

Eduardo Mathias Richter

List of Publications by Citations

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208
papers

5,089
citations

38
h-index

55
g-index

227
ext. papers

5,952
ext. citations

4.5
avg, IF

6.11
L-index

#	Paper	IF	Citations
208	A Simple and Innovative Route to Prepare a Novel Carbon Nanotube/Prussian Blue Electrode and its Utilization as a Highly Sensitive H ₂ O ₂ Amperometric Sensor. <i>Advanced Functional Materials</i> , 2009 , 19, 3980-3986	15.6	144
207	Portable analytical platforms for forensic chemistry: A review. <i>Analytica Chimica Acta</i> , 2018 , 1034, 1-21	6.6	142
206	Additive-manufactured (3D-printed) electrochemical sensors: A critical review. <i>Analytica Chimica Acta</i> , 2020 , 1118, 73-91	6.6	127
205	3D printing for electroanalysis: From multiuse electrochemical cells to sensors. <i>Analytica Chimica Acta</i> , 2018 , 1033, 49-57	6.6	125
204	Gold electrodes from recordable CDs. <i>Analytical Chemistry</i> , 2000 , 72, 5503-6	7.8	123
203	Rapid and selective determination of hydrogen peroxide residues in milk by batch injection analysis with amperometric detection. <i>Food Chemistry</i> , 2012 , 133, 200-204	8.5	109
202	3D-Printed graphene/poly(lactic acid) electrode for bioanalysis: Biosensing of glucose and simultaneous determination of uric acid and nitrite in biological fluids. <i>Sensors and Actuators B: Chemical</i> , 2020 , 307, 127621	8.5	91
201	Complete Additively Manufactured (3D-Printed) Electrochemical Sensing Platform. <i>Analytical Chemistry</i> , 2019 , 91, 12844-12851	7.8	85
200	A portable electrochemical method for cocaine quantification and rapid screening of common adulterants in seized samples. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 557-565	8.5	69
199	Behaviour of the antioxidant tert-butylhydroquinone on the storage stability and corrosive character of biodiesel. <i>Fuel</i> , 2011 , 90, 3480-3484	7.1	66
198	Simultaneous determination of caffeine, paracetamol, and ibuprofen in pharmaceutical formulations by high-performance liquid chromatography with UV detection and by capillary electrophoresis with conductivity detection. <i>Journal of Separation Science</i> , 2015 , 38, 1657-62	3.4	64
197	Fast and direct determination of butylated hydroxyanisole in biodiesel by batch injection analysis with amperometric detection. <i>Talanta</i> , 2011 , 85, 1274-8	6.2	62
196	Fast simultaneous determination of BHA and TBHQ antioxidants in biodiesel by batch injection analysis using pulsed-amperometric detection. <i>Talanta</i> , 2012 , 99, 527-31	6.2	61
195	Combination of screen-printed electrodes and batch injection analysis: A simple, robust, high-throughput, and portable electrochemical system. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 93-98	8.5	60
194	<i>Moringa oleifera</i> : A potential source for production of biodiesel and antioxidant additives. <i>Fuel</i> , 2015 , 146, 75-80	7.1	60
193	Transparent films from carbon nanotubes/Prussian blue nanocomposites: preparation, characterization, and application as electrochemical sensors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1824-1833		59
192	On-site fuel electroanalysis: determination of lead, copper and mercury in fuel bioethanol by anodic stripping voltammetry using screen-printed gold electrodes. <i>Analytica Chimica Acta</i> , 2014 , 837, 38-43	6.6	58

