Jean-Louis Marty

List of Publications by Citations

238 papers	9,833 citations	58 h-index	83 g-index
240 ext. papers	10,920 ext. citations	5.9 avg, IF	6.7 L-index

#	Paper	IF	Citations
238	Aptamer-based colorimetric biosensing of Ochratoxin A using unmodified gold nanoparticles indicator. *Biosensors and Bioelectronics*, **2011**, 26, 2724-7	11.8	289
237	Twenty years research in cholinesterase biosensors: from basic research to practical applications. *New Biotechnology*, **2006**, 23, 1-15		284
236	Disposable screen printed electrochemical sensors: tools for environmental monitoring. *Sensors*, **2014**, 14, 10432-53	3.8	256
235	Immobilization of acetylcholinesterase on screen-printed electrodes: comparative study between three immobilization methods and applications to the detection of organophosphorus insecticides. *Analytica Chimica Acta*, **2002**, 464, 171-180	6.6	196
234	Severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2): a global pandemic and treatment strategies. *International Journal of Antimicrobial Agents*, **2020**, 56, 106054	14.3	168
233	Improved multianalyte detection of organophosphates and carbamates with disposable multielectrode biosensors using recombinant mutants of Drosophila acetylcholinesterase and artificial neural networks. *Biosensors and Bioelectronics*, **2000**, 15, 193-201	11.8	148
232	Biosensors for Pesticide Detection: New Trends. *American Journal of Analytical Chemistry*, **2012**, 03, 210-232	2.7	140
231	Electrochemical DNA aptamer-based biosensor for OTA detection, using superparamagnetic nanoparticles. *Sensors and Actuators B: Chemical*, **2011**, 156, 932-937	8.5	136
230	Acetylcholinesterase in organic solvents for the detection of pesticides: Biosensor application. *Biosensors and Bioelectronics*, **1994**, 9, 463-470	11.8	130
229	Label-free impedimetric immunosensor for sensitive detection of ochratoxin A. *Biosensors and Bioelectronics*, **2009**, 24, 1888-92	11.8	126
228	Enzyme-Linked Aptamer Assays (ELAAs), based on a competition format for a rapid and sensitive detection of Ochratoxin A in wine. *Food Control*, **2011**, 22, 737-743	6.2	125
227	Aptamer-based assays and aptasensors for detection of pathogenic bacteria in food samples. *TrAC - Trends in Analytical Chemistry*, **2018**, 107, 60-77	14.6	119
226	Aptamer-DNAzyme hairpins for biosensing of Ochratoxin A. *Biosensors and Bioelectronics*, **2012**, 32, 208-12	11.8	119
225	New biorecognition molecules in biosensors for the detection of toxins. *Biosensors and Bioelectronics*, **2017**, 87, 285-298	11.8	117
224	Novel highly-performing immunosensor-based strategy for ochratoxin A detection in wine samples. *Biosensors and Bioelectronics*, **2008**, 23, 995-1002	11.8	113
223	Aptamers: a promosing tool for ochratoxin A detection in food analysis. *Toxins*, **2013**, 5, 1988-2008	4.9	99
222	Biosensors to detect marine toxins: Assessing seafood safety. *Talanta*, **2007**, 72, 884-95	6.2	94

221	Screen-printed electrode based on AChE for the detection of pesticides in presence of organic solvents. *Talanta*, **2002**, 57, 169-76	6.2	93
220	Sensitive quantitation of Ochratoxin A in cocoa beans using differential pulse voltammetry based aptasensor. *Food Chemistry*, **2016**, 192, 799-804	8.5	92
219	An electrochemical aptasensor based on functionalized graphene oxide assisted electrocatalytic signal amplification of methylene blue for aflatoxin B1 detection. *Electrochimica Acta*, **2017**, 244, 96-103	6.7	91
218	Disposable and portable electrochemical aptasensor for label free detection of aflatoxin B1 in alcoholic beverages. *Sensors and Actuators B: Chemical*, **2016**, 235, 466-473	8.5	90
