

Giuseppe Palleschi

List of Publications by Year in descending order

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198
papers

12,105
citations

18465

62
h-index

32815

100
g-index

201
all docs

201
docs citations

201
times ranked

10870
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzyme inhibition-based biosensors for food safety and environmental monitoring. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1405-1423.	5.3	528
2	Carbon Nanotube Purification: Preparation and Characterization of Carbon Nanotube Paste Electrodes. <i>Analytical Chemistry</i> , 2003, 75, 5413-5421.	3.2	524
3	Prussian Blue based screen printed biosensors with improved characteristics of long-term lifetime and pH stability. <i>Biosensors and Bioelectronics</i> , 2003, 18, 165-174.	5.3	314
4	Electrochemical biosensors based on nanomodified screen-printed electrodes: Recent applications in clinical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 114-126.	5.8	303
5	A review on novel developments and applications of immunosensors in food analysis. <i>Analytica Chimica Acta</i> , 2007, 605, 111-129.	2.6	299
6	A review of experimental aspects of electrochemical immunosensors. <i>Electrochimica Acta</i> , 2012, 84, 74-83.	2.6	269
7	Construction and Analytical Characterization of Prussian Blue-Based Carbon Paste Electrodes and Their Assembly as Oxidase Enzyme Sensors. <i>Analytical Chemistry</i> , 2001, 73, 2529-2535.	3.2	227
8	Detection of carbamic and organophosphorous pesticides in water samples using a cholinesterase biosensor based on Prussian Blue-modified screen-printed electrode. <i>Analytica Chimica Acta</i> , 2006, 580, 155-162.	2.6	226
9	Low Doses of Pristine and Oxidized Single-Wall Carbon Nanotubes Affect Mammalian Embryonic Development. <i>ACS Nano</i> , 2011, 5, 4624-4633.	7.3	201
10	Recent advances in biosensors based on enzyme inhibition. <i>Biosensors and Bioelectronics</i> , 2016, 76, 180-194.	5.3	180
11	Electrochemical immunosensor array using a 96-well screen-printed microplate for aflatoxin B1 detection. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1434-1440.	5.3	170
12	Novel reagentless paper-based screen-printed electrochemical sensor to detect phosphate. <i>Analytica Chimica Acta</i> , 2016, 919, 78-84.	2.6	156
13	An electrochemical immunosensor for aflatoxin M1 determination in milk using screen-printed electrodes. <i>Biosensors and Bioelectronics</i> , 2005, 21, 588-596.	5.3	150
14	Bismuth-modified electrodes for lead detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1295-1304.	5.8	141
15	Biosensors based on cholinesterase inhibition for insecticides, nerve agents and aflatoxin B1 detection (review). <i>Mikrochimica Acta</i> , 2010, 170, 193-214.	2.5	140
16	New electrochemical sensors for detection of nitrites and nitrates. <i>Journal of Electroanalytical Chemistry</i> , 2001, 509, 66-72.	1.9	137
17	How cutting-edge technologies impact the design of electrochemical (bio)sensors for environmental analysis. A review. <i>Analytica Chimica Acta</i> , 2017, 959, 15-42.	2.6	133
18	Fully integrated ready-to-use paper-based electrochemical biosensor to detect nerve agents. <i>Biosensors and Bioelectronics</i> , 2017, 93, 46-51.	5.3	129

