

Danila Moscone

List of Publications by Citations

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210
papers

9,046
citations

57
h-index

83
g-index

215
ext. papers

10,223
ext. citations

6.4
avg, IF

6.38
L-index

#	Paper	IF	Citations
210	Prussian Blue based screen printed biosensors with improved characteristics of long-term lifetime and pH stability. <i>Biosensors and Bioelectronics</i> , 2003 , 18, 165-74	11.8	289
209	Electrochemical biosensors based on nanomodified screen-printed electrodes: Recent applications in clinical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 79, 114-126	14.6	230
208	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, 155-62	6.6	206
207	Construction and analytical characterization of Prussian-Blue-based carbon paste electrodes and their assembly as oxidase enzyme sensors. <i>Analytical Chemistry</i> , 2001 , 73, 2529-35	7.8	204
206	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	11.8	163
205	Recent advances in biosensors based on enzyme inhibition. <i>Biosensors and Bioelectronics</i> , 2016 , 76, 180-94	11.8	155
204	Origami multiple paper-based electrochemical biosensors for pesticide detection. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 346-354	11.8	155
203	Electrochemical immunosensor array using a 96-well screen-printed microplate for aflatoxin B1 detection. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1434-40	11.8	148
202	Nanomaterials in electrochemical biosensors for pesticide detection: advances and challenges in food analysis. <i>Mikrochimica Acta</i> , 2016 , 183, 2063-2083	5.8	129
201	An electrochemical immunosensor for aflatoxin M1 determination in milk using screen-printed electrodes. <i>Biosensors and Bioelectronics</i> , 2005 , 21, 588-96	11.8	127
200	Biosensors based on cholinesterase inhibition for insecticides, nerve agents and aflatoxin B1 detection (review). <i>Mikrochimica Acta</i> , 2010 , 170, 193-214	5.8	123
199	Laccase biosensor based on screen-printed electrode modified with thionine-carbon black nanocomposite, for Bisphenol A detection. <i>Electrochimica Acta</i> , 2013 , 109, 340-347	6.7	119
198	Novel reagentless paper-based screen-printed electrochemical sensor to detect phosphate. <i>Analytica Chimica Acta</i> , 2016 , 919, 78-84	6.6	117
197	A thionine-modified carbon paste amperometric biosensor for catechol and bisphenol A determination. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 2003-8	11.8	117
196	A paper-based nanomodified electrochemical biosensor for ethanol detection in beers. <i>Analytica Chimica Acta</i> , 2017 , 960, 123-130	6.6	114
195	Enzymatic determination of BPA by means of tyrosinase immobilized on different carbon carriers. <i>Biosensors and Bioelectronics</i> , 2007 , 23, 60-5	11.8	114
194	Bismuth-modified electrodes for lead detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2010 , 29, 1295-1304	14.6	113

193	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	6.6	112
192	New electrochemical sensors for detection of nitrites and nitrates. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 509, 66-72	4.1	112
191	A three-dimensional carbon nanotube network for water treatment. <i>Nanotechnology</i> , 2014 , 25, 065701	3.4	111
190	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	6.6	109
189	Fully integrated ready-to-use paper-based electrochemical biosensor to detect nerve agents. <i>Biosensors and Bioelectronics</i> , 2017 , 93, 46-51	11.8	106
188	Acetylcholinesterase sensor based on screen-printed carbon electrode modified with prussian blue. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 383, 597-604	4.4	98
187	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	5.1	97
186	Characterisation of Prussian blue modified screen-printed electrodes for thiol detection. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 563, 229-237	4.1	96
185	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	8.5	93
184	Carbon Black-Modified Screen-Printed Electrodes as Electroanalytical Tools. <i>Electroanalysis</i> , 2012 , 24, 743-751	3	92
183	Acetylcholinesterase biosensor based on single-walled carbon nanotubes--Co phtalocyanine for organophosphorus pesticides detection. <i>Talanta</i> , 2011 , 85, 216-21	6.2	90
182	Screen-Printed Electrodes Modified with Carbon Nanomaterials: A Comparison among Carbon Black, Carbon Nanotubes and Graphene. <i>Electroanalysis</i> , 2015 , 27, 2230-2238	3	86
181	Carbon black as an outstanding and affordable nanomaterial for electrochemical (bio)sensor design. <i>Biosensors and Bioelectronics</i> , 2020 , 156, 112033	11.8	85
180	Using triplex-forming oligonucleotide probes for the reagentless, electrochemical detection of double-stranded DNA. <i>Analytical Chemistry</i> , 2010 , 82, 9109-15	7.8	82
179	Carbon black as successful screen-printed electrode modifier for phenolic compound detection. <i>Electrochemistry Communications</i> , 2015 , 60, 78-82	5.1	81
178	Development of a bio-electrochemical assay for AFB1 detection in olive oil. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1962-8	11.8	80
177	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	6.7	80
176	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, 1049-57	4.4	79

