

# Giuseppe Palleschi

## List of Publications by Year in descending order

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198  
papers

12,105  
citations

18482

62  
h-index

32842

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.	10.1	528
2	Carbon Nanotube Purification: Preparation and Characterization of Carbon Nanotube Paste Electrodes. <i>Analytical Chemistry</i> , 2003, 75, 5413-5421.	6.5	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.	10.1	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.	11.4	303
5	A review on novel developments and applications of immunosensors in food analysis. <i>Analytica Chimica Acta</i> , 2007, 605, 111-129.	5.4	299
6	A review of experimental aspects of electrochemical immunosensors. <i>Electrochimica Acta</i> , 2012, 84, 74-83.	5.2	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.	6.5	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.	5.4	226
9	Low Doses of Pristine and Oxidized Single-Wall Carbon Nanotubes Affect Mammalian Embryonic Development. <i>ACS Nano</i> , 2011, 5, 4624-4633.	14.6	201
10	Recent advances in biosensors based on enzyme inhibition. <i>Biosensors and Bioelectronics</i> , 2016, 76, 180-194.	10.1	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.	10.1	170
12	Novel reagentless paper-based screen-printed electrochemical sensor to detect phosphate. <i>Analytica Chimica Acta</i> , 2016, 919, 78-84.	5.4	156
13	An electrochemical immunosensor for aflatoxin M1 determination in milk using screen-printed electrodes. <i>Biosensors and Bioelectronics</i> , 2005, 21, 588-596.	10.1	150
14	Bismuth-modified electrodes for lead detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1295-1304.	11.4	141
15	Biosensors based on cholinesterase inhibition for insecticides, nerve agents and aflatoxin B1 detection (review). <i>Mikrochimica Acta</i> , 2010, 170, 193-214.	5.0	140
16	New electrochemical sensors for detection of nitrites and nitrates. <i>Journal of Electroanalytical Chemistry</i> , 2001, 509, 66-72.	3.8	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.	5.4	133
18	Fully integrated ready-to-use paper-based electrochemical biosensor to detect nerve agents. <i>Biosensors and Bioelectronics</i> , 2017, 93, 46-51.	10.1	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.	5.4	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.	5.4	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.	7.8	119
22	Graphene nanoribbons produced by the oxidative unzipping of single-wall carbon nanotubes. <i>Carbon</i> , 2010, 48, 2596-2602.	10.3	119
23	Nanostructured (Bio)sensors for smart agriculture. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 98, 95-103.	11.4	115
24	Acetylcholinesterase sensor based on screen-printed carbon electrode modified with prussian blue. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 597-604.	3.7	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.	2.9	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.	4.7	111
27	Carbon Black-Modified Screen-Printed Electrodes as Electroanalytical Tools. <i>Electroanalysis</i> , 2012, 24, 743-751.	2.9	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.	7.8	110
29	Monoclonal antibody based electrochemical immunosensor for the determination of ochratoxin A in wheat. <i>Talanta</i> , 2006, 69, 1031-1037.	5.5	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.	2.9	105
31	Characterisation of Prussian blue modified screen-printed electrodes for thiol detection. <i>Journal of Electroanalytical Chemistry</i> , 2004, 563, 229-237.	3.8	102
32	Acetylcholinesterase biosensor based on single-walled carbon nanotubes-Co phthalocyanine for organophosphorus pesticides detection. <i>Talanta</i> , 2011, 85, 216-221.	5.5	97
33	Carbon black as successful screen-printed electrode modifier for phenolic compound detection. <i>Electrochemistry Communications</i> , 2015, 60, 78-82.	4.7	95
34	Hg <sup>2+</sup> 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.	5.2	93
35	Phosphate Detection through a Cost-Effective Carbon Black Nanoparticle-Modified Screen-Printed Electrode Embedded in a Continuous Flow System. <i>Environmental Science &amp; Technology</i> , 2015, 49, 7934-7939.	10.0	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.	7.8	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.	2.4	90
38	Development of a bio-electrochemical assay for AFB1 detection in olive oil. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1962-1968.	10.1	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.	5.0	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.	5.4	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.	3.7	87