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19	Enzyme electrodes with improved mechanical and analytical characteristics obtained by binding enzymes to nylon nets. <i>Analytica Chimica Acta</i> , 1983, 146, 135-148.	2.6	125
20	Prussian Blue and enzyme bulk-modified screen-printed electrodes for hydrogen peroxide and glucose determination with improved storage and operational stability. <i>Analytica Chimica Acta</i> , 2003, 485, 111-120.	2.6	121
21	Carbon nanotubes as electrode materials for the assembling of new electrochemical biosensors. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 117-125.	4.0	119
22	Graphene nanoribbons produced by the oxidative unzipping of single-wall carbon nanotubes. <i>Carbon</i> , 2010, 48, 2596-2602.	5.4	119
23	Nanostructured (Bio)sensors for smart agriculture. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 98, 95-103.	5.8	115
24	Acetylcholinesterase sensor based on screen-printed carbon electrode modified with prussian blue. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 597-604.	1.9	114
25	Screen-Printed Electrodes Modified with Carbon Nanomaterials: A Comparison among Carbon Black, Carbon Nanotubes and Graphene. <i>Electroanalysis</i> , 2015, 27, 2230-2238.	1.5	112
26	High performance electrochemical sensor based on modified screen-printed electrodes with cost-effective dispersion of nanostructured carbon black. <i>Electrochemistry Communications</i> , 2010, 12, 346-350.	2.3	111
27	Carbon Black-Modified Screen-Printed Electrodes as Electroanalytical Tools. <i>Electroanalysis</i> , 2012, 24, 743-751.	1.5	111
28	Acetylcholinesterase biosensor based on self-assembled monolayer-modified gold-screen printed electrodes for organophosphorus insecticide detection. <i>Sensors and Actuators B: Chemical</i> , 2013, 179, 201-208.	4.0	110
29	Monoclonal antibody based electrochemical immunosensor for the determination of ochratoxin A in wheat. <i>Talanta</i> , 2006, 69, 1031-1037.	2.9	108
30	Single-Wall Carbon Nanotube Paste Electrodes: a Comparison with Carbon Paste, Platinum and Glassy Carbon Electrodes via Cyclic Voltammetric Data. <i>Electroanalysis</i> , 2004, 16, 1451-1458.	1.5	105
31	Characterisation of Prussian blue modified screen-printed electrodes for thiol detection. <i>Journal of Electroanalytical Chemistry</i> , 2004, 563, 229-237.	1.9	102
32	Acetylcholinesterase biosensor based on single-walled carbon nanotubes- Co phthalocyanine for organophosphorus pesticides detection. <i>Talanta</i> , 2011, 85, 216-221.	2.9	97
33	Carbon black as successful screen-printed electrode modifier for phenolic compound detection. <i>Electrochemistry Communications</i> , 2015, 60, 78-82.	2.3	95
34	Hg^{2+} detection by measuring thiol groups with a highly sensitive screen-printed electrode modified with a nanostructured carbon black film. <i>Electrochimica Acta</i> , 2011, 56, 4209-4215.	2.6	93
35	Phosphate Detection through a Cost-Effective Carbon Black Nanoparticle-Modified Screen-Printed Electrode Embedded in a Continuous Flow System. <i>Environmental Science & Technology</i> , 2015, 49, 7934-7939.	4.6	92
36	The electrochemical detection of ammonia in drinking water based on multi-walled carbon nanotube/copper nanoparticle composite paste electrodes. <i>Sensors and Actuators B: Chemical</i> , 2007, 128, 326-333.	4.0	91