191	Phosphate adsorption on chemically modified sugarcane bagasse fibres. <i>Biomass and Bioenergy</i> , 2011 , 35, 3913-3919	5.3	57
190	Improved electrochemical detection of metals in biological samples using 3D-printed electrode: Chemical/electrochemical treatment exposes carbon-black conductive sites. <i>Electrochimica Acta</i> , 2020 , 335, 135688	6.7	56
189	Storage stability and corrosive character of stabilised biodiesel exposed to carbon and galvanised steels. <i>Fuel</i> , 2013 , 107, 609-614	7.1	56
188	Simple and Sensitive Paper-Based Device Coupling Electrochemical Sample Pretreatment and Colorimetric Detection. <i>Analytical Chemistry</i> , 2016 , 88, 5145-51	7.8	56
187	Electrophoresis microchip fabricated by a direct-printing process with end-channel amperometric detection. <i>Electrophoresis</i> , 2004 , 25, 3832-9	3.6	55
186	3D-printed flexible device combining sampling and detection of explosives. <i>Sensors and Actuators B: Chemical</i> , 2019 , 292, 308-313	8.5	54
185	Carbon nanotube/Prussian blue thin films as cathodes for flexible, transparent and ITO-free potassium secondary battery. <i>Journal of Colloid and Interface Science</i> , 2016 , 478, 107-16	9.3	54
184	Two new electrochemical methods for fast and simultaneous determination of codeine and diclofenac. <i>Talanta</i> , 2013 , 116, 1026-32	6.2	54
183	Fast and simultaneous determination of nimesulide and paracetamol by batch injection analysis with amperometric detection on bare boron-doped diamond electrode. <i>Diamond and Related Materials</i> , 2013 , 39, 41-46	3.5	53
182	Fast batch injection analysis system for on-site determination of ethanol in gasohol and fuel ethanol. <i>Talanta</i> , 2012 , 90, 99-102	6.2	51
181	Paper-based enzymatic reactors for batch injection analysis of glucose on 3D printed cell coupled with amperometric detection. <i>Sensors and Actuators B: Chemical</i> , 2016 , 226, 196-203	8.5	48
180	Carbon nanotube/Prussian blue paste electrodes: Characterization and study of key parameters for application as sensors for determination of low concentration of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2014 , 192, 782-790	8.5	46
179	Batch injection analysis with amperometric detection: application for simultaneous analysis using a single working electrode. <i>Analytical Methods</i> , 2011 , 3, 2804	3.2	46
178	Batch-injection analysis with amperometric detection of the DPPH radical for evaluation of antioxidant capacity. <i>Food Chemistry</i> , 2016 , 192, 691-7	8.5	45
177	Fast Determination of Ciprofloxacin by Batch Injection Analysis with Amperometric Detection and Capillary Electrophoresis with Capacitively Coupled Contactless Conductivity Detection. <i>Electroanalysis</i> , 2014 , 26, 432-438	3	45
176	Simultaneous determination of captopril and hydrochlorothiazide on boron-doped diamond electrode by batch injection analysis with multiple pulse amperometric detection. <i>Sensors and Actuators B: Chemical</i> , 2015 , 212, 411-418	8.5	42
175	Batch-injection Analysis Better than ever: New Materials for Improved Electrochemical Detection and On-site Applications. <i>Electroanalysis</i> , 2018 , 30, 1386-1399	3	41
174	Chemically versus electrochemically reduced graphene oxide: Improved amperometric and voltammetric sensors of phenolic compounds on higher roughness surfaces. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 701-708	8.5	41