175	Nanostructured (Bio)sensors for smart agriculture. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 98, 95-103	4.6	79
174	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	5.8	77
173	A microdialysis technique for continuous subcutaneous glucose monitoring in diabetic patients (part 1). <i>Biosensors and Bioelectronics</i> , 2003 , 18, 891-8	11.8	75
172	Surface chemistry effects on the performance of an electrochemical DNA sensor. <i>Bioelectrochemistry</i> , 2009 , 76, 208-13	5.6	73
171	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	6.6	73
170	Screen-printed electrode modified with carbon black nanoparticles for phosphate detection by measuring the electroactive phosphomolybdate complex. <i>Talanta</i> , 2015 , 141, 267-72	6.2	71
169	Enzymatic spectrophotometric method for aflatoxin B detection based on acetylcholinesterase inhibition. <i>Analytical Chemistry</i> , 2007 , 79, 3409-15	7.8	71
168	Development of a hydrogen peroxide sensor based on screen-printed electrodes modified with inkjet-printed Prussian blue nanoparticles. <i>Sensors</i> , 2014 , 14, 14222-34	3.8	69
167	A wearable origami-like paper-based electrochemical biosensor for sulfur mustard detection. <i>Biosensors and Bioelectronics</i> , 2019 , 129, 15-23	11.8	69
166	Aflatoxin M1 determination in raw milk using a flow-injection immunoassay system. <i>Analytica Chimica Acta</i> , 2004 , 520, 141-148	6.6	67
165	Investigation of amperometric detection of phosphate Application in seawater and cyanobacterial biofilm samples. <i>Talanta</i> , 2004 , 63, 567-74	6.2	66
164	Amperometric acetylcholine and choline sensors with immobilized enzymes. <i>Analytica Chimica Acta</i> , 1986 , 179, 439-444	6.6	65
163	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, 7934-9	10.3	64
162	Preparation of paper-based devices for reagentless electrochemical (bio)sensor strips. <i>Nature Protocols</i> , 2019 , 14, 2437-2451	18.8	64
161	Development of a recombinant Fab-fragment based electrochemical immunosensor for deoxynivalenol detection in food samples. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 2615-21	11.8	64
160	Disposable immunosensor for the determination of domoic acid in shellfish. <i>Biosensors and Bioelectronics</i> , 2004 , 20, 190-6	11.8	63
159	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	8.5	61
158	Low-cost and reagent-free paper-based device to detect chloride ions in serum and sweat. <i>Talanta</i> , 2018 , 179, 186-192	6.2	61