217	A novel automated flow-based biosensor for the determination of organophosphate pesticides in milk. *Biosensors and Bioelectronics*, **2012**, 32, 56-61	11.8	89
216	Development of an electrochemical biosensor for the detection of aflatoxin M1 in milk. *Sensors*, **2010**, 10, 9439-48	3.8	87
215	Biosensors based on highly sensitive acetylcholinesterases for enhanced carbamate insecticides detection. *Analytica Chimica Acta*, **2006**, 562, 115-121	6.6	85
214	Highly sensitive ochratoxin A impedimetric aptasensor based on the immobilization of azido-aptamer onto electrografted binary film via click chemistry. *Talanta*, **2013**, 103, 14-9	6.2	84
213	Screen-printed poly(3,4-ethylenedioxythiophene) (PEDOT): A new electrochemical mediator for acetylcholinesterase-based biosensors. *Talanta*, **2010**, 82, 957-61	6.2	82
212	Enzyme immobilization procedures on screen-printed electrodes used for the detection of anticholinesterase pesticides. *Analytica Chimica Acta*, **2004**, 523, 107-115	6.6	82
211	Current Trends in Nanomaterial-Based Amperometric Biosensors. *Sensors*, **2014**, 14, 23439-23461	3.8	81
210	Highly sensitive amperometric immunosensors for microcystin detection in algae. *Biosensors and Bioelectronics*, **2007**, 22, 1034-40	11.8	79
209	Highly sensitive detection of organophosphorus insecticides using magnetic microbeads and genetically engineered acetylcholinesterase. *Biosensors and Bioelectronics*, **2007**, 23, 506-12	11.8	79
208	A label free aptasensor for Ochratoxin A detection in cocoa beans: An application to chocolate industries. *Analytica Chimica Acta*, **2015**, 889, 106-12	6.6	77
207	Amperometric biosensor based on a high resolution photopolymer deposited onto a screen-printed electrode for phenolic compounds monitoring in tea infusions. *Talanta*, **2010**, 81, 1636-42	6.2	77
206	Electrochemical aptasensors for the assessment of food quality and safety. *TrAC - Trends in Analytical Chemistry*, **2016**, 79, 60-70	14.6	76
205	Advances in Enzyme-Based Biosensors for Pesticide Detection. *Biosensors*, **2018**, 8,	5.9	76
204	A review of the use of genetically engineered enzymes in electrochemical biosensors. *Seminars in Cell and Developmental Biology*, **2009**, 20, 3-9	7.5	76

203	Disposable and portable aptamer functionalized impedimetric sensor for detection of kanamycin residue in milk sample. *Sensors and Actuators B: Chemical*, **2017**, 245, 507-515	8.5	74
202	Detection of anatoxin-a(s) in environmental samples of cyanobacteria by using a biosensor with engineered acetylcholinesterases. *Applied and Environmental Microbiology*, **2002**, 68, 4102-6	4.8	74
201	Biosensors designed for environmental and food quality control based on screen-printed graphite electrodes with different configurations. *Analytical and Bioanalytical Chemistry*, **2002**, 374, 25-32	4.4	73
200	An electrochemical immunosensor for ochratoxin A based on immobilization of antibodies on diazonium-functionalized gold electrode. *Electrochimica Acta*, **2009**, 54, 2180-2184	6.7	70
199	Enzyme-linked immunosensor based on super paramagnetic nanobeads for easy and rapid detection of okadaic acid. *Analytica Chimica Acta*, **2011**, 690, 248-52	6.6	68
198	Disposable electrochemical aptasensor based on carbon nanotubes- V2O5-chitosan nanocomposite for detection of ciprofloxacin. *Sensors and Actuators B: Chemical*, **2018**, 268, 278-286	8.5	66
197	Fluorescence analyzer based on smartphone camera and wireless for detection of Ochratoxin A. *Sensors and Actuators B: Chemical*, **2016**, 232, 462-468	8.5	65
196	Enzymatic recycling-based amperometric immunosensor for the ultrasensitive detection of okadaic acid in shellfish. *Biosensors and Bioelectronics*, **2008**, 24, 716-22	11.8	64
