/Mimic Receptor-Based Sensor System for Trace Level Determination of Iron Using Potential Measurements. International Journal of Electrochemistry, 2011, 2011, 1-10.	2.4	7
152	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. International Journal of Environmental Analytical Chemistry, 2012, 92, 479-495.	1.8	7
153	Molecularly Imprinted Solid Phase Extraction Aiding the Analysis of Disease Biomarkers. Critical Reviews in Analytical Chemistry, 2022, 52, 933-948.	1.8	7
154	PEDOT-graphene counter-electrode for solar and improved artificial light conversion in regular, bifacial and FTO-less cobalt mediated DSSCs. Electrochimica Acta, 2022, 412, 140140.	2.6	7
155	Host-Tailored Sensors for Leucomalachite Green Potentiometric Measurements. Journal of Chemistry, 2013, 2013, 1-13.	0.9	6
156	Carbon Electrodes with Gold Nanoparticles for the Electrochemical Detection of miRNA 21-5p. Chemosensors, 2022, 10, 189.	1.8	6
157	SPR based Studies for Pentagalloyl Glucose Binding to Î±-Amylase. Procedia Engineering, 2012, 47, 498-501.	1.2	5
158	The effect of method, standard and sample components on the total antioxidant capacity of commercial waters assessed by optical conventional assays. Food Chemistry, 2012, 134, 564-571.	4.2	5
159	Sol-Gel Chemistry in Biosensing Devices of Electrical Transduction: Application to CEA Cancer Biomarker. Current Topics in Medicinal Chemistry, 2015, 15, 256-261.	1.0	5
160	The modulatory role of internet-supported mindfulness-based cognitive therapy on extracellular vesicles and psychological distress in people who have had cancer: a protocol for a two-armed randomized controlled study. Trials, 2022, 23, 118.	0.7	5
161	Poly(Thionine)-Modified Screen-Printed Electrodes for CA 19-9 Detection and Its Properties in Raman Spectroscopy. Chemosensors, 2022, 10, 92.	1.8	5
162	A molecularly imprinted photonic polymer based on an inverse opal structure for sensing D-dimer at the point-of-care. Talanta, 2022, 243, 123387.	2.9	5

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163	Construction and Evaluation of Cysteine Selective Electrodes for FIA Analysis of Pharmaceuticals. Analytical Letters, 2003, 36, 2925-2940.	1.0	4
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