157	Subcutaneous microdialysis probe coupled with glucose biosensor for in vivo continuous monitoring. <i>Talanta</i> , 1992 , 39, 1039-44	6.2	61
156	Novel planar glucose biosensors for continuous monitoring use. <i>Biosensors and Bioelectronics</i> , 2005 , 20, 1993-2000	11.8	59
155	Cholinesterase sensors based on screen-printed electrodes for detection of organophosphorus and carbamic pesticides. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 377, 624-31	4.4	58
154	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	3	57
153	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, 854-62	11.8	57
152	Electrocatalytic oxidation of thiocholine at chemically modified cobalt hexacyanoferrate screen-printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 626, 66-74	4.1	55
151	Detection of NADH via electrocatalytic oxidation at single-walled carbon nanotubes modified with Variamine blue. <i>Electrochimica Acta</i> , 2008 , 53, 2161-2169	6.7	55
150	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	6.7	54
149	Electroanalytical Study of Prussian Blue Modified Glassy Carbon Paste Electrodes. <i>Electroanalysis</i> , 2003 , 15, 1204-1211	3	54
148	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	8.5	53
147	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	2.2	53
146	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	8.5	51
145	Paper-based synthesis of Prussian Blue Nanoparticles for the development of whole blood glucose electrochemical biosensor. <i>Talanta</i> , 2018 , 187, 59-64	6.2	49
144	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, 8192-9	5.1	49
143	Detection of Aflatoxin B1 in Barley: Comparative Study of Immunosensor and HPLC. <i>Analytical Letters</i> , 2006 , 39, 1559-1572	2.2	48
142	Cardiac autonomic regulation after lung exposure to carbon nanotubes. <i>Human and Experimental Toxicology</i> , 2009 , 28, 369-75	3.4	47
141	An acetylcholinesterase biosensor for determination of low concentrations of Paraoxon and Dichlorvos. <i>New Biotechnology</i> , 2011 , 29, 132-8	6.4	46
140	An ELIME-array for detection of aflatoxin B1 in corn samples. <i>Food Control</i> , 2009 , 20, 371-375	6.2	45

139	Paper-Based Strips for the Electrochemical Detection of Single and Double Stranded DNA. <i>Analytical Chemistry</i> , 2018 , 90, 13680-13686	7.8	45
138	Heat-treated milk differentiation by a sensitive lactulose assay. <i>Food Chemistry</i> , 2004 , 84, 447-450	8.5	44
137	Cholesterol biosensor based on inkjet-printed Prussian blue nanoparticle-modified screen-printed electrodes. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 187-190	8.5	43
136	Rapid determination of lactulose in milk by microdialysis and biosensors. <i>Analyst, The</i> , 1999 , 124, 325-9	5	43
135	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	6.6	42
134	Inside the different types of carbon black as nanomodifiers for screen-printed electrodes. <i>Electrochimica Acta</i> , 2019 , 317, 673-683	6.7	41
133	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	5.1	40
132	Amperometric separation-free immunosensor for real-time environmental monitoring. <i>Analytica Chimica Acta</i> , 2001 , 427, 173-180	6.6	40
131	Highly sensitive paper-based electrochemical sensor for reagent free detection of bisphenol A. <i>Talanta</i> , 2020 , 216, 120924	6.2	39
130	Carbon Black-Modified Electrodes Screen-Printed onto Paper Towel, Waxed Paper and Parafilm M. <i>Sensors</i> , 2017 , 17,	3.8	39
129	Glutathione amperometric detection based on a thiol-disulfide exchange reaction. <i>Analytica Chimica Acta</i> , 2006 , 558, 164-170	6.6	39
128	A novel continuous subcutaneous lactate monitoring system. <i>Biosensors and Bioelectronics</i> , 2005 , 20, 2244-50	11.8	39
127	A label-free impedimetric aptasensor for the detection of Bacillus anthracis spore simulant. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 640-646	11.8	39
126	Part I: A comparative study of bismuth-modified screen-printed electrodes for lead detection. <i>Analytica Chimica Acta</i> , 2011 , 707, 171-7	6.6	38
125	Toward continuous glucose monitoring with planar modified biosensors and microdialysis. Study of temperature, oxygen dependence and in vivo experiment. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2032-9	11.8	38
124	Production of antibodies and development of highly sensitive formats of enzyme immunoassay for saxitoxin analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 373, 678-84	4.4	38
123	Electrosynthesis of poly-o-diaminobenzene on the Prussian Blue modified electrodes for improvement of hydrogen peroxide transducer characteristics. <i>Bioelectrochemistry</i> , 2002 , 55, 145-8	5.6	38
122	Bi-enzyme reactor for electrochemical detection of low concentrations of uric acid and glucose. <i>Clinica Chimica Acta</i> , 1995 , 239, 153-65	6.2	38