42	Using Triplex-Forming Oligonucleotide Probes for the Reagentless, Electrochemical Detection of Double-Stranded DNA. <i>Analytical Chemistry</i> , 2010, 82, 9109-9115.	6.5	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.	5.5	87
44	Surface chemistry effects on the performance of an electrochemical DNA sensor. <i>Bioelectrochemistry</i> , 2009, 76, 208-213.	4.6	86
45	Investigation of amperometric detection of phosphate. <i>Talanta</i> , 2004, 63, 567-574.	5.5	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.	7.8	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.	5.5	83
48	Electrochemical immunosensor for determination of aflatoxin B1 in barley. <i>Analytica Chimica Acta</i> , 2004, 520, 159-164.	5.4	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.	7.8	81
50	Enzymatic Spectrophotometric Method for Aflatoxin B Detection Based on Acetylcholinesterase Inhibition. <i>Analytical Chemistry</i> , 2007, 79, 3409-3415.	6.5	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.	3.8	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.	8.2	77
53	Determinants of the Detection Limit and Specificity of Surface-Based Biosensors. <i>Analytical Chemistry</i> , 2013, 85, 6593-6597.	6.5	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.	2.9	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.	5.4	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.	10.1	70
57	Phosphate, Nitrate, and Sulfate Biosensors. <i>Analytical Letters</i> , 2004, 37, 1-19.	1.8	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.	3.1	68
59	Disposable immunosensor for the determination of domoic acid in shellfish. <i>Biosensors and Bioelectronics</i> , 2004, 20, 190-196.	10.1	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.	7.8	67
61	Novel planar glucose biosensors for continuous monitoring use. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1993-2000.	10.1	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.	3.7	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.	1.8	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.	5.0	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.	5.2	62
66	Electrochemical Biosensors for Rapid Detection of Foodborne Salmonella: A Critical Overview. <i>Sensors</i> , 2017, 17, 1910.	3.8	62
67	Electroanalytical Study of Prussian Blue Modified Glassy Carbon Paste Electrodes. <i>Electroanalysis</i> , 2003, 15, 1204-1211.	2.9	61
68	A probe for NADH and H <sub>2</sub> O <sub>2</sub> amperometric detection at low applied potential for oxidase and dehydrogenase based biosensor applications. <i>Biosensors and Bioelectronics</i> , 2007, 22, 854-862.	10.1	61
69	Electrocatalytic oxidation of thiocholine at chemically modified cobalt hexacyanoferrate screen-printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2009, 626, 66-74.	3.8	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.	5.2	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.	5.2	56
72	Disposable electrochemical immunosensor for cortisol determination in human saliva. <i>Talanta</i> , 2018, 188, 50-57.	5.5	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.	1.8	55
74	Cardiac autonomic regulation after lung exposure to carbon nanotubes. <i>Human and Experimental Toxicology</i> , 2009, 28, 369-375.	2.2	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.	7.8	55
76	Development of a disposable biosensor for lactate monitoring in saliva. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 8-15.	7.8	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.	10.1	55
78	The NADH Electrochemical Detection Performed at Carbon Nanofibers Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2007, 19, 1455-1459.	2.9	53
79	Microengine-assisted electrochemical measurements at printable sensor strips. <i>Chemical Communications</i> , 2015, 51, 8668-8671.	4.1	52
80	Heat-treated milk differentiation by a sensitive lactulose assay. <i>Food Chemistry</i> , 2004, 84, 447-450.	8.2	51
81	Rapid determination of lactulose in milk by microdialysis and biosensors. <i>Analyst, The</i> , 1999, 124, 325-329.	3.5	49
82	An ELIME-array for detection of aflatoxin B1 in corn samples. <i>Food Control</i> , 2009, 20, 371-375.	5.5	48
83	Development of an Electrochemical Immunosensor for Ochratoxin A. <i>Analytical Letters</i> , 2004, 37, 1545-1558.	1.8	47
84	Lead Determination by Anodic Stripping Voltammetry Using ap-Phenylenediamine Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2005, 17, 685-693.	2.9	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.	5.4	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.	5.4	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.	3.7	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.	5.4	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.	1.1	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.	10.1	44

