

Danila Moscone

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Smartphone-assisted electrochemical sensor for reliable detection of tyrosine in serum. <i>Talanta</i> , 2022 , 237, 122869	6.2	4
209	A fully-printed electrochemical platform for assisted colorimetric detection of phosphate in saliva: Greenness and whiteness quantification by the AGREE and RGB tools 2022 , 1, 100006		0
208	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	11.8	1
207	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> , 2021 , 200, 113909	11.8	6
206	A paper-based electrochemical sensor for HO detection in aerosol phase: Measure of HO nebulized by a reconverted ultrasonic aroma diffuser as a case of study. <i>Microchemical Journal</i> , 2021 , 166, 106249	4.8	12
205	Paper-based electrochemical sensor for on-site detection of the sulphur mustard. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 25069-25080	5.1	8
204	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
203	Development of novel carbon black-based heterogeneous oligonucleotide-antibody assay for sulfur mustard detection. <i>Sensors and Actuators B: Chemical</i> , 2021 , 328, 129054	8.5	3
202	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
201	Paper-based electrochemical peptide sensor for on-site detection of botulinum neurotoxin serotype A and C. <i>Biosensors and Bioelectronics</i> , 2021 , 183, 113210	11.8	12
200	State of the Art on the SARS-CoV-2 Toolkit for Antigen Detection: One Year Later. <i>Biosensors</i> , 2021 , 11,	5.9	5
199	Engineering DNA-Grafted Quatsomes as Stable Nucleic Acid-Responsive Fluorescent Nanovesicles. <i>Advanced Functional Materials</i> , 2021 , 31, 2103511	15.6	0
198	Multi-array wax paper-based platform for the pre-concentration and determination of silver ions in drinking water. <i>Talanta</i> , 2021 , 232, 122474	6.2	7
197	Origami Paper-Based Electrochemical (Bio)Sensors: State of the Art and Perspective. <i>Biosensors</i> , 2021 , 11,	5.9	9
196	All-solid state ion-selective carbon black-modified printed electrode for sodium detection in sweat. <i>Electrochimica Acta</i> , 2021 , 394, 139050	6.7	9
195	An ELIME assay for hepatitis A virus detection. <i>Talanta</i> , 2021 , 234, 122672	6.2	1
194	Paper-based devices as new smart analytical tools for sustainable detection of environmental pollutants. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021 , 4, 100167	7.5	1

193	Multifarious aspects of electrochemical paper-based (bio)sensors. <i>Comprehensive Analytical Chemistry</i> , 2020 , 139-161	1.9	3
192	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
191	Novel bio-lab-on-a-tip for electrochemical glucose sensing in commercial beverages. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112334	11.8	9
190	Highly sensitive paper-based electrochemical sensor for reagent free detection of bisphenol A. <i>Talanta</i> , 2020 , 216, 120924	6.2	39
189	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
188	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
187	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
186	Green nanomaterials fostering agrifood sustainability. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 125, 115840	14.6	28
185	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
184	Carbon black as an outstanding and affordable nanomaterial for electrochemical (bio)sensor design. <i>Biosensors and Bioelectronics</i> , 2020 , 156, 112033	11.8	85
183	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
182	Paper-Based Electrochemical Devices for the Pharmaceutical Field: State of the Art and Perspectives. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 339	5.8	12
181	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
180	Nanomaterial-based sensors 2020 , 329-359		6
179	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
178	A Miniaturized Carbon Black-based Electrochemical Sensor for Chlorine Dioxide Detection in Swimming Pool Water. <i>Electroanalysis</i> , 2020 , 32, 986-991	3	4
177	A Poly(Propylene Imine) Dendrimer and Carbon Black Modified Flexible Screen Printed Electrochemical Sensor for Lead and Cadmium Co-detection. <i>Electroanalysis</i> , 2020 , 32, 3009-3016	3	1
176	Effects of Humidity, Temperature and Bismuth Electrodeposition on Electroanalytical Performances of Nafion-coated Printed Electrodes for Cd ²⁺ and Pb ²⁺ Detection. <i>Electroanalysis</i> , 2020 , 32, 345-357	3	9

175	Enzyme-Based Materials 2019 , 179-209		1
174	Inside the different types of carbon black as nanomodifiers for screen-printed electrodes. <i>Electrochimica Acta</i> , 2019 , 317, 673-683	6.7	41
173	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
172	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
171	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
170	Preparation of paper-based devices for reagentless electrochemical (bio)sensor strips. <i>Nature Protocols</i> , 2019 , 14, 2437-2451	18.8	64
169	Paper-based electroanalytical strip for user-friendly blood glutathione detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 294, 291-297	8.5	27
168	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
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	Treated Gold Screen-Printed Electrode as Disposable Platform for Label-Free Immunosensing of Salmonella Typhimurium. <i>Electrocatalysis</i> , 2019 , 10, 288-294	2.7	7
165	Origami multiple paper-based electrochemical biosensors for pesticide detection. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 346-354	11.8	155
164	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
163	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
162	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
161	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
160	How to extend range linearity in enzyme inhibition-based biosensing assays. <i>Talanta</i> , 2018 , 189, 365-369	6.2	3
159	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
158	Efforts, Challenges, and Future Perspectives of Graphene-Based (Bio)sensors for Biomedical Applications 2018 , 133-150		2