195	Disposable cholinesterase biosensor for the detection of pesticides in water-miscible organic solvents. *Analytica Chimica Acta*, **2001**, 431, 231-237	6.6	64
194	Optical and Electrochemical Sensors and Biosensors for the Detection of Quinolones. *Trends in Biotechnology*, **2019**, 37, 898-915	15.1	63
193	Detection of antibiotics in food: New achievements in the development of biosensors. *TrAC - Trends in Analytical Chemistry*, **2020**, 127, 115883	14.6	63
192	Screen-printed electrodes with electropolymerized Meldola Blue as versatile detectors in biosensors. *Biosensors and Bioelectronics*, **2003**, 18, 781-90	11.8	63
191	Colorimetric cholesterol sensor based on peroxidase like activity of zinc oxide nanoparticles incorporated carbon nanotubes. *Talanta*, **2015**, 143, 157-161	6.2	62
190	Screen-printed biosensors for the control of wine quality based on lactate and acetaldehyde determination. *Analytica Chimica Acta*, **2002**, 458, 203-213	6.6	62
189	Sensitive amperometric biosensor for dichlorovos quantification: Application to detection of residues on apple skin. *Talanta*, **2008**, 74, 741-6	6.2	61
188	Enzyme sensor for the electrochemical detection of the marine toxin okadaic acid. *Analytica Chimica Acta*, **2007**, 605, 87-93	6.6	61
187	Development of an automated flow-based electrochemical aptasensor for on-line detection of Ochratoxin A. *Sensors and Actuators B: Chemical*, **2013**, 176, 1160-1166	8.5	60
186	An electrochemical immunosensor based on covalent immobilization of okadaic acid onto screen printed carbon electrode via diazotization-coupling reaction. *Talanta*, **2011**, 85, 513-8	6.2	59

185	Design of PEG-aptamer two piece macromolecules as convenient and integrated sensing platform: application to the label free detection of small size molecules. *Biosensors and Bioelectronics*, **2013**, 45, 168-73	11.8	58
184	A novel electrochemical aptamer-antibody sandwich assay for lysozyme detection. *Analyst, The*, **2015**, 140, 4148-53	5	58
183	Trends in Flow-based Biosensing Systems for Pesticide Assessment. *Sensors*, **2006**, 6, 1161-1186	3.8	58
182	Adsorption: an easy and efficient immobilisation of acetylcholinesterase on screen-printed electrodes. *Analytica Chimica Acta*, **2003**, 481, 209-211	6.6	58
181	Biosensors: potential in pesticide detection. *TrAC - Trends in Analytical Chemistry*, **1995**, 14, 329-333	14.6	58
180	Electrochemical impedimetric immunosensor for the detection of okadaic acid in mussel sample. *Sensors and Actuators B: Chemical*, **2012**, 171-172, 810-815	8.5	56
179	Direct detection of OTA by impedimetric aptasensor based on modified polypyrrole-dendrimers. *Analytica Chimica Acta*, **2016**, 920, 37-46	6.6	56
178	Recent advances in ochratoxin A-producing fungi detection based on PCR methods and ochratoxin A analysis in food matrices. *Food Control*, **2012**, 26, 401-415	6.2	55
177	Site-specific immobilization of a (His)6-tagged acetylcholinesterase on nickel nanoparticles for highly sensitive toxicity biosensors. *Biosensors and Bioelectronics*, **2011**, 30, 43-8	11.8	55
176	Comparative investigation between acetylcholinesterase obtained from commercial sources and genetically modified Drosophila melanogaster: application in amperometric biosensors for methamidophos pesticide detection. *Biosensors and Bioelectronics*, **2004**, 20, 825-32	11.8	55
175	Versatile method of cholinesterase immobilisation via affinity bonds using Concanavalin A applied to the construction of a screen-printed biosensor. *Biosensors and Bioelectronics*, **2004**, 20, 217-25	11.8	55