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37	A study of interferences in glucose measurements in blood by hydrogen peroxide based glucose probes. <i>Analytical Biochemistry</i> , 1986, 159, 114-121.	1.1	90
38	Development of a bio-electrochemical assay for AFB1 detection in olive oil. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1962-1968.	5.3	89
39	Screen-printed biosensor modified with carbon black nanoparticles for the determination of paraoxon based on the inhibition of butyrylcholinesterase. <i>Mikrochimica Acta</i> , 2015, 182, 643-651.	2.5	88
40	A lactate electrode with lactate oxidase immobilized on nylon net for blood serum samples in flow systems. <i>Analytica Chimica Acta</i> , 1984, 157, 45-51.	2.6	87
41	Fast, sensitive and cost-effective detection of nerve agents in the gas phase using a portable instrument and an electrochemical biosensor. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1049-1057.	1.9	87
42	Using Triplex-Forming Oligonucleotide Probes for the Reagentless, Electrochemical Detection of Double-Stranded DNA. <i>Analytical Chemistry</i> , 2010, 82, 9109-9115.	3.2	87
43	Screen-printed electrode modified with carbon black nanoparticles for phosphate detection by measuring the electroactive phosphomolybdate complex. <i>Talanta</i> , 2015, 141, 267-272.	2.9	87
44	Surface chemistry effects on the performance of an electrochemical DNA sensor. <i>Bioelectrochemistry</i> , 2009, 76, 208-213.	2.4	86
45	Investigation of amperometric detection of phosphate. <i>Talanta</i> , 2004, 63, 567-574.	2.9	83
46	Uricase biosensor based on a screen-printed electrode modified with Prussian blue for detection of uric acid in human blood serum. <i>Sensors and Actuators B: Chemical</i> , 2013, 179, 170-174.	4.0	83
47	Low-cost and reagent-free paper-based device to detect chloride ions in serum and sweat. <i>Talanta</i> , 2018, 179, 186-192.	2.9	83
48	Electrochemical immunosensor for determination of aflatoxin B1 in barley. <i>Analytica Chimica Acta</i> , 2004, 520, 159-164.	2.6	81
49	Effective electrochemical sensor based on screen-printed electrodes modified with a carbon black-Au nanoparticles composite. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 536-543.	4.0	81
50	Enzymatic Spectrophotometric Method for Aflatoxin B Detection Based on Acetylcholinesterase Inhibition. <i>Analytical Chemistry</i> , 2007, 79, 3409-3415.	3.2	80
51	Development of a Hydrogen Peroxide Sensor Based on Screen-Printed Electrodes Modified with Inkjet-Printed Prussian Blue Nanoparticles. <i>Sensors</i> , 2014, 14, 14222-14234.	2.1	80
52	Quality evaluation of peaches and nectarines by electrochemical and multivariate analyses: relationships between analytical measurements and sensory attributes. <i>Food Chemistry</i> , 1997, 60, 659-666.	4.2	77
53	Determinants of the Detection Limit and Specificity of Surface-Based Biosensors. <i>Analytical Chemistry</i> , 2013, 85, 6593-6597.	3.2	77
54	Stripping Analysis of As(III) by Means of Screen-Printed Electrodes Modified with Gold Nanoparticles and Carbon Black Nanocomposite. <i>Electroanalysis</i> , 2014, 26, 931-939.	1.5	76

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55	Aflatoxin M1 determination in raw milk using a flow-injection immunoassay system. <i>Analytica Chimica Acta</i> , 2004, 520, 141-148.	2.6	74
56	Development of a recombinant Fab-fragment based electrochemical immunosensor for deoxynivalenol detection in food samples. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2615-2621.	5.3	70
57	Phosphate, Nitrate, and Sulfate Biosensors. <i>Analytical Letters</i> , 2004, 37, 1-19.	1.0	69
58	Comparison of PCR, Electrochemical Enzyme-Linked Immunosorbent Assays, and the Standard Culture Method for Detecting Salmonella in Meat Products. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1393-1396.	1.4	68
59	Disposable immunosensor for the determination of domoic acid in shellfish. <i>Biosensors and Bioelectronics</i> , 2004, 20, 190-196.	5.3	67
60	A reagent-free paper-based sensor embedded in a 3D printing device for cholinesterase activity measurement in serum. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 1015-1021.	4.0	67
61	Novel planar glucose biosensors for continuous monitoring use. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1993-2000.	5.3	66
62	Cholinesterase sensors based on screen-printed electrodes for detection of organophosphorus and carbamic pesticides. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 624-631.	1.9	65
63	Electroanalytical Characterization of Carbon Black Nanomaterial Paste Electrode: Development of Highly Sensitive Tyrosinase Biosensor for Catechol Detection. <i>Analytical Letters</i> , 2010, 43, 1688-1702.	1.0	64
64	Carbon Paste Electrode Bulk-Modified with the Conducting Polymer Poly(1,8-Diaminonaphthalene): Application to Lead Determination. <i>Mikrochimica Acta</i> , 2003, 143, 195-204.	2.5	62
65	Iron(III) protoporphyrin IX single-wall carbon nanotubes modified electrodes for hydrogen peroxide and nitrite detection. <i>Electrochimica Acta</i> , 2006, 51, 6435-6441.	2.6	62
66	Electrochemical Biosensors for Rapid Detection of Foodborne Salmonella: A Critical Overview. <i>Sensors</i> , 2017, 17, 1910.	2.1	62
67	Electroanalytical Study of Prussian Blue Modified Glassy Carbon Paste Electrodes. <i>Electroanalysis</i> , 2003, 15, 1204-1211.	1.5	61
68	A probe for NADH and H ₂ O ₂ amperometric detection at low applied potential for oxidase and dehydrogenase based biosensor applications. <i>Biosensors and Bioelectronics</i> , 2007, 22, 854-862.	5.3	61
69	Electrocatalytic oxidation of thiocholine at chemically modified cobalt hexacyanoferrate screen-printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2009, 626, 66-74.	1.9	59
70	Rapid Assay of Choline in Foods Using Microwave Hydrolysis and a Choline Biosensor. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 3403-3407.	2.4	58
71	Detection of NADH via electrocatalytic oxidation at single-walled carbon nanotubes modified with Variamine blue. <i>Electrochimica Acta</i> , 2008, 53, 2161-2169.	2.6	56
72	Disposable electrochemical immunosensor for cortisol determination in human saliva. <i>Talanta</i> , 2018, 188, 50-57.	2.9	56