173	Simultaneous determination of ethanol and methanol in fuel ethanol using cyclic voltammetry. <i>Fuel</i> , 2013 , 103, 725-729	7.1	40
172	A Simple Strategy for Simultaneous Determination of Paracetamol and Caffeine Using Flow Injection Analysis with Multiple Pulse Amperometric Detection. <i>Electroanalysis</i> , 2011 , 23, 2764-2770	3	40
171	Multi-walled carbon nanotubes: Size-dependent electrochemistry of phenolic compounds. <i>Electrochimica Acta</i> , 2015 , 176, 36-43	6.7	39
170	Fast determination of naproxen in pharmaceutical formulations by batch injection analysis with pulsed amperometric detection. <i>Journal of the Brazilian Chemical Society</i> , 2012 , 23, 1834-1838	1.5	38
169	Disposable Gold Electrodes with Reproducible Area Using Recordable CDs and Toner Masks. <i>Electroanalysis</i> , 2006 , 18, 89-94	3	38
168	Analytical procedure for total mercury determination in fishes and shrimps by chronopotentiometric stripping analysis at gold film electrodes after microwave digestion. <i>Food Chemistry</i> , 2007 , 101, 579-584	8.5	37
167	Direct amperometric determination of tert-butylhydroquinone in biodiesel. <i>Talanta</i> , 2010 , 82, 1599-603	6.2	35
166	Compact Disks, a New Source for Gold Electrodes. Application to the Quantification of Copper by PSA. <i>Electroanalysis</i> , 2001 , 13, 760-764	3	35
165	Production of 3D-printed disposable electrochemical sensors for glucose detection using a conductive filament modified with nickel microparticles. <i>Analytica Chimica Acta</i> , 2020 , 1132, 1-9	6.6	35
164	Simultaneous Flow Injection Analysis of Paracetamol and Ascorbic Acid with Multiple Pulse Amperometric Detection. <i>Electroanalysis</i> , 2008 , 20, 1878-1883	3	34
163	Simultaneous determination of three species with a single-injection step using batch injection analysis with multiple pulse amperometric detection. <i>Talanta</i> , 2016 , 146, 670-5	6.2	33
162	Influence of blending soybean, sunflower, colza, corn, cottonseed, and residual cooking oil methyl biodiesels on the oxidation stability. <i>Fuel</i> , 2014 , 118, 16-20	7.1	33
161	LTCC manifold for heavy metal detection system in biomedical and environmental fluids. <i>Sensors and Actuators B: Chemical</i> , 2004 , 103, 468-473	8.5	33
160	Chronopotentiometric Stripping Analysis Using Gold Electrodes, an Efficient Technique for Mercury Quantification in Natural Waters. <i>Electroanalysis</i> , 2005 , 17, 755-761	3	33
159	Electrochemical Oxidation of Ibuprofen and Its Voltammetric Determination at a Boron-Doped Diamond Electrode. <i>Electroanalysis</i> , 2013 , 25, 1585-1588	3	32
158	Flow-Injection Amperometric Method for Determination of Diclofenac in Pharmaceutical Formulations Using a Boron-Doped Diamond Electrode. <i>Electroanalysis</i> , 2011 , 23, 2521-2525	3	32
157	Internal standard in flow injection analysis with amperometric detection. <i>Electrochemistry Communications</i> , 2010 , 12, 216-218	5.1	32
156	A batch injection analysis system with square-wave voltammetric detection for fast and simultaneous determination of naphazoline and zinc. <i>Talanta</i> , 2016 , 152, 308-13	6.2	31