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91	Chemical compounds and sensory assessment of kiwifruit ( <i>Actinidia chinensis</i> (Planch.) var.) Tj ETQq1 1 0.784314 ggBT /Overlock 10	8.2	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.	4.6	43
93	Glutathione amperometric detection based on a thiolâ€“disulfide exchange reaction. <i>Analytica Chimica Acta</i> , 2006, 558, 164-170.	5.4	43
94	A disposable immunosensor for detection of 17Î²-estradiol in non-extracted bovine serum. <i>Analytica Chimica Acta</i> , 2006, 572, 11-16.	5.4	42
95	Amperometric biosensor for determination of lactate in sweat. <i>Analytica Chimica Acta</i> , 1993, 278, 35-40.	5.4	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.	1.8	41
97	Toward continuous glucose monitoring with planar modified biosensors and microdialysis. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2032-2039.	10.1	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.	6.5	41
99	A liver tissue-based electrochemical sensor for hydrogen peroxide. <i>Analytica Chimica Acta</i> , 1982, 138, 65-69.	5.4	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.	5.4	40
101	Reversible Enzyme Inhibitionâ€“Based Biosensors: Applications and Analytical Improvement Through Diagnostic Inhibition. <i>Analytical Letters</i> , 2009, 42, 1258-1293.	1.8	40
102	Direct Electrochemistry of Heme Proteins on Electrodes Modified with Didodecyldimethyl Ammonium Bromide and Carbon Black. <i>Electroanalysis</i> , 2012, 24, 1923-1931.	2.9	40
103	Glassy carbon electrodes modified with hemin-carbon nanomaterial films for amperometric H <sub>2</sub> O <sub>2</sub> and NO <sub>2</sub> <sup>-</sup> detection. <i>Electrochimica Acta</i> , 2012, 63, 37-46.	5.2	40
104	Probe accessibility effects on the performance of electrochemical biosensors employing DNA monolayers. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 413-421.	3.7	40
105	Enhanced performances of sensors based on screen printed electrodes modified with nanosized NiO particles. <i>Electrochimica Acta</i> , 2017, 246, 580-587.	5.2	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.	5.4	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.	3.7	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.	5.4	37