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73	Detection of Aflatoxin B1 in Barley: Comparative Study of Immunosensor and HPLC. <i>Analytical Letters</i> , 2006, 39, 1559-1572.	1.0	55
74	Cardiac autonomic regulation after lung exposure to carbon nanotubes. <i>Human and Experimental Toxicology</i> , 2009, 28, 369-375.	1.1	55
75	Cholesterol biosensor based on inkjet-printed Prussian blue nanoparticle-modified screen-printed electrodes. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 187-190.	4.0	55
76	Development of a disposable biosensor for lactate monitoring in saliva. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 8-15.	4.0	55
77	A label-free impedimetric aptasensor for the detection of <i>Bacillus anthracis</i> spore simulant. <i>Biosensors and Bioelectronics</i> , 2019, 126, 640-646.	5.3	55
78	The NADH Electrochemical Detection Performed at Carbon Nanofibers Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2007, 19, 1455-1459.	1.5	53
79	Microengine-assisted electrochemical measurements at printable sensor strips. <i>Chemical Communications</i> , 2015, 51, 8668-8671.	2.2	52
80	Heat-treated milk differentiation by a sensitive lactulose assay. <i>Food Chemistry</i> , 2004, 84, 447-450.	4.2	51
81	Rapid determination of lactulose in milk by microdialysis and biosensors. <i>Analyst, The</i> , 1999, 124, 325-329.	1.7	49
82	An ELIME-array for detection of aflatoxin B1 in corn samples. <i>Food Control</i> , 2009, 20, 371-375.	2.8	48
83	Development of an Electrochemical Immunosensor for Ochratoxin A. <i>Analytical Letters</i> , 2004, 37, 1545-1558.	1.0	47
84	Lead Determination by Anodic Stripping Voltammetry Using ap-Phenylenediamine Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2005, 17, 685-693.	1.5	47
85	Amperometric biosensor based on Prussian Blue-modified screen-printed electrode for lipase activity and triacylglycerol determination. <i>Analytica Chimica Acta</i> , 2007, 594, 1-8.	2.6	47
86	Part I: A comparative study of bismuth-modified screen-printed electrodes for lead detection. <i>Analytica Chimica Acta</i> , 2011, 707, 171-177.	2.6	46
87	Production of antibodies and development of highly sensitive formats of enzyme immunoassay for saxitoxin analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 678-684.	1.9	45
88	Electrochemical biosensors for monitoring malolactic fermentation in red wine using two strains of <i>Oenococcus oeni</i> . <i>Analytica Chimica Acta</i> , 2004, 513, 357-364.	2.6	45
89	Determination of choline-containing phospholipids in human bile and serum by a new enzyme sensor. <i>Clinica Chimica Acta</i> , 1985, 151, 71-83.	0.5	44
90	Oxidase enzyme immobilisation through electropolymerised films to assemble biosensors for batch and flow injection analysis. <i>Biosensors and Bioelectronics</i> , 2003, 18, 689-698.	5.3	44