121	Development of a disposable biosensor for lactate monitoring in saliva. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 8-15	8.5	36
120	A disposable immunosensor for detection of 17beta-estradiol in non-extracted bovine serum. <i>Analytica Chimica Acta</i> , 2006 , 572, 11-6	6.6	36
119	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	2.2	36
118	Direct Electrochemistry of Heme Proteins on Electrodes Modified with Didodecyldimethyl Ammonium Bromide and Carbon Black. <i>Electroanalysis</i> , 2012 , 24, 1923-1931	3	34
117	Reversible Enzyme InhibitionBased Biosensors: Applications and Analytical Improvement Through Diagnostic Inhibition. <i>Analytical Letters</i> , 2009 , 42, 1258-1293	2.2	34
116	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, 92-9	6.6	33
115	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	11.8	32
114	Screen-printed electrode modified with carbon black and chitosan: a novel platform for acetylcholinesterase biosensor development. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7299-3094	4.4	31
113	A new enzymatic spectrophotometric assay for the determination of lactulose in milk. <i>Analytica Chimica Acta</i> , 2000 , 406, 217-224	6.6	31
112	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	6.6	31
111	Towards an integrated biosensor array for simultaneous and rapid multi-analysis of endocrine disrupting chemicals. <i>Analytica Chimica Acta</i> , 2012 , 751, 161-70	6.6	30
110	A modular electrochemical peptide-based sensor for antibody detection. <i>Chemical Communications</i> , 2014 , 50, 8962-5	5.8	29
109	Sustainable monitoring of Zn(II) in biological fluids using office paper. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 1199-1206	8.5	29
108	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, 50-6	3.1	29
107	Development and application of an electrochemical plate coupled with immunomagnetic beads (ELIME) array for Salmonella enterica detection in meat samples. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 7200-4	5.7	29
106	Ultrafiltrate sampling device for continuous monitoring. <i>Medical and Biological Engineering and Computing</i> , 1996 , 34, 290-4	3.1	29
105	Precision medicine in Alzheimer's disease: An origami paper-based electrochemical device for cholinesterase inhibitors. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112411	11.8	28
104	Green nanomaterials fostering agrifood sustainability. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 125, 115840	14.6	28

103	Quantitative, reagentless, single-step electrochemical detection of anti-DNA antibodies directly in blood serum. <i>Chemical Communications</i> , 2010 , 46, 1742-4	5.8	28
102	GlucMen Day continuous glucose monitoring system: a screening for enzymatic and electrochemical interferents. <i>Journal of Diabetes Science and Technology</i> , 2012 , 6, 1172-81	4.1	28
101	An eco-designed paper-based algal biosensor for nanoformulated herbicide optical detection. <i>Journal of Hazardous Materials</i> , 2019 , 373, 483-492	12.8	27
100	Analytical aspects of enzyme reversible inhibition. <i>Talanta</i> , 2014 , 118, 368-74	6.2	27
99	Development of an Immunomagnetic Electrochemical Sensor for Detection of BT-CRY1AB/CRY1AC Proteins in Genetically Modified Corn Samples. <i>Analytical Letters</i> , 2006 , 39, 1599-1609	2.2	27
98	Prussian Blue Modified Carbon Nanotube Paste Electrodes: A Comparative Study and a Biochemical Application. <i>Analytical Letters</i> , 2003 , 36, 1921-1938	2.2	27
97	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	4	27
96	Paper-based electroanalytical strip for user-friendly blood glutathione detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 294, 291-297	8.5	27
95	Disposable electrochemical sensor to evaluate the phytoremediation of the aquatic plant Lemna minor L. toward Pb(2+) and/or Cd(2+). <i>Environmental Science & Technology</i> , 2014 , 48, 7477-85	10.3	26
94	Detection of Biogenic Amines in Human Saliva Using a Screen-Printed Biosensor. <i>Analytical Letters</i> , 2010 , 43, 1310-1316	2.2	26
93	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	3.5	26
92	AMPEROMETRIC DETECTION OF BIOGENIC AMINES IN CHEESE USING IMMOBILISED DIAMINE OXIDASE. <i>Analytical Letters</i> , 2001 , 34, 841-854	2.2	26
91	Amperometric lysine bioprobes analysis in feeds. <i>Talanta</i> , 1993 , 40, 1301-6	6.2	25
90	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	7.8	25
89	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	8.5	24
88	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	7.8	24
87	Effect of photosynthesis on pH variation in cyanobacterial biofilms from Roman catacombs. <i>Journal of Applied Phycology</i> , 2000 , 12, 379-384	3.2	23
86	Rapid and Selective Electrochemical Determination of Nitrite in Cured Meat in the Presence of Ascorbic Acid. <i>Mikrochimica Acta</i> , 2004 , 147, 51	5.8	22