155	A simple and fast batch injection analysis method for simultaneous determination of phenazopyridine, sulfamethoxazole, and trimethoprim on boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 766, 87-93	4.1	31
154	Simultaneous determination of diclofenac and its common counter-ions in less than 1 minute using capillary electrophoresis with contactless conductivity detection. <i>Electrophoresis</i> , 2013 , 34, 1423-8	3.6	31
153	Fabrication of a new generator-collector electrochemical micro-device: Characterization and applications. <i>Electrochemistry Communications</i> , 2006 , 8, 9-14	5.1	31
152	Boron Doped Diamond Electrodes in Flow-Based Systems. <i>Frontiers in Chemistry</i> , 2019 , 7, 190	5	30
151	Two simple and fast electrochemical methods for simultaneous determination of promethazine and codeine. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 713, 32-38	4.1	30
150	Flow-Injection Amperometric Method for Indirect Determination of Dopamine in the Presence of a Large Excess of Ascorbic Acid. <i>Electroanalysis</i> , 2010 , 22, 74-78	3	30
149	Fast determination of codeine, orphenadrine, promethazine, scopolamine, tramadol, and paracetamol in pharmaceutical formulations by capillary electrophoresis. <i>Journal of Separation Science</i> , 2017 , 40, 1815-1823	3.4	29
148	Determination of anions, cations, and sugars in coconut water by capillary electrophoresis. <i>Journal of the Brazilian Chemical Society</i> , 2005 , 16, 1134	1.5	29
147	Exploring Multiwalled Carbon Nanotubes for Naproxen Detection. <i>Electroanalysis</i> , 2014 , 26, 1449-1453	3	28
146	Direct Determination of Copper in Biodiesel Using Stripping Analysis. <i>Electroanalysis</i> , 2010 , 22, 1846-1850		28
145	Determination of inorganic ions in ethanol fuel by capillary electrophoresis. <i>Journal of the Brazilian Chemical Society</i> , 2004 , 15, 523-526	1.5	27
144	Use of pyrolyzed paper as disposable substrates for voltammetric determination of trace metals. <i>Talanta</i> , 2017 , 165, 33-38	6.2	26
143	Additive-manufactured sensors for biofuel analysis: copper determination in bioethanol using a 3D-printed carbon black/polylactic electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 2755-2762	4.4	26
142	Ultra-fast determination of caffeine, dipyrone, and acetylsalicylic acid by capillary electrophoresis with capacitively coupled contactless conductivity detection and identification of degradation products. <i>Journal of Chromatography A</i> , 2014 , 1327, 149-54	4.5	26
141	Fast ultrasound-assisted treatment of inorganic fertilizers for mercury determination by atomic absorption spectrometry and microwave-induced plasma spectrometry with the aid of the cold-vapor technique. <i>Microchemical Journal</i> , 2015 , 118, 40-44	4.8	25
140	A Compact Batch Injection Analysis Cell for Screen Printed Electrodes: A Portable Electrochemical System for On-site Analysis. <i>Electroanalysis</i> , 2016 , 28, 1856-1859	3	25
139	Simultaneous Determination of Caffeine, Ibuprofen, and Paracetamol by Flow-injection Analysis with Multiple-pulse Amperometric Detection on Boron-doped Diamond Electrode. <i>Electroanalysis</i> , 2015 , 27, 2785-2791	3	25
138	A Simple Strategy to Improve the Accuracy of the Injection Step in Batch Injection Analysis Systems with Amperometric Detection. <i>Electroanalysis</i> , 2012 , 24, 1805-1810	3	25