157	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
156	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	8.5	9
155	Nanostructured (Bio)sensors for smart agriculture. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 98, 95-103	14.6	79
154	Paper-Based Strips for the Electrochemical Detection of Single and Double Stranded DNA. <i>Analytical Chemistry</i> , 2018 , 90, 13680-13686	7.8	45
153	A paper-based nanomodified electrochemical biosensor for ethanol detection in beers. <i>Analytica Chimica Acta</i> , 2017 , 960, 123-130	6.6	114
152	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
151	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
150	Paper-Based Electrochemical Devices in Biomedical Field: Recent Advances and Perspectives. <i>Comprehensive Analytical Chemistry</i> , 2017 , 77, 385-413	1.9	21
149	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
148	Towards an Immunoanalytical Systems for Hepatitis a Virus Determination. <i>Procedia Technology</i> , 2017 , 27, 85-86		4
147	Screen-printed electrodes as versatile electrochemical sensors and biosensors 2017 ,		1
146	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
145	Carbon Black-Modified Electrodes Screen-Printed onto Paper Towel, Waxed Paper and Parafilm M. <i>Sensors</i> , 2017 , 17,	3.8	39
144	Recent advances in biosensors based on enzyme inhibition. <i>Biosensors and Bioelectronics</i> , 2016 , 76, 180-94	14.8	155
143	Commercially Available (Bio)sensors in the Agrifood Sector. <i>Comprehensive Analytical Chemistry</i> , 2016 , 74, 315-340	1.9	10
142	Development of a disposable biosensor for lactate monitoring in saliva. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 8-15	8.5	36
141	Screen-printed electrode modified with carbon black and chitosan: a novel platform for acetylcholinesterase biosensor development. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7299-309	14.4	31
140	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

139	Novel reagentless paper-based screen-printed electrochemical sensor to detect phosphate. <i>Analytica Chimica Acta</i> , 2016 , 919, 78-84	6.6	117
138	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
137	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
136	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
135	Organophosphorous Pesticide Detection in Olive Oil by Using a Miniaturized, Easy-to-Use, and Cost-Effective Biosensor Combined with QuEChERS for Sample Clean-Up. <i>Sensors</i> , 2016 , 17,	3.8	6
134	Electrochemical Biosensors for Chemical Warfare Agents. <i>Advanced Sciences and Technologies for Security Applications</i> , 2016 , 115-139	0.6	4
133	Nanomaterials in electrochemical biosensors for pesticide detection: advances and challenges in food analysis. <i>Mikrochimica Acta</i> , 2016 , 183, 2063-2083	5.8	129
132	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
131	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
130	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, 4353-67	3.8	12
129	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
128	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
127	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
126	Carbon black as successful screen-printed electrode modifier for phenolic compound detection. <i>Electrochemistry Communications</i> , 2015 , 60, 78-82	5.1	81
125	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
124	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
123	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
122	Carbon Black/Gold Nanoparticles Composite for Efficient Amperometric Sensors. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 159-163	0.2	2

121	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
120	Analytical aspects of enzyme reversible inhibition. <i>Talanta</i> , 2014 , 118, 368-74	6.2	27
119	A three-dimensional carbon nanotube network for water treatment. <i>Nanotechnology</i> , 2014 , 25, 065701	3.4	111
118	A modular electrochemical peptide-based sensor for antibody detection. <i>Chemical Communications</i> , 2014 , 50, 8962-5	5.8	29
117	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
116	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
115	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
114	Development of a Very Sensitive ELIME Assay for Detection of IgE to G5 and D2 Aeroallergens in Serum Samples. <i>Electroanalysis</i> , 2014 , 26, 1382-1389	3	6
113	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, 655-63	4.4	11
112	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
111	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
110	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
109	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
108	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
107	Direct Electrochemistry of Heme Proteins on Electrodes Modified with Didodecyldimethyl Ammonium Bromide and Carbon Black. <i>Electroanalysis</i> , 2012 , 24, 1923-1931	3	34
106	Carbon Black-Modified Screen-Printed Electrodes as Electroanalytical Tools. <i>Electroanalysis</i> , 2012 , 24, 743-751	3	92
105	An ELIME assay for the rapid diagnosis of coeliac disease. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 1191-4	4.4	19
104	Glucomen 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