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109	Amperometric Nitric Oxide Sensors: a Comparative Study. <i>Electroanalysis</i> , 1998, 10, 1010-1016.	2.9	37
110	A disposable biosensor for the determination of alpha-amylase in human saliva. <i>Mikrochimica Acta</i> , 2010, 170, 243-249.	5.0	37
111	A new enzymatic spectrophotometric assay for the determination of lactulose in milk. <i>Analytica Chimica Acta</i> , 2000, 406, 217-224.	5.4	36
112	New bio-cleaning strategies on porous building materials affected by biodeterioration event. <i>Applied Surface Science</i> , 2010, 256, 6550-6563.	6.1	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.	5.4	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.	5.4	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.	2.2	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.	6.1	35
117	Bienzyme Amperometric Probes for Choline and Choline Esters Assembled with Nonconducting Electrosynthesized Polymers. <i>Electroanalysis</i> , 2001, 13, 236-242.	2.9	33
118	Determination of lactate in human saliva with an electrochemical enzyme probe. <i>Analytica Chimica Acta</i> , 1991, 245, 151-157.	5.4	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.	5.0	32
120	Prussian Blue Modified Carbon Nanotube Paste Electrodes: A Comparative Study and a Biochemical Application. <i>Analytical Letters</i> , 2003, 36, 1921-1938.	1.8	32
121	Quantitative, reagentless, single-step electrochemical detection of anti-DNA antibodies directly in blood serum. <i>Chemical Communications</i> , 2010, 46, 1742.	4.1	32
122	Analytical aspects of enzyme reversible inhibition. <i>Talanta</i> , 2014, 118, 368-374.	5.5	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.	7.8	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.	1.8	31
125	Antimicrobial and Biosensing Ultrasound-Responsive Lysozyme-Shelled Microbubbles. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 464-471.	8.0	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.	2.4	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.	5.2	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.	3.0	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.	10.1	30
130	AMPEROMETRIC DETECTION OF BIOGENIC AMINES IN CHEESE USING IMMOBILISED DIAMINE OXIDASE. <i>Analytical Letters</i> , 2001, 34, 841-854.	1.8	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.	4.7	29
132	Functionalization and Dissolution of Single-Walled Carbon Nanotubes by Chemical-Physical and Electrochemical Treatments. <i>Mikrochimica Acta</i> , 2006, 152, 225-232.	5.0	29
133	Amperometric lysine bioprobes analysis in feeds. <i>Talanta</i> , 1993, 40, 1301-1306.	5.5	28
134	Detection of Biogenic Amines in Human Saliva Using a Screen-Printed Biosensor. <i>Analytical Letters</i> , 2010, 43, 1310-1316.	1.8	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.	7.8	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.	7.8	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.	7.8	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.	2.9	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.	5.0	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.	5.5	26
141	Development of SYBRâ€œGreen Realâ€œTime PCR and a Multichannel Electrochemical Immunosensor for Specific Detection of <i>Salmonella enterica</i> . <i>Analytical Letters</i> , 2006, 39, 1611-1625.	1.8	25
142	Rapid Screening Electrochemical Methods for Aflatoxin B1 and Typeâ€œA Trichothecenes: A Preliminary Study. <i>Analytical Letters</i> , 2007, 40, 1333-1346.	1.8	25
143	Characterization of Graphene Nanoribbons from the Unzipping of MWCNTs. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010, 18, 261-272.	2.1	25
144	Development of a competitive immunoassay for the determination of cortisol in human saliva. <i>Analytical Biochemistry</i> , 2013, 434, 308-314.	2.4	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.	3.6	25
146	Characterisation of archaeological wood: A case study on the deterioration of a coffin. <i>Microchemical Journal</i> , 2009, 92, 150-154.	4.5	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.	5.4	23
148	Amperometric alcohol electrode with extended linearity and reduced interferences. <i>Analytical Biochemistry</i> , 1991, 198, 97-103.	2.4	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.	2.9	23
150	Allosteric DNA nanoswitches for controlled release of a molecular cargo triggered by biological inputs. <i>Chemical Science</i> , 2017, 8, 914-920.	7.4	23
151	Combining a hydrogel and an electrochemical biosensor to determine the extent of degradation of paper artworks. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1485-1489.	3.7	20
152	Development and Comparative Evaluation of Different Screening Methods for Detection of <i>Staphylococcus aureus</i> . <i>Analytical Letters</i> , 2005, 38, 1569-1586.	1.8	19
153	Ex Vivo Continuous Glucose Monitoring With Microdialysis Technique: The Example of GlucoDay. <i>IEEE Sensors Journal</i> , 2008, 8, 63-70.	4.7	19
154	In-line determination of metabolites and milk components with electrochemical biosensors. <i>Analytica Chimica Acta</i> , 1988, 213, 101-111.	5.4	18
155	Development of a diagnostic and cleaning tool for paper artworks: a case of study. <i>Microchemical Journal</i> , 2016, 126, 32-41.	4.5	18
156	Ideal hydrogen peroxide-based glucose sensor. <i>Applied Biochemistry and Biotechnology</i> , 1991, 31, 21-35.	2.9	17
157	Electropolymerized Architecture Entrapping a Trilacunary Keggin-Type Polyoxometalate for Assembling a Glucose Biosensor. <i>Electroanalysis</i> , 2002, 14, 1550-1556.	2.9	17
158	Methodological strategies to assess the degree of bone preservation for ancient DNA studies. <i>Annals of Human Biology</i> , 2015, 42, 10-19.	1.0	17
159	Direct electrochemical detection of trichothecenes in wheat samples using a 96-well electrochemical plate coupled with microwave hydrolysis. <i>World Mycotoxin Journal</i> , 2009, 2, 239-245.	1.4	16
160	pH Electrode -Based Enzyme Immunoassay for the Determination of Human Chorionic Gonadotropin. <i>Analytical Letters</i> , 1982, 15, 101-113.	1.8	15
161	Thermal Properties, Raman Spectroscopy and Tem Images of Neutron-Bombarded Graphite. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013, 21, 634-643.	2.1	15
162	Limitations in the Analytical Use of Invertase Inhibition for the Screening of Trace Mercury Content in Environmental Samples. <i>Analytical Sciences</i> , 2004, 20, 899-904.	1.6	14