137	Extending the lifetime of the running electrolyte in capillary electrophoresis by using additional compartments for external electrolysis. <i>Analytical Chemistry</i> , 2005 , 77, 607-14	7.8	25
136	Morphology of ZnO nanoparticles bound to carbon nanotubes affects electrocatalytic oxidation of phenolic compounds. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 557-565	8.5	24
135	Determination of propranolol and hydrochlorothiazide by batch injection analysis with amperometric detection and capillary electrophoresis with capacitively coupled contactless conductivity detection. <i>Analytical Methods</i> , 2014 , 6, 3261-3267	3.2	24
134	Size effects of multi-walled carbon nanotubes on the electrochemical oxidation of propionic acid derivative drugs: Ibuprofen and naproxen. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 775, 342-349	4.1	23
133	Simple flow injection amperometric system for simultaneous determination of dipyrone and paracetamol in pharmaceutical formulations. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 1249-1255	1.5	23
132	Disposable twin gold electrodes for amperometric detection in capillary electrophoresis. <i>Electrophoresis</i> , 2004 , 25, 2965-9	3.6	23
131	An Overview of Recent Electroanalytical Applications Utilizing Screen-Printed Electrodes Within Flow Systems. <i>ChemElectroChem</i> , 2020 , 7, 2211-2221	4.3	22
130	Organic-resistant screen-printed graphitic electrodes: Application to on-site monitoring of liquid fuels. <i>Analytica Chimica Acta</i> , 2016 , 934, 1-8	6.6	22
129	Highly-sensitive voltammetric detection of trinitrotoluene on reduced graphene oxide/carbon nanotube nanocomposite sensor. <i>Analytica Chimica Acta</i> , 2018 , 1035, 14-21	6.6	22
128	Graphite-Composite Electrodes Bulk-Modified with (BiO)2CO3 and Bi2O3 Plates-Like Nanostructures for Trace Metal Determination by Anodic Stripping Voltammetry. <i>Electroanalysis</i> , 2013 , 25, 765-770	3	22
127	Highly sensitive amperometric detection of drugs and antioxidants on non-functionalized multi-walled carbon nanotubes: Effect of metallic impurities?. <i>Electrochimica Acta</i> , 2017 , 240, 80-89	6.7	21
126	Batch-injection stripping voltammetry of metals in fuel bioethanol. <i>Fuel</i> , 2014 , 117, 952-956	7.1	21
125	Development of a Simple and Fast Electrochemical Method for Screening and Stoichiometric Determination of Dimenhydrinate. <i>Electroanalysis</i> , 2014 , 26, 1905-1911	3	21
124	3D-printing pen versus desktop 3D-printers: Fabrication of carbon black/polylactic acid electrodes for single-drop detection of 2,4,6-trinitrotoluene. <i>Analytica Chimica Acta</i> , 2020 , 1132, 10-19	6.6	21
123	Batch-injection versus Flow-injection Analysis Using Screen-printed Electrodes: Determination of Ciprofloxacin in Pharmaceutical Formulations. <i>Electroanalysis</i> , 2016 , 28, 350-357	3	21
122	Batch-injection stripping voltammetry of zinc at a gold electrode: application for fuel bioethanol analysis. <i>Electrochimica Acta</i> , 2015 , 164, 90-96	6.7	20
121	Carbon nanotube/reduced graphene oxide thin-film nanocomposite formed at liquid-liquid interface: Characterization and potential electroanalytical applications. <i>Sensors and Actuators B: Chemical</i> , 2018 , 269, 293-303	8.5	20
120	Amperometric determination of omeprazole on screen-printed electrodes using batch injection analysis. <i>Microchemical Journal</i> , 2017 , 133, 398-403	4.8	19

119	Fast methods for simultaneous determination of arginine, ascorbic acid and aspartic acid by capillary electrophoresis. <i>Talanta</i> , 2019 , 204, 353-358	6.2	19
118	Ultrasound-assisted digestion of biodiesel samples for determination of metals by stripping voltammetry. <i>Analytical Methods</i> , 2015 , 7, 7170-7176	3.2	19
117	Electrochemical synthesis of Prussian blue from iron impurities in 3D-printed graphene electrodes: Amperometric sensing platform for hydrogen peroxide. <i>Talanta</i> , 2020 , 219, 121289	6.2	19
116	Influence of Al ₂ O ₃ nanoparticles structure immobilized upon glassy-carbon electrode on the electrocatalytic oxidation of phenolic compounds. <i>Sensors and Actuators B: Chemical</i> , 2018 , 262, 646-654	8.5	19
115	Eucalyptus pulp as an adsorbent for biodiesel purification. <i>Cellulose</i> , 2015 , 22, 1263-1274	5.5	19
114	Voltammetric determination of copper and tert-butylhydroquinone in biodiesel: A rapid quality control protocol. <i>Talanta</i> , 2019 , 201, 433-440	6.2	18
113	Amperometric determination of the insecticide fipronil using batch injection analysis: comparison between unmodified and carbon-nanotube-modified electrodes. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 2453-2459	2.6	18
112	Fast and direct determination of mancozeb through batch injection analysis with amperometric detection on boron-doped diamond electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 733, 85-90	4.1	18
111	FIA-potentiometry in the sub-Nernstian response region for rapid and direct chloride assays in milk and in coconut water. <i>Talanta</i> , 2005 , 67, 651-7	6.2	18
110	3D printing pen using conductive filaments to fabricate affordable electrochemical sensors for trace metal monitoring. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 876, 114701	4.1	18
109	Simultaneous determination of lead and antimony in gunshot residue using a 3D-printed platform working as sampler and sensor. <i>Analytica Chimica Acta</i> , 2020 , 1130, 126-136	6.6	18
108	Voltammetric Determination of Pb, Cu and Hg in Biodiesel Using Gold Screen-printed Electrode: Comparison of Batch-injection Analysis with Conventional Electrochemical Systems. <i>Electroanalysis</i> , 2016 , 28, 940-946	3	18
107	Electrochemically Reduced Graphene Oxide for Forensic Electrochemistry: Detection of Cocaine and its Adulterants Paracetamol, Caffeine and Levamisole. <i>Electroanalysis</i> , 2017 , 29, 2418-2422	3	17
106	Single-run capillary electrophoresis method for the fast simultaneous determination of amoxicillin, clavulanate, and potassium. <i>Journal of Separation Science</i> , 2017 , 40, 3557-3562	3.4	17
105	On-Site Determination of Carbendazim, Cathecol and Hydroquinone in Tap Water Using a Homemade Batch Injection Analysis Cell for Screen Printed Electrodes. <i>Electroanalysis</i> , 2015 , 27, 271-275	3	17
104	Low-potential reduction of sulfite at a ruthenium-oxide hexacyanoferrate modified electrode. <i>Electrochemistry Communications</i> , 2012 , 21, 26-29	5.1	17
103	A novel disposable electrochemical microcell: construction and characterization. <i>Journal of the Brazilian Chemical Society</i> , 2008 , 19, 1538-1545	1.5	17
102	Voltammetric Lead Determination in Aviation Fuel Samples Using a Screen-Printed Gold Electrode and Batch-Injection Analysis. <i>Electroanalysis</i> , 2016 , 28, 633-639	3	17