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91	Chemical compounds and sensory assessment of kiwifruit (<i>Actinidia chinensis</i> (Planch.) var.) Tj ETQq1 1 0.784314 4.2 / Overlock 10	4.2	43
92	Electrosynthesis of poly-o-diaminobenzene on the Prussian Blue modified electrodes for improvement of hydrogen peroxide transducer characteristics. <i>Bioelectrochemistry</i> , 2002, 55, 145-148.	2.4	43
93	Glutathione amperometric detection based on a thiolâ€“disulfide exchange reaction. <i>Analytica Chimica Acta</i> , 2006, 558, 164-170.	2.6	43
94	A disposable immunosensor for detection of 17Î²-estradiol in non-extracted bovine serum. <i>Analytica Chimica Acta</i> , 2006, 572, 11-16.	2.6	42
95	Amperometric biosensor for determination of lactate in sweat. <i>Analytica Chimica Acta</i> , 1993, 278, 35-40.	2.6	41
96	Extraction and Detection of Pesticides by Cholinesterase Inhibition in a Twoâ€“Phase System: a Strategy to Avoid Heavy Metal Interference. <i>Analytical Letters</i> , 2005, 38, 1703-1719.	1.0	41
97	Toward continuous glucose monitoring with planar modified biosensors and microdialysis. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2032-2039.	5.3	41
98	Employing the Metabolic â€œBranch Point Effectâ€“to Generate an All-or-None, Digital-like Response in Enzymatic Outputs and Enzyme-Based Sensors. <i>Analytical Chemistry</i> , 2012, 84, 1076-1082.	3.2	41
99	A liver tissue-based electrochemical sensor for hydrogen peroxide. <i>Analytica Chimica Acta</i> , 1982, 138, 65-69.	2.6	40
100	A flow-through detector for simultaneous determination of glucose and urea in serum samples. <i>Analytica Chimica Acta</i> , 1983, 145, 213-217.	2.6	40
101	Reversible Enzyme Inhibitionâ€“Based Biosensors: Applications and Analytical Improvement Through Diagnostic Inhibition. <i>Analytical Letters</i> , 2009, 42, 1258-1293.	1.0	40
102	Direct Electrochemistry of Heme Proteins on Electrodes Modified with Didodecyldimethyl Ammonium Bromide and Carbon Black. <i>Electroanalysis</i> , 2012, 24, 1923-1931.	1.5	40
103	Glassy carbon electrodes modified with hemin-carbon nanomaterial films for amperometric H ₂ O ₂ and NO ₂ ⁻ detection. <i>Electrochimica Acta</i> , 2012, 63, 37-46.	2.6	40
104	Probe accessibility effects on the performance of electrochemical biosensors employing DNA monolayers. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 413-421.	1.9	40
105	Enhanced performances of sensors based on screen printed electrodes modified with nanosized NiO particles. <i>Electrochimica Acta</i> , 2017, 246, 580-587.	2.6	40
106	Ammonia abatement in an enzymatic flow system for the determination of creatinine in blood sera and urine. <i>Analytica Chimica Acta</i> , 1985, 171, 175-184.	2.6	39
107	Screen-printed electrode modified with carbon black and chitosan: a novel platform for acetylcholinesterase biosensor development. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7299-7309.	1.9	38
108	Determination of creatinine in clinical samples with a creatininase reactor and an ammonia probe. <i>Analytica Chimica Acta</i> , 1982, 136, 69-76.	2.6	37