174	Acetylcholinesterase-based biosensors for quantification of carbofuran, carbaryl, methylparaoxon, and dichlorvos in 5% acetonitrile. *Analytical and Bioanalytical Chemistry*, **2008**, 392, 699-707	4.4	54
173	Detection of organophosphorus insecticides with immobilized acetylcholinesterase - comparative study of two enzyme sensors. *Analytical and Bioanalytical Chemistry*, **2002**, 374, 39-45	4.4	54
172	Label-Free Aptasensors for the Detection of Mycotoxins. *Sensors*, **2016**, 16,	3.8	54
171	A Review of the Construction of Nano-Hybrids for Electrochemical Biosensing of Glucose. *Biosensors*, **2019**, 9,	5.9	53
170	A bio-sniffer stick with FALDH (formaldehyde dehydrogenase) for convenient analysis of gaseous formaldehyde. *Sensors and Actuators B: Chemical*, **2008**, 130, 32-37	8.5	53
169	Impedimetric aflatoxin M1 immunosensor based on colloidal gold and silver electrodeposition. *Sensors and Actuators B: Chemical*, **2009**, 138, 214-220	8.5	52
168	Towards the protein phosphatase-based biosensor for microcystin detection. *Biosensors and Bioelectronics*, **2005**, 20, 1520-30	11.8	52

167	Chronoamperometric determination of d-lactate using screen-printed enzyme electrodes. *Analytica Chimica Acta*, **2001**, 433, 81-88	6.6	52
166	Development of a portable and disposable NS1 based electrochemical immunosensor for early diagnosis of dengue virus. *Analytica Chimica Acta*, **2018**, 1026, 1-7	6.6	51
165	Detection of Antibiotics and Evaluation of Antibacterial Activity with Screen-Printed Electrodes. *Sensors*, **2018**, 18,	3.8	51
164	Acetylcholine enzyme sensor for determining methamidophos insecticide. *Analytica Chimica Acta*, **2001**, 434, 1-8	6.6	49
163	Electrochemical Affinity Biosensors Based on Disposable Screen-Printed Electrodes for Detection of Food Allergens. *Sensors*, **2016**, 16,	3.8	49
162	Development of structure switching aptamer assay for detection of aflatoxin M1 in milk sample. *Talanta*, **2016**, 158, 35-41	6.2	49
161	Development of a colorimetric inhibition assay for microcystin-LR detection: comparison of the sensitivity of different protein phosphatases. *Talanta*, **2011**, 85, 2498-503	6.2	48
160	Determination of Mycotoxins in Food: A Review of Bioanalytical to Analytical Methods. *Applied Spectroscopy Reviews*, **2015**, 50, 728-774	4.5	47
159	Label free aptasensor for Lysozyme detection: A comparison of the analytical performance of two aptamers. *Bioelectrochemistry*, **2015**, 105, 72-7	5.6	47
158	Sensitive analytical performance of folding based biosensor using methylene blue tagged aptamers. *Talanta*, **2016**, 153, 138-44	6.2	46
157	Recent advances and achievements in nanomaterial-based, and structure switchable aptasensing platforms for ochratoxin A detection. *Sensors*, **2013**, 13, 15187-208	3.8	46
156	Alumina sol-gel/sonogel-carbon electrode based on acetylcholinesterase for detection of organophosphorus pesticides. *Talanta*, **2008**, 77, 217-21	6.2	46
155	Rapid high-throughput analysis of ochratoxin A by the self-assembly of DNAzyme-aptamer conjugates in wine. *Talanta*, **2013**, 116, 520-6	6.2	45
154	Enzyme inhibition-based biosensor for the electrochemical detection of microcystins in natural blooms of cyanobacteria. *Talanta*, **2007**, 72, 179-86	6.2	45
153	Detection of the marine toxin okadaic acid: assessing seafood safety. *Talanta*, **2013**, 105, 306-16	6.2	44
152	High sensitive bienzymic sensor for the detection of dithiocarbamate fungicides. *Analytica Chimica Acta*, **1997**, 347, 63-70	6.6	44
151	Rapid determination of pesticide mixtures using disposable biosensors based on genetically modified enzymes and artificial neural networks. *Sensors and Actuators B: Chemical*, **2012**, 164, 22-28	8.5	43
