

Danila Moscone

List of Publications by Year in descending order

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213
papers

11,521
citations

17405

63
h-index

38300

95
g-index

215
all docs

215
docs citations

215
times ranked

9562
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic beads combined with carbon black-based screen-printed electrodes for COVID-19: A reliable and miniaturized electrochemical immunosensor for SARS-CoV-2 detection in saliva. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112686.	5.3	331
2	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
3	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
4	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
5	Origami multiple paper-based electrochemical biosensors for pesticide detection. <i>Biosensors and Bioelectronics</i> , 2019, 126, 346-354.	5.3	227
6	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
7	Recent advances in biosensors based on enzyme inhibition. <i>Biosensors and Bioelectronics</i> , 2016, 76, 180-194.	5.3	180
8	Carbon black as an outstanding and affordable nanomaterial for electrochemical (bio)sensor design. <i>Biosensors and Bioelectronics</i> , 2020, 156, 112033.	5.3	177
9	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
10	Novel reagentless paper-based screen-printed electrochemical sensor to detect phosphate. <i>Analytica Chimica Acta</i> , 2016, 919, 78-84.	2.6	156
11	Nanomaterials in electrochemical biosensors for pesticide detection: advances and challenges in food analysis. <i>Mikrochimica Acta</i> , 2016, 183, 2063-2083.	2.5	155
12	A paper-based nanomodified electrochemical biosensor for ethanol detection in beers. <i>Analytica Chimica Acta</i> , 2017, 960, 123-130.	2.6	151
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	Laccase biosensor based on screen-printed electrode modified with thionineâ€“carbon black nanocomposite, for Bisphenol A detection. <i>Electrochimica Acta</i> , 2013, 109, 340-347.	2.6	137
18	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

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19	Enzymatic determination of BPA by means of tyrosinase immobilized on different carbon carriers. <i>Biosensors and Bioelectronics</i> , 2007, 23, 60-65.	5.3	131
20	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
21	A thionine-modified carbon paste amperometric biosensor for catechol and bisphenol A determination. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2003-2008.	5.3	127
22	A three-dimensional carbon nanotube network for water treatment. <i>Nanotechnology</i> , 2014, 25, 065701.	1.3	125
23	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
24	Nanostructured (Bio)sensors for smart agriculture. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 98, 95-103.	5.8	115
25	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
26	Preparation of paper-based devices for reagentless electrochemical (bio)sensor strips. <i>Nature Protocols</i> , 2019, 14, 2437-2451.	5.5	114
27	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
28	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
29	Carbon Black-Modified Screen-Printed Electrodes as Electroanalytical Tools. <i>Electroanalysis</i> , 2012, 24, 743-751.	1.5	111
30	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
31	A wearable origami-like paper-based electrochemical biosensor for sulfur mustard detection. <i>Biosensors and Bioelectronics</i> , 2019, 129, 15-23.	5.3	103
32	Characterisation of Prussian blue modified screen-printed electrodes for thiol detection. <i>Journal of Electroanalytical Chemistry</i> , 2004, 563, 229-237.	1.9	102
33	Acetylcholinesterase biosensor based on single-walled carbon nanotubes-Co phthalocyanine for organophosphorus pesticides detection. <i>Talanta</i> , 2011, 85, 216-221.	2.9	97
34	Carbon black as successful screen-printed electrode modifier for phenolic compound detection. <i>Electrochemistry Communications</i> , 2015, 60, 78-82.	2.3	95
35	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
36	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