85	An electrochemical immunoassay for the screening of celiac disease in saliva samples. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 7189-96	4.4	21
84	Paper-Based Electrochemical Devices in Biomedical Field: Recent Advances and Perspectives. <i>Comprehensive Analytical Chemistry</i> , 2017 , 77, 385-413	1.9	21
83	Rapid and label-free detection of ochratoxin A and aflatoxin B1 using an optical portable instrument. <i>Talanta</i> , 2016 , 150, 440-8	6.2	21
82	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	3	21
81	Rapid Screening Electrochemical Methods for Aflatoxin B1 and Type-A Trichothecenes: A Preliminary Study. <i>Analytical Letters</i> , 2007 , 40, 1333-1346	2.2	21
80	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	2.2	20
79	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	8.5	20
78	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	4	19
77	An ELIME assay for the rapid diagnosis of coeliac disease. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 1191-4	4.4	19
76	Networks based on chitosan and oxidized cyclodextrinII. Structural and catalytic features of a copper (II)-loaded network. <i>Polymer Gels and Networks</i> , 1998 , 5, 525-540		19
75	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	11.8	18
74	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	8.3	18
73	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	6.7	17
72	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	6.6	17
71	Carbon black-based disposable sensor for an on-site detection of free chlorine in swimming pool water. <i>Talanta</i> , 2018 , 189, 262-267	6.2	17
70	Ex Vivo Continuous Glucose Monitoring With Microdialysis Technique: The Example of GlucoDay. <i>IEEE Sensors Journal</i> , 2008 , 8, 63-70	4	17
69	Development and Comparative Evaluation of Different Screening Methods for Detection of <i>Staphylococcus aureus</i> . <i>Analytical Letters</i> , 2005 , 38, 1569-1586	2.2	17
68	In vivo continuous monitoring of glucose by microdialysis and a glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 1992 , 6, 143-145	8.5	17

67	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	2.5	16
66	Rapid Determination of Lactulose in Milk Using Seliwanoff's Reaction. <i>Analytical Letters</i> , 2000 , 33, 125-135		16
65	In-line determination of metabolites and milk components with electrochemical biosensors. <i>Analytica Chimica Acta</i> , 1988 , 213, 101-111	6.6	16
64	A miniaturized bismuth-based sensor to evaluate the marine organism <i>Styela plicata</i> bioremediation capacity toward heavy metal polluted seawater. <i>Science of the Total Environment</i> , 2017 , 584-585, 692-700	10.2	14
63	A 96-well wax printed Prussian Blue paper for the visual determination of cholinesterase activity in human serum. <i>Biosensors and Bioelectronics</i> , 2019 , 134, 97-102	11.8	14
62	Flow-Injection Analysis of Residual Glucose in Wines Using a Semiautomatic Analyzer Equipped with a Prussian Blue-Based Biosensor. <i>Electroanalysis</i> , 2003 , 15, 447-451	3	14
61	Determination of superoxide dismutase activity with an electrochemical oxygen probe. <i>Analytica Chimica Acta</i> , 1988 , 211, 195-204	6.6	14
60	Carbon black nanoparticles to sense algae oxygen evolution for herbicides detection: Atrazine as a case study. <i>Biosensors and Bioelectronics</i> , 2020 , 159, 112203	11.8	13
59	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	3	13
58	Sustainable materials for the design of forefront printed (bio)sensors applied in agrifood sector. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 128, 115909	14.6	13
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