150	Amperometric determination of choline and acetylcholine with enzymes immobilized in a photocross-linkable polymer. *Analytica Chimica Acta*, **1990**, 228, 49-53	6.6	43

149	Aptamer-based zearalenone assay based on the use of a fluorescein label and a functional graphene oxide as a quencher. *Mikrochimica Acta*, **2017**, 184, 4401-4408	5.8	42
148	Diazonium-functionalized tyrosinase-based biosensor for the detection of tea polyphenols. *Mikrochimica Acta*, **2010**, 171, 187-193	5.8	42
147	Insecticide identification using a flow injection analysis system with biosensors based on various cholinesterases. *Analytica Chimica Acta*, **2005**, 539, 195-201	6.6	42
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145	A highly sensitive electrochemical immunosensor for zearalenone using screen-printed disposable electrodes. *Journal of Electroanalytical Chemistry*, **2019**, 832, 336-342	4.1	41
144	Carboxylic group riched graphene oxide based disposable electrochemical immunosensor for cancer biomarker detection. *Analytical Biochemistry*, **2018**, 545, 13-19	3.1	40
143	Development of a cytochrome c-based screen-printed biosensor for the determination of the antioxidant capacity of orange juices. *Bioelectrochemistry*, **2009**, 76, 76-80	5.6	40
142	Gold nanoparticle decorated single walled carbon nanotube nanocomposite with synergistic peroxidase like activity for D-alanine detection. *RSC Advances*, **2015**, 5, 24853-24858	3.7	39
141	Designed Strategies for Fluorescence-Based Biosensors for the Detection of Mycotoxins. *Toxins*, **2018**, 10,	4.9	38
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139	Bi-enzyme amperometric d-lactate sensor using macromolecular NAD+. *Analytica Chimica Acta*, **1995**, 315, 297-302	6.6	38
138	Nano-Aptasensing in Mycotoxin Analysis: Recent Updates and Progress. *Toxins*, **2017**, 9,	4.9	36
137	Development of a novel label-free amperometric immunosensor for the detection of okadaic acid. *Analytica Chimica Acta*, **2012**, 724, 92-7	6.6	36
136	Development of an aptasensor based on a fluorescent particles-modified aptamer for ochratoxin A detection. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 7815-22	4.4	35
135	Automated flow based biosensor for quantification of binary organophosphates mixture in milk using artificial neural network. *Sensors and Actuators B: Chemical*, **2015**, 208, 228-237	8.5	35
134	Automated flow-through amperometric immunosensor for highly sensitive and on-line detection of okadaic acid in mussel sample. *Talanta*, **2012**, 99, 232-7	6.2	35
133	Development of a portable biosensor for screening neurotoxic agents in water samples. *Talanta*, **2008**, 75, 1208-13	6.2	35
132	Recent developments in non-enzymatic (bio)sensors for detection of pesticide residues: Focusing on antibody, aptamer and molecularly imprinted polymer. *Talanta*, **2021**, 232, 122397	6.2	35

131	An Overview on Recent Progress in Electrochemical Biosensors for Antimicrobial Drug Residues in Animal-Derived Food. *Sensors*, **2017**, 17,	3.8	34
130	Reusable ethanol sensor based on a NAD+-dependent dehydrogenase without coenzyme addition. *Analytica Chimica Acta*, **1997**, 340, 143-148	6.6	34
129	Electronic Tongue Using an Enzyme Inhibition Biosensor Array for the Resolution of Pesticide Mixtures. *Electroanalysis*, **2008**, 20, 54-60	3	34
128	Sensitive biosensor based on recombinant PP1 for microcystin detection. *Biosensors and Bioelectronics*, **2015**, 67, 700-7	11.8	33
127	Label free aptasensor for ochratoxin A detection using polythiophene-3-carboxylic acid. *Talanta*, **2018**, 185, 513-519	6.2	33
126	The use of Artificial Neural Networks for the selective detection of two organophosphate insecticides: chlorpyrifos and chlorfenvinfos. *Talanta*, **2009**, 79, 507-11	6.2	33