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37	A microdialysis technique for continuous subcutaneous glucose monitoring in diabetic patients (part) Tj ETQq1 1 0,784314 rgBT /Overd	5.3	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	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
47	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
48	Enzymatic Spectrophotometric Method for Aflatoxin B Detection Based on Acetylcholinesterase Inhibition. <i>Analytical Chemistry</i> , 2007, 79, 3409-3415.	3.2	80
49	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
50	Paper-based synthesis of Prussian Blue Nanoparticles for the development of whole blood glucose electrochemical biosensor. <i>Talanta</i> , 2018, 187, 59-64.	2.9	79
51	Highly sensitive paper-based electrochemical sensor for reagent free detection of bisphenol A. <i>Talanta</i> , 2020, 216, 120924.	2.9	79
52	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
53	Paper-based electrochemical peptide nucleic acid (PNA) biosensor for detection of miRNA-492: a pancreatic ductal adenocarcinoma biomarker. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112371.	5.3	75
54	Amperometric acetylcholine and choline sensors with immobilized enzymes. <i>Analytica Chimica Acta</i> , 1986, 179, 439-444.	2.6	74

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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	Inside the different types of carbon black as nanomodifiers for screen-printed electrodes. <i>Electrochimica Acta</i> , 2019, 317, 673-683.	2.6	70
58	Subcutaneous microdialysis probe coupled with glucose biosensor for in vivo continuous monitoring. <i>Talanta</i> , 1992, 39, 1039-1044.	2.9	67
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	Electroanalysis moves towards paper-based printed electronics: carbon black nanomodified inkjet-printed sensor for ascorbic acid detection as a case study. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 155-160.	4.0	66
63	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
64	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
65	Novel carbon black-cobalt phthalocyanine nanocomposite as sensing platform to detect organophosphorus pollutants at screen-printed electrode. <i>Electrochimica Acta</i> , 2016, 188, 574-581.	2.6	64
66	Paper-Based Strips for the Electrochemical Detection of Single and Double Stranded DNA. <i>Analytical Chemistry</i> , 2018, 90, 13680-13686.	3.2	64
67	Green nanomaterials fostering agrifood sustainability. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 125, 115840.	5.8	62
68	Electroanalytical Sensor Based on Gold-Nanoparticle-Decorated Paper for Sensitive Detection of Copper Ions in Sweat and Serum. <i>Analytical Chemistry</i> , 2021, 93, 5225-5233.	3.2	62
69	Electroanalytical Study of Prussian Blue Modified Glassy Carbon Paste Electrodes. <i>Electroanalysis</i> , 2003, 15, 1204-1211.	1.5	61
70	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
71	Hg ²⁺ detection using a disposable and miniaturized screen-printed electrode modified with nanocomposite carbon black and gold nanoparticles. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8192-8199.	2.7	60
72	Precision medicine in Alzheimer's disease: An origami paper-based electrochemical device for cholinesterase inhibitors. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112411.	5.3	60

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73	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
74	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
75	Detection of Aflatoxin B1 in Barley: Comparative Study of Immunosensor and HPLC. <i>Analytical Letters</i> , 2006, 39, 1559-1572.	1.0	55
76	Cardiac autonomic regulation after lung exposure to carbon nanotubes. <i>Human and Experimental Toxicology</i> , 2009, 28, 369-375.	1.1	55
77	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
78	Development of a disposable biosensor for lactate monitoring in saliva. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 8-15.	4.0	55
79	A label-free impedimetric aptasensor for the detection of Bacillus anthracis spore simulant. <i>Biosensors and Bioelectronics</i> , 2019, 126, 640-646.	5.3	55
80	Carbon black assisted tailoring of Prussian Blue nanoparticles to tune sensitivity and detection limit towards H ₂ O ₂ by using screen-printed electrode. <i>Electrochemistry Communications</i> , 2014, 47, 63-66.	2.3	53
81	An acetylcholinesterase biosensor for determination of low concentrations of Paraoxon and Dichlorvos. <i>New Biotechnology</i> , 2011, 29, 132-138.	2.4	52
82	Carbon Black-Modified Electrodes Screen-Printed onto Paper Towel, Waxed Paper and Parafilm MÂ®. <i>Sensors</i> , 2017, 17, 2267.	2.1	52
83	Heat-treated milk differentiation by a sensitive lactulose assay. <i>Food Chemistry</i> , 2004, 84, 447-450.	4.2	51
84	Rapid determination of lactulose in milk by microdialysis and biosensors. <i>Analyst, The</i> , 1999, 124, 325-329.	1.7	49
85	An ELIME-array for detection of aflatoxin B1 in corn samples. <i>Food Control</i> , 2009, 20, 371-375.	2.8	48
86	Amperometric separation-free immunosensor for real-time environmental monitoring. <i>Analytica Chimica Acta</i> , 2001, 427, 173-180.	2.6	47
87	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
88	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
89	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
90	An eco-designed paper-based algal biosensor for nanoformulated herbicide optical detection. <i>Journal of Hazardous Materials</i> , 2019, 373, 483-492.	6.5	45