103	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
102	Acetylcholinesterase biosensor based on single-walled carbon nanotubes--Co phtalocyanine for organophosphorus pesticides detection. <i>Talanta</i> , 2011 , 85, 216-21	6.2	90
101	An acetylcholinesterase biosensor for determination of low concentrations of Paraoxon and Dichlorvos. <i>New Biotechnology</i> , 2011 , 29, 132-8	6.4	46
100	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, 792-6	8.3	4
99	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
98	A rapid enzymatic method for aflatoxin B detection. <i>Methods in Molecular Biology</i> , 2011 , 739, 217-35	1.4	12
97	Detection of Biogenic Amines in Human Saliva Using a Screen-Printed Biosensor. <i>Analytical Letters</i> , 2010 , 43, 1310-1316	2.2	26
96	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	2.2	10
95	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
94	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
93	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
92	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
91	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
90	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
89	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
88	Bismuth-modified electrodes for lead detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2010 , 29, 1295-1304	4.6	113
87	Cardiac autonomic regulation after lung exposure to carbon nanotubes. <i>Human and Experimental Toxicology</i> , 2009 , 28, 369-75	3.4	47
86	Surface chemistry effects on the performance of an electrochemical DNA sensor. <i>Bioelectrochemistry</i> , 2009 , 76, 208-13	5.6	73

85	Development of a bio-electrochemical assay for AFB1 detection in olive oil. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1962-8	11.8	80
84	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
83	Construction, assembling and application of a trehalase-GOD enzyme electrode system. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1382-8	11.8	11
82	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
81	Reversible Enzyme Inhibition Based Biosensors: Applications and Analytical Improvement Through Diagnostic Inhibition. <i>Analytical Letters</i> , 2009 , 42, 1258-1293	2.2	34
80	AFB1-AP Conjugate for Enzyme Immunoassay of Aflatoxin B1 in Corn Samples. <i>Analytical Letters</i> , 2009 , 42, 1170-1186	2.2	7
79	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, 7200-4	5.7	29
78	An ELIME-array for detection of aflatoxin B1 in corn samples. <i>Food Control</i> , 2009 , 20, 371-375	6.2	45
77	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
76	ELIME (enzyme linked immuno magnetic electrochemical) method for mycotoxin detection. <i>Journal of Visualized Experiments</i> , 2009 ,	1.6	3
75	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
74	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	0.1	1
73	Ex Vivo Continuous Glucose Monitoring With Microdialysis Technique: The Example of GlucoDay. <i>IEEE Sensors Journal</i> , 2008 , 8, 63-70	4	17
72	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
71	Enzymatic spectrophotometric method for aflatoxin B detection based on acetylcholinesterase inhibition. <i>Analytical Chemistry</i> , 2007 , 79, 3409-15	7.8	71
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, 854-62	11.8	57
69	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
68	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

67	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
66	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
65	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
64	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
63	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	1.9	
62	Chapter 24 Mediated enzyme screen-printed electrode probes for clinical, environmental and food analysis. <i>Comprehensive Analytical Chemistry</i> , 2007 , 49, 559-584	1.9	3
61	Development of SYBR-Green Real-Time PCR and a Multichannel Electrochemical Immunosensor for Specific Detection of Salmonella enterica. <i>Analytical Letters</i> , 2006 , 39, 1611-1625	2.2	20
60	Detection of Aflatoxin B1 in Barley: Comparative Study of Immunosensor and HPLC. <i>Analytical Letters</i> , 2006 , 39, 1559-1572	2.2	48
59	Glutathione amperometric detection based on a thiol-disulfide exchange reaction. <i>Analytica Chimica Acta</i> , 2006 , 558, 164-170	6.6	39
58	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
57	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
56	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	8.5	4
55	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
54	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	5.8	9
53	Development and Comparative Evaluation of Different Screening Methods for Detection of Staphylococcus aureus. <i>Analytical Letters</i> , 2005 , 38, 1569-1586	2.2	17
52	Novel planar glucose biosensors for continuous monitoring use. <i>Biosensors and Bioelectronics</i> , 2005 , 20, 1993-2000	11.8	59
51	A novel continuous subcutaneous lactate monitoring system. <i>Biosensors and Bioelectronics</i> , 2005 , 20, 2244-50	11.8	39
50	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