#	ARTICLE	IF	CITATIONS
163	A whole cell optical bioassay for the detection of chemical warfare mustard agent simulants. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 658-665.	7.8	14
164	Versatile hydrogels: an efficient way to clean paper artworks. <i>RSC Advances</i> , 2013, 3, 22896.	3.6	13
165	Rheoreversible hydrogels in paper restoration processes: a versatile tool. <i>Chemistry Central Journal</i> , 2014, 8, 10.	2.6	13
166	A Choline Oxidase Amperometric Bioassay for the Detection of Mustard Agents Based on Screen-Printed Electrodes Modified with Prussian Blue Nanoparticles. <i>Sensors</i> , 2015, 15, 4353-4367.	3.8	13
167	Iridium oxide (IV) nanoparticle-based electrocatalytic detection of PBDE. <i>Biosensors and Bioelectronics</i> , 2019, 127, 150-154.	10.1	13
168	Receptors for organochlorine pesticides based on calixarenes. <i>Mikrochimica Acta</i> , 2008, 163, 195-202.	5.0	12
169	Sensing the Lactic Acid in Probiotic Yogurts Using an L-Lactate Biosensor Coupled with a Microdialysis Fiber Inserted in a Flow Analysis System. <i>Analytical Letters</i> , 2010, 43, 1301-1309.	1.8	12
170	Towards the development of a single-step immunosensor based on an electrochemical screen-printed electrode strip coupled with immunomagnetic beads. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 655-663.	3.7	12
171	Determination of serum cholinesterase activity and dibucaine numbers by an amperometric choline sensor. <i>Biosensors and Bioelectronics</i> , 1990, 5, 27-35.	10.1	11
172	Immunodetection of lactosylated proteins as a useful tool to determine heat treatment in milk samples. <i>Analyst</i> , The, 2001, 126, 66-70.	3.5	10
173	Development and Application of a Two-Phase Clean-Up System in Food Samples Prior to Fluorescence Analysis of Aflatoxins. <i>Mikrochimica Acta</i> , 2006, 153, 101-108.	5.0	9
174	AFB1-AP Conjugate for Enzyme Immunoassay of Aflatoxin B1 in Corn Samples. <i>Analytical Letters</i> , 2009, 42, 1170-1186.	1.8	9
175	Titanium Carbide Thin-Film Electrodes: Characterization and Evaluation as Working Electrodes. <i>Electroanalysis</i> , 2004, 16, 1704-1710.	2.9	8
176	Changes in Cardiac Autonomic Regulation after Acute Lung Exposure to Carbon Nanotubes: Implications for Occupational Exposure. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-9.	2.7	7
177	Electrochemical investigation of the interaction between lysozyme-shelled microbubbles and vitamin C. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5531-5538.	3.7	7
178	Validation of a 1-Day Analytical Diagnostic Real-Time PCR for the Detection of Salmonella in Different Food Meat Categories. <i>Food Analytical Methods</i> , 2013, 6, 996-1003.	2.6	7
179	Investigation of glycated protein assay for assessing heat treatment effect in food samples and protein-sugar models. <i>Food Chemistry</i> , 2006, 96, 485-490.	8.2	6
180	Electrochemical Biosensors for Chemical Warfare Agents. <i>Advanced Sciences and Technologies for Security Applications</i> , 2016, , 115-139.	0.5	6