125	Reagentless ethanol sensor based on a NAD-dependent dehydrogenase. *Biosensors and Bioelectronics*, **1997**, 12, 1083-1088	11.8	33
124	Advantages of Carbon Nanomaterials in Electrochemical Aptasensors for Food Analysis. *Electroanalysis*, **2018**, 30, 2-19	3	32
123	Development of an oligosorbent for detection of ochratoxin A. *Food Control*, **2011**, 22, 1790-1796	6.2	32
122	Kinetic insight into the mechanism of cholinesterasterase inhibition by aflatoxin B1 to develop biosensors. *Biosensors and Bioelectronics*, **2009**, 24, 2119-24	11.8	32
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119	Impact of pH on the stability and the cross-reactivity of ochratoxin A and citrinin. *Toxins*, **2013**, 5, 2324-40	4.9	31
118	Organophosphorus insecticides extraction and heterogeneous oxidation on column for analysis with an acetylcholinesterase (AChE) biosensor. *Analytica Chimica Acta*, **2006**, 578, 162-9	6.6	31
117	Cholinesterase immobilisation on the surface of screen-printed electrodes based on concanavalin A affinity. *Analytica Chimica Acta*, **2005**, 530, 1-6	6.6	31
116	Tetramethyl-6-carboxyrhodamine quenching-based aptasensing platform for aflatoxin B1: Analytical performance comparison of two aptamers. *Analytical Biochemistry*, **2016**, 508, 19-24	3.1	29
115	Recent Advances in Electrochemical-Based Sensing Platforms for Aflatoxins Detection. *Chemosensors*, **2017**, 5, 1	4	29
114	Phosphotriesterase: a complementary tool for the selective detection of two organophosphate insecticides: chlorpyrifos and chlorfenvinfos. *Talanta*, **2009**, 77, 1627-31	6.2	29

113	DEVELOPMENT OF A DISPOSABLE BIOSENSOR FOR THE DETECTION OF METAM-SODIUM AND ITS METABOLITE MITC. *Analytical Letters*, **2001**, 34, 513-528	2.2	29
112	Electrospinning of graphene-oxide onto screen printed electrodes for heavy metal biosensor. *Sensors and Actuators B: Chemical*, **2017**, 247, 366-373	8.5	28
111	Development of an Impedimetric Aptasensor for Label Free Detection of Patulin in Apple Juice. *Molecules*, **2019**, 24,	4.8	28
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109	A novel colorimetric competitive aptamer assay for lysozyme detection based on superparamagnetic nanobeads. *Talanta*, **2017**, 165, 436-441	6.2	27
108	Design of a novel magnetic particles based electrochemical biosensor for organophosphate insecticide detection in flow injection analysis. *Sensors and Actuators B: Chemical*, **2015**, 208, 491-496	8.5	27
107	An Overview of Recent Electrochemical Immunosensing Strategies for Mycotoxins Detection. *Electroanalysis*, **2016**, 28, 1750-1763	3	26
106	Development of an efficient protein phosphatase-based colorimetric test for okadaic acid detection. *Analytica Chimica Acta*, **2011**, 702, 262-8	6.6	26
105	Detection of ochratoxin A in aptamer assay using total internal reflection ellipsometry. *Sensors and Actuators B: Chemical*, **2018**, 263, 248-251	8.5	25
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103	Electrochemistry and biosensing activity of cytochrome c immobilized in macroporous materials. *Mikrochimica Acta*, **2011**, 175, 87-95	5.8	24
102	Nanozeolite-assembled interface towards sensitive biosensing. *Electrochemistry Communications*, **2007**, 9, 1525-1529	5.1	24
101	Enzymatic recycling for signal amplification: Improving microcystin detection with biosensors. *Sensors and Actuators B: Chemical*, **2008**, 129, 263-267	8.5	24
100	Affinity Methods to Immobilize Acetylcholinesterases for Manufacturing Biosensors. *Analytical Letters*, **2004**, 37, 1571-1588	2.2	24