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109	Amperometric Nitric Oxide Sensors: a Comparative Study. <i>Electroanalysis</i> , 1998, 10, 1010-1016.	1.5	37
110	A disposable biosensor for the determination of alpha-amylase in human saliva. <i>Mikrochimica Acta</i> , 2010, 170, 243-249.	2.5	37
111	A new enzymatic spectrophotometric assay for the determination of lactulose in milk. <i>Analytica Chimica Acta</i> , 2000, 406, 217-224.	2.6	36
112	New bio-cleaning strategies on porous building materials affected by biodeterioration event. <i>Applied Surface Science</i> , 2010, 256, 6550-6563.	3.1	36
113	Towards an integrated biosensor array for simultaneous and rapid multi-analysis of endocrine disrupting chemicals. <i>Analytica Chimica Acta</i> , 2012, 751, 161-170.	2.6	36
114	Part two: Analytical optimisation of a procedure for lead detection in milk by means of bismuth-modified screen-printed electrodes. <i>Analytica Chimica Acta</i> , 2012, 736, 92-99.	2.6	36
115	GlucoMen Day Continuous Glucose Monitoring System: A Screening for Enzymatic and Electrochemical Interferents. <i>Journal of Diabetes Science and Technology</i> , 2012, 6, 1172-1181.	1.3	35
116	New cleaning strategies based on carbon nanomaterials applied to the deteriorated marble surfaces: A comparative study with enzyme based treatments. <i>Applied Surface Science</i> , 2012, 258, 5965-5980.	3.1	35
117	Bienzyme Amperometric Probes for Choline and Choline Esters Assembled with Nonconducting Electrosynthesized Polymers. <i>Electroanalysis</i> , 2001, 13, 236-242.	1.5	33
118	Determination of lactate in human saliva with an electrochemical enzyme probe. <i>Analytica Chimica Acta</i> , 1991, 245, 151-157.	2.6	32
119	Determination of mercury(II), methylmercury and ethylmercury in the ng/ml range with an electrochemical enzyme glucose probe. <i>Mikrochimica Acta</i> , 1995, 121, 183-190.	2.5	32
120	Prussian Blue Modified Carbon Nanotube Paste Electrodes: A Comparative Study and a Biochemical Application. <i>Analytical Letters</i> , 2003, 36, 1921-1938.	1.0	32
121	Quantitative, reagentless, single-step electrochemical detection of anti-DNA antibodies directly in blood serum. <i>Chemical Communications</i> , 2010, 46, 1742.	2.2	32
122	Analytical aspects of enzyme reversible inhibition. <i>Talanta</i> , 2014, 118, 368-374.	2.9	32
123	Porphyrim-based array of cross-selective electrodes for analysis of liquid samples. <i>Sensors and Actuators B: Chemical</i> , 2003, 95, 400-405.	4.0	31
124	Development of an Immunomagnetic Electrochemical Sensor for Detection of BTâ€CRY1AB/CRY1AC Proteins in Genetically Modified Corn Samples. <i>Analytical Letters</i> , 2006, 39, 1599-1609.	1.0	31
125	Antimicrobial and Biosensing Ultrasound-Responsive Lysozyme-Shelled Microbubbles. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 464-471.	4.0	31
126	A bienzyme electrochemical probe for flow injection analysis of okadaic acid based on protein phosphatase-2A inhibition: An optimization study. <i>Analytical Biochemistry</i> , 2009, 385, 50-56.	1.1	30