49	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
48	Chapter 12 Coupling of microdialysis sampling with biosensing detection modes. <i>Comprehensive Analytical Chemistry</i> , 2005 , 44, 579-626	1.9	1
47	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
46	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
45	Heat-treated milk differentiation by a sensitive lactulose assay. <i>Food Chemistry</i> , 2004 , 84, 447-450	8.5	44
44	Characterisation of Prussian blue modified screen-printed electrodes for thiol detection. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 563, 229-237	4.1	96
43	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
42	Aflatoxin M1 determination in raw milk using a flow-injection immunoassay system. <i>Analytica Chimica Acta</i> , 2004 , 520, 141-148	6.6	67
41	Disposable immunosensor for the determination of domoic acid in shellfish. <i>Biosensors and Bioelectronics</i> , 2004 , 20, 190-6	11.8	63
40	Investigation of amperometric detection of phosphate Application in seawater and cyanobacterial biofilm samples. <i>Talanta</i> , 2004 , 63, 567-74	6.2	66
39	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
38	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
37	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
36	Electroanalytical Study of Prussian Blue Modified Glassy Carbon Paste Electrodes. <i>Electroanalysis</i> , 2003 , 15, 1204-1211	3	54
35	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
34	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
33	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
32	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

31	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
30	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
29	New electrochemical sensors for detection of nitrites and nitrates. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 509, 66-72	4.1	112
28	Amperometric separation-free immunosensor for real-time environmental monitoring. <i>Analytica Chimica Acta</i> , 2001 , 427, 173-180	6.6	40
27	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
26	AMPEROMETRIC DETECTION OF BIOGENIC AMINES IN CHEESE USING IMMOBILISED DIAMINE OXIDASE. <i>Analytical Letters</i> , 2001 , 34, 841-854	2.2	26
25	A new enzymatic spectrophotometric assay for the determination of lactulose in milk. <i>Analytica Chimica Acta</i> , 2000 , 406, 217-224	6.6	31
24	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
23	Fast Amperometric Determination of Enzymatic Activity of Glutaminase. <i>Analytical Letters</i> , 2000 , 33, 615-627	2.2	
22	Rapid Determination of Lactulose in Milk Using Seliwanoff's Reaction. <i>Analytical Letters</i> , 2000 , 33, 125-135		16
21	Rapid determination of lactulose in milk by microdialysis and biosensors. <i>Analyst, The</i> , 1999 , 124, 325-9	5	43
20	Networks based on chitosan and oxidized cyclodextrin. Structural and catalytic features of a copper (II)-loaded network. <i>Polymer Gels and Networks</i> , 1998 , 5, 525-540		19
19	Determination of Damaged Starch in Wheat Flour Using an Electrochemical Bienzyme Maltose Probe. <i>Analytical Letters</i> , 1998 , 31, 733-749	2.2	5
18	Ultrafiltrate sampling device for continuous monitoring. <i>Medical and Biological Engineering and Computing</i> , 1996 , 34, 290-4	3.1	29
17	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
16	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
15	Amperometric lysine bioprobes analysis in feeds. <i>Talanta</i> , 1993 , 40, 1301-6	6.2	25
14	Amperometric Alanine Electrode. <i>Analytical Letters</i> , 1993 , 26, 1301-1319	2.2	5

13	Subcutaneous microdialysis probe coupled with glucose biosensor for in vivo continuous monitoring. <i>Talanta</i> , 1992 , 39, 1039-44	6.2	61
12	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
11	Acoustic love-wave sensor for K ⁺ concentration in H ₂ O solutions. <i>Sensors and Actuators B: Chemical</i> , 1992 , 7, 602-605	8.5	12
10	Flow monitoring of glutamate and aspartate in foods and pharmaceutical products with immobilized bienzyme electrochemical cells. <i>Electroanalysis</i> , 1992 , 4, 851-857	3	7
9	Electrochemical biosensors for extracorporeal measurements. <i>Biochemical Society Transactions</i> , 1991 , 19, 5-9	5.1	2
8	Determination of serum cholinesterase activity and dibucaine numbers by an amperometric choline sensor. <i>Biosensors and Bioelectronics</i> , 1990 , 5, 27-35	11.8	11
7	On-line determination of glucose produced by hydrolysis of cellobiose realized with a cellular bioreactor. <i>Biotechnology and Bioengineering</i> , 1989 , 34, 262-4	4.9	1
6	Extracorporeal determination of glucose, lactate and potassium with electrochemical biosensors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1989 , 7, 1377-83	3.5	4
5	In-line determination of metabolites and milk components with electrochemical biosensors. <i>Analytica Chimica Acta</i> , 1988 , 213, 101-111	6.6	16
4	Determination of superoxide dismutase activity with an electrochemical oxygen probe. <i>Analytica Chimica Acta</i> , 1988 , 211, 195-204	6.6	14
3	Amperometric acetylcholine and choline sensors with immobilized enzymes. <i>Analytica Chimica Acta</i> , 1986 , 179, 439-444	6.6	65
2	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
1	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