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91	A novel continuous subcutaneous lactate monitoring system. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2244-2250.	5.3	44
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 thiol-disulfide exchange reaction. <i>Analytica Chimica Acta</i> , 2006, 558, 164-170.	2.6	43
94	Experimental Comparison in Sensing Breast Cancer Mutations by Signal ON and Signal OFF Paper-Based Electroanalytical Strips. <i>Analytical Chemistry</i> , 2020, 92, 1674-1679.	3.2	43
95	A disposable immunosensor for detection of 17 β -estradiol in non-extracted bovine serum. <i>Analytica Chimica Acta</i> , 2006, 572, 11-16.	2.6	42
96	Extraction and Detection of Pesticides by Cholinesterase Inhibition in a Two-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	Bi-enzyme reactor for electrochemical detection of low concentrations of uric acid and glucose. <i>Clinica Chimica Acta</i> , 1995, 239, 153-165.	0.5	40
99	Reversible Enzyme Inhibition-Based Biosensors: Applications and Analytical Improvement Through Diagnostic Inhibition. <i>Analytical Letters</i> , 2009, 42, 1258-1293.	1.0	40
100	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
101	A modular electrochemical peptide-based sensor for antibody detection. <i>Chemical Communications</i> , 2014, 50, 8962.	2.2	40
102	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
103	Paper-based electroanalytical strip for user-friendly blood glutathione detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 291-297.	4.0	39
104	Paper-based electrochemical peptide sensor for on-site detection of botulinum neurotoxin serotype A and C. <i>Biosensors and Bioelectronics</i> , 2021, 183, 113210.	5.3	39
105	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
106	Sustainable monitoring of Zn(II) in biological fluids using office paper. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 1199-1206.	4.0	37
107	A new enzymatic spectrophotometric assay for the determination of lactulose in milk. <i>Analytica Chimica Acta</i> , 2000, 406, 217-224.	2.6	36
108	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

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109	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
110	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
111	Effect of photosynthesis on pH variation in cyanobacterial biofilms from Roman catacombs. <i>Journal of Applied Phycology</i> , 2000, 12, 379-384.	1.5	33
112	A challenge in biosensors: Is it better to measure a photon or an electron for ultrasensitive detection?. <i>Biosensors and Bioelectronics</i> , 2020, 155, 112093.	5.3	33
113	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
114	Quantitative, reagentless, single-step electrochemical detection of anti-DNA antibodies directly in blood serum. <i>Chemical Communications</i> , 2010, 46, 1742.	2.2	32
115	Analytical aspects of enzyme reversible inhibition. <i>Talanta</i> , 2014, 118, 368-374.	2.9	32
116	Origami Paper-Based Electrochemical (Bio)Sensors: State of the Art and Perspective. <i>Biosensors</i> , 2021, 11, 328.	2.3	32
117	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
118	Disposable Electrochemical Sensor to Evaluate the Phytoremediation of the Aquatic Plant <i>Lemna minor</i> toward Pb ²⁺ and/or Cd ²⁺ . <i>Environmental Science & Technology</i> , 2014, 48, 7477-7485.	4.6	31
119	Paper-based immunoassay based on 96-well wax-printed paper plate combined with magnetic beads and colorimetric smartphone-assisted measure for reliable detection of SARS-CoV-2 in saliva. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113909.	5.3	31
120	Ultrafiltrate sampling device for continuous monitoring. <i>Medical and Biological Engineering and Computing</i> , 1996, 34, 290-294.	1.6	30
121	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
122	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
123	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
124	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
125	AMPEROMETRIC DETECTION OF BIOGENIC AMINES IN CHEESE USING IMMOBILISED DIAMINE OXIDASE. <i>Analytical Letters</i> , 2001, 34, 841-854.	1.0	29
126	Nonconducting polymers on Prussian Blue modified electrodes: improvement of selectivity and stability of the advanced H ₂ O ₂ transducer. <i>IEEE Sensors Journal</i> , 2003, 3, 326-332.	2.4	29