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127	Development and Application of an Electrochemical Plate Coupled with Immunomagnetic Beads (ELIME) Array for <i>Salmonella enterica</i> Detection in Meat Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 7200-7204.	2.4	30
128	Aflatoxin M1 determination and stability study in milk samples using a screen-printed 96-well electrochemical microplate. <i>International Dairy Journal</i> , 2009, 19, 753-758.	1.5	30
129	Carbon black nanoparticles to sense algae oxygen evolution for herbicides detection: Atrazine as a case study. <i>Biosensors and Bioelectronics</i> , 2020, 159, 112203.	5.3	30
130	AMPEROMETRIC DETECTION OF BIOGENIC AMINES IN CHEESE USING IMMOBILISED DIAMINE OXIDASE. <i>Analytical Letters</i> , 2001, 34, 841-854.	1.0	29
131	Nonconducting polymers on Prussian Blue modified electrodes: improvement of selectivity and stability of the advanced H/sub 2/O/sub 2/ transducer. <i>IEEE Sensors Journal</i> , 2003, 3, 326-332.	2.4	29
132	Functionalization and Dissolution of Single-Walled Carbon Nanotubes by Chemical-Physical and Electrochemical Treatments. <i>Mikrochimica Acta</i> , 2006, 152, 225-232.	2.5	29
133	Amperometric lysine bioprobes analysis in feeds. <i>Talanta</i> , 1993, 40, 1301-1306.	2.9	28
134	Detection of Biogenic Amines in Human Saliva Using a Screen-Printed Biosensor. <i>Analytical Letters</i> , 2010, 43, 1310-1316.	1.0	28
135	Re-modeling ELISA kits embedded in an automated system suitable for on-line detection of algal toxins in seawater. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 865-872.	4.0	28
136	In vivo continuous monitoring of L-lactate coupling subcutaneous microdialysis and an electrochemical biocell. <i>Sensors and Actuators B: Chemical</i> , 1995, 24, 138-141.	4.0	27
137	Synthesis and characterization of polymeric films and nanotubule nets used to assemble selective sensors for nitrite detection in drinking water. <i>Sensors and Actuators B: Chemical</i> , 2007, 122, 236-242.	4.0	27
138	Investigation of the Effect of Different Glassy Carbon Materials on the Performance of Prussian Blue Based Sensors for Hydrogen Peroxide. <i>Electroanalysis</i> , 2003, 15, 175-182.	1.5	26
139	Rapid and Selective Electrochemical Determination of Nitrite in Cured Meat in the Presence of Ascorbic Acid. <i>Mikrochimica Acta</i> , 2004, 147, 51.	2.5	26
140	Rapid and label-free detection of ochratoxin A and aflatoxin B1 using an optical portable instrument. <i>Talanta</i> , 2016, 150, 440-448.	2.9	26
141	Development of SYBRâ€Green Realâ€Time PCR and a Multichannel Electrochemical Immunosensor for Specific Detection of <i>Salmonella enterica</i> . <i>Analytical Letters</i> , 2006, 39, 1611-1625.	1.0	25
142	Rapid Screening Electrochemical Methods for Aflatoxin B1 and Typeâ€A Trichothecenes: A Preliminary Study. <i>Analytical Letters</i> , 2007, 40, 1333-1346.	1.0	25
143	Characterization of Graphene Nanoribbons from the Unzipping of MWCNTs. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010, 18, 261-272.	1.0	25
144	Development of a competitive immunoassay for the determination of cortisol in human saliva. <i>Analytical Biochemistry</i> , 2013, 434, 308-314.	1.1	25

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145	Automatable Flow System for Paraoxon Detection with an Embedded Screen-Printed Electrode Tailored with Butyrylcholinesterase and Prussian Blue Nanoparticles. <i>Chemosensors</i> , 2015, 3, 129-145.	1.8	25
146	Characterisation of archaeological wood: A case study on the deterioration of a coffin. <i>Microchemical Journal</i> , 2009, 92, 150-154.	2.3	24
147	Determination of l-amino acids and alcohols with oxidase enzymes and a tubular iodide-selective electrode. <i>Analytica Chimica Acta</i> , 1978, 100, 215-221.	2.6	23
148	Amperometric alcohol electrode with extended linearity and reduced interferences. <i>Analytical Biochemistry</i> , 1991, 198, 97-103.	1.1	23
149	Towards a Portable Prototype Based on Electrochemical Cholinesterase Biosensor to be Assembled to Soldier Overall for Nerve Agent Detection. <i>Electroanalysis</i> , 2012, 24, 581-590.	1.5	23
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