#	ARTICLE	IF	CITATIONS
181	Extracorporeal determination of glucose, lactate and potassium with electrochemical biosensors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1989, 7, 1377-1383.	2.8	5
182	Interaction between single wall carbon nanotubes and a human enteric virus. <i>Journal of Virological Methods</i> , 2010, 168, 1-5.	2.1	5
183	Nanomaterials applied in medicine, cultural heritage and chemical sensor technology. <i>International Journal of Nanotechnology</i> , 2013, 10, 508.	0.2	5
184	Real-time Monitoring of Hydrogen Peroxide Consumption in an Oxidation Reaction in Molecular Solvent and Ionic Liquids by a Hydrogen Peroxide Electrochemical Sensor. <i>ChemSusChem</i> , 2011, 4, 792-796.	6.8	4
185	Fabrication Routes of Microsized Electrochemical Biosensors Based on Single-Walled Carbon Nanotubes. <i>Materials Science Forum</i> , 2007, 539-543, 1098-1103.	0.3	3
186	Chapter 24 Mediated enzyme screen-printed electrode probes for clinical, environmental and food analysis. <i>Comprehensive Analytical Chemistry</i> , 2007, 49, 559-584.	1.3	3
187	Stable dispersions of single-walled carbon nanotubes. <i>International Journal of Environment and Health</i> , 2009, 3, 285.	0.3	3
188	ELIME (Enzyme Linked Immuno Magnetic Electrochemical) Method for Mycotoxin Detection. <i>Journal of Visualized Experiments</i> , 2009, , .	0.3	3
189	How to extend range linearity in enzyme inhibition-based biosensing assays. <i>Talanta</i> , 2018, 189, 365-369.	5.5	3
190	Carbon Black/Gold Nanoparticles Composite for Efficient Amperometric Sensors. <i>Lecture Notes in Electrical Engineering</i> , 2015, , 159-163.	0.4	2
191	Development of Sensors to Trace Toxins from Dinoflagellates and Other Algae to Seafood. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2008, , 301-310.	0.5	1
192	Report on the 3rd Workshop of the European Union Concerted Action "Evaluation/Validation of Novel Biosensors in Real Environmental and Food Samples, Mallorca, Menorca (Balearic Island), Spain, November 2-4, 2003. <i>Analytical Letters</i> , 2004, 37, 1259-1267.	1.8	0
193	Kinetics in analytical chemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 1321-1322.	3.7	0
194	Report on the 8th International Symposium on Kinetics in Analytical Chemistry Rome, Italy, July 8-10, 2004. <i>Analytical Letters</i> , 2005, 38, 195-201.	1.8	0
195	Procedure 17 Preparation of Prussian blue-modified screen-printed electrodes via a chemical deposition for mass production of stable hydrogen peroxide sensors. <i>Comprehensive Analytical Chemistry</i> , 2007, , e119-e124.	1.3	0
196	The Fourth International Workshop on Biosensors for Food Safety and Environmental Monitoring. <i>Mikrochimica Acta</i> , 2010, 170, 191-192.	5.0	0
197	NANOSTRUCTURED-BASED SENSORS FOR ANALYTICAL APPLICATIONS. , 2008, , .		0
198	NEW STRATEGIES TO ASSEMBLE SELECTIVE AND SENSITIVE SENSORS FOR DETECTION OF NITRITES. , 2008, , .		0