99	A novel microbial sensor using luminous bacteria. *Biosensors and Bioelectronics*, **1992**, 7, 273-7	11.8	24
98	Titanium Dioxide Nanoparticles (TiO)Quenching Based Aptasensing Platform: Application to Ochratoxin A Detection. *Toxins*, **2015**, 7, 3771-84	4.9	23
97	Nano-Engineered Biomimetic Optical Sensors for Glucose Monitoring in Diabetes. *Sensors*, **2016**, 16,	3.8	23
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94	Electrochemical aptamer-based sensors. *Bioanalytical Reviews*, **2010**, 1, 141-157	1	22
93	Reagentless Sensors for Acetaldehyde. *Analytical Letters*, **1997**, 30, 1069-1080	2.2	22
92	Catechol monophosphate as a new substrate for screen-printed amperometric biosensors with immobilized phosphatases. *Sensors and Actuators B: Chemical*, **2006**, 113, 787-796	8.5	22
91	Development of Highly Sensitive Sensor Based on Bioengineered Acetylcholinesterase Immobilized by Affinity Method. *Analytical Letters*, **2003**, 36, 1865-1885	2.2	22
90	Characterization of the gold-catalyzed deposition of silver on graphite screen-printed electrodes and their application to the development of impedimetric immunosensors. *Talanta*, **2009**, 80, 942-6	6.2	21
89	Strategies to develop malic acid biosensors based on malate quinone oxidoreductase (MQO). *Biosensors and Bioelectronics*, **2006**, 21, 2290-7	11.8	21
88	Strategies for developing NADH detectors based on Meldola Blue and screen-printed electrodes: a comparative study. *Talanta*, **2003**, 59, 751-65	6.2	21
87	A simple colorimetric enzymatic-assay for okadaic acid detection based on the immobilization of protein phosphatase 2A in sol-gel. *Applied Biochemistry and Biotechnology*, **2012**, 166, 47-56	3.2	20
86	Automatic Electronic Tongue for On-Line Detection and Quantification of Organophosphorus and Carbamate Pesticides Using Enzymatic Screen Printed Biosensors. *Analytical Letters*, **2013**, 46, 1743-1757	2.2	20
85	Improvement of the efficiency and simplification of ELISA tests for rapid and ultrasensitive detection of okadaic acid in shellfish. *Food Control*, **2013**, 30, 144-149	6.2	20
84	Design of a redox-active surface for ultrasensitive redox capacitive aptasensing of aflatoxin M1 in milk. *Talanta*, **2019**, 195, 525-532	6.2	20
83	Electrochemical characterization of a superoxide biosensor based on the co-immobilization of cytochrome c and XOD on SAM-modified gold electrodes and application to garlic samples. *Talanta*, **2009**, 79, 289-94	6.2	19
82	Artificial neural network implementation in single low-cost chip for the detection of insecticides by modeling of screen-printed enzymatic sensors response. *Computers and Electronics in Agriculture*, **2010**, 74, 223-229	6.5	19
81	Textural characterisation of graphite matrices using electrochemical methods. *Carbon*, **2003**, 41, 123-130	10.4	19
80	An enhanced Nonenzymatic Electrochemical Glucose Sensor Based on Copper-Palladium Nanoparticles Modified Glassy Carbon Electrodes. *Electroanalysis*, **2018**, 30, 1811-1819	3	18
79	Biosensor-controlled degradation of chlorpyrifos and chlorfenvinfos using a phosphotriesterase-based detoxification column. *Chemosphere*, **2010**, 78, 1-6	8.4	18
78	Development of an EnFET for the detection of organophosphorous and carbamate insecticides. *Analytical and Bioanalytical Chemistry*, **2003**, 376, 476-80	4.4	18

77	Low cost optical device for detection of fluorescence from Ochratoxin A using a CMOS sensor. *Sensors and Actuators B: Chemical*, **2017**, 246, 606-614	8.5	17
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75	An Electrochemical Method for Sensitive Determination of Antioxidant Capacity. *Electroanalysis*, **2009**, 21, 1395-1400	3	17
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