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127	Carbon black-based disposable sensor for an on-site detection of free chlorine in swimming pool water. <i>Talanta</i> , 2018, 189, 262-267.	2.9	29
128	Electrochemical determination of capsaicin in pepper samples using sustainable paper-based screen-printed bulk modified with carbon black. <i>Electrochimica Acta</i> , 2020, 354, 136628.	2.6	29
129	All-solid state ion-selective carbon black-modified printed electrode for sodium detection in sweat. <i>Electrochimica Acta</i> , 2021, 394, 139050.	2.6	29
130	A paper-based electrochemical device for the detection of pesticides in aerosol phase inspired by nature: A flower-like origami biosensor for precision agriculture. <i>Biosensors and Bioelectronics</i> , 2022, 205, 114119.	5.3	29
131	Amperometric lysine bioprobes analysis in feeds. <i>Talanta</i> , 1993, 40, 1301-1306.	2.9	28
132	Detection of Biogenic Amines in Human Saliva Using a Screen-Printed Biosensor. <i>Analytical Letters</i> , 2010, 43, 1310-1316.	1.0	28
133	A lab-on-a-tip approach to make electroanalysis user-friendly and de-centralized: Detection of copper ions in river water. <i>Analytica Chimica Acta</i> , 2018, 1029, 1-7.	2.6	28
134	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
135	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
136	Effect of Different Carbon Blacks on the Simultaneous Electroanalysis of Drugs as Water Contaminants Based on Screen-Printed Sensors. <i>Electroanalysis</i> , 2019, 31, 2145-2154.	1.5	27
137	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
138	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
139	Development of SYBR-Green Real-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
140	Rapid Screening Electrochemical Methods for Aflatoxin B1 and Type A Trichothecenes: A Preliminary Study. <i>Analytical Letters</i> , 2007, 40, 1333-1346.	1.0	25
141	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
142	Paper-Based Electrochemical Devices in Biomedical Field. <i>Comprehensive Analytical Chemistry</i> , 2017, 77, 385-413.	0.7	25
143	Sustainable materials for the design of forefront printed (bio)sensors applied in agrifood sector. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 128, 115909.	5.8	25
144	Reusable optical multi-plate sensing system for pesticide detection by using electrospun membranes as smart support for acetylcholinesterase immobilisation. <i>Materials Science and Engineering C</i> , 2020, 111, 110744.	3.8	24

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145	Networks based on chitosan and oxidized cyclodextrinâ€™II. Structural and catalytic features of a copper (II)-loaded network. <i>Polymer Gels and Networks</i> , 1998, 5, 525-540.	0.6	23
146	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
147	A paper-based electrochemical sensor for H ₂ O ₂ detection in aerosol phase: Measure of H ₂ O ₂ nebulized by a reconverted ultrasonic aroma diffuser as a case of study. <i>Microchemical Journal</i> , 2021, 166, 106249.	2.3	23
148	An electrochemical immunoassay for the screening of celiac disease in saliva samples. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7189-7196.	1.9	22
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