101	A simple and fast-portable method for the screening of the appetite-suppressant drug sibutramine in natural products and multivitamins supplements. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 449-456	8.5	17
100	The use of a new twin-electrode thin-layer cell to the study of homogeneous processes coupled to electrode reactions. <i>Journal of Electroanalytical Chemistry</i> , 2006 , 596, 101-108	4.1	16
99	Reduced graphene oxide/multi-walled carbon nanotubes/prussian blue nanocomposites for amperometric detection of strong oxidants. <i>Materials Chemistry and Physics</i> , 2020 , 250, 123011	4.4	16
98	Square-wave Voltammetric Determination of Propyphenazone, Paracetamol, and Caffeine: Comparative Study between Batch Injection Analysis and Conventional Electrochemical Systems. <i>Electroanalysis</i> , 2017 , 29, 1860-1866	3	15
97	Determination of Amlodipine and Atenolol by Batch Injection Analysis with Amperometric Detection on Boron-doped Diamond Electrode. <i>Electroanalysis</i> , 2016 , 28, 1455-1461	3	15
96	Determinao de nimesulida por anlise por injeo em fluxo com deteco amperomtrica de mltiplos pulsos. <i>Quimica Nova</i> , 2013 , 36, 1296-1302	1.6	15
95	Stripping Voltammetric Determination of Mercury in Fish Oil Capsules Using a Screen-printed Gold Electrode. <i>Electroanalysis</i> , 2018 , 30, 20-23	3	15
94	Combination of sonication and heating for metal extraction from inorganic fertilizers prior to microwave-induced plasma spectrometry determinations. <i>Applied Acoustics</i> , 2016 , 103, 124-128	3.1	14
93	3D-printed Portable Platform for Mechanized Handling and Injection of Microvolumes Coupled to Electrochemical Detection. <i>Electroanalysis</i> , 2019 , 31, 771-777	3	14
92	Combining C(4) D and MS as a dual detection approach for capillary electrophoresis. <i>Electrophoresis</i> , 2016 , 37, 931-5	3.6	14
91	In situ electrochemical determination of free Cu(II) ions in biodiesel using screen-printed electrodes: Direct correlation with oxidation stability. <i>Fuel</i> , 2018 , 234, 1452-1458	7.1	14
90	Mechanistic Insights Gained by Monitoring Carbon Nanotube/Prussian Blue Nanocomposite Formation With in Situ Electrochemically Based Techniques. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 13157-13167	3.8	14
89	Electrochemical Oxidation of the Fungicide Dimoxystrobin and Its Amperometric Determination by Batch-Injection Analysis. <i>Analytical Letters</i> , 2014 , 47, 492-503	2.2	14
88	Electrochemical detection of 3,4-methylenedioxymethamphetamine (ecstasy) using a boron-doped diamond electrode with differential pulse voltammetry: Simple and fast screening method for application in forensic analysis. <i>Microchemical Journal</i> , 2020 , 157, 105088	4.8	13
87	Electrochemical detection of the synthetic cathinone 3,4-methylenedioxypyrovalerone using carbon screen-printed electrodes: A fast, simple and sensitive screening method for forensic samples. <i>Electrochimica Acta</i> , 2020 , 354, 136728	6.7	13
86	Development of a Novel Versatile Method for Determination of two Antihistamines in Association with Naphazoline Using Cathodically Pretreated Boron-doped Diamond Electrode. <i>Electroanalysis</i> , 2018 , 30, 868-876	3	13
85	Eucalyptus pulp as an adsorbent for metal removal from biodiesel. <i>Industrial Crops and Products</i> , 2017 , 95, 1-5	5.9	13
84	Use of microdevices to determine the diffusion coefficient of electrochemically generated species: application to binary solvent mixtures and micellar solutions. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 12478-84	3.4	13

83	Three electrode electrochemical microfluidic cell: construction and characterization. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 1235-1241	1.5	13
82	Electrochemical detection of 2,4,6-trinitrotoluene on carbon nanotube modified electrode: Effect of acid functionalization. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 121-129	2.6	13
81	Fast determination of diphenhydramine, pyridoxine, and 8-chlorotheophylline by capillary electrophoresis with capacitively coupled contactless conductivity detection. <i>Analytical Methods</i> , 2016 , 8, 4432-4437	3.2	13
80	Evaluation of graphite sheets for production of high-quality disposable sensors. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 833, 560-567	4.1	13
79	Investigation on acid functionalization of double-walled carbon nanotubes of different lengths on the development of amperometric sensors. <i>Electrochimica Acta</i> , 2019 , 299, 762-771	6.7	13
78	Portable electrochemical system using screen-printed electrodes for monitoring corrosion inhibitors. <i>Talanta</i> , 2017 , 174, 420-427	6.2	12
77	Graphite sheet as a novel material for the collection and electrochemical sensing of explosive residues. <i>Talanta</i> , 2019 , 203, 106-111	6.2	12
76	Flow-Injection Pulsed-Amperometric Determination of Free Glycerol in Biodiesel at a Gold Electrode. <i>Electroanalysis</i> , 2012 , 24, 1160-1163	3	12
75	Tetrahydrocurcuminoids as potential antioxidants for biodiesels. <i>Fuel</i> , 2015 , 160, 490-494	7.1	11
74	Carbon-nanotube Modified Screen-printed Electrode for the Simultaneous Determination of Nitrite and Uric Acid in Biological Fluids Using Batch-injection Amperometric Detection. <i>Electroanalysis</i> , 2018 , 30, 1870-1879	3	11
73	A high-throughput BIA-MPA method for the simultaneous determination of amiloride and furosemide. <i>Analytical Methods</i> , 2016 , 8, 7959-7965	3.2	11
72	A sub-minute electrophoretic method for simultaneous determination of naphazoline and zinc. <i>Journal of Chromatography A</i> , 2016 , 1472, 134-137	4.5	11
71	Stripping voltammetric determination of manganese in bioethanol. <i>Microchemical Journal</i> , 2014 , 116, 178-182	4.8	11
70	Effect of light source and applied potential in the electrochemical synthesis of Prussian blue on carbon nanotubes. <i>Electrochimica Acta</i> , 2017 , 251, 513-521	6.7	11
69	Three-Electrode-Integrated Sensor into a Micropipette Tip. <i>Electroanalysis</i> , 2010 , 22, 2167-2171	3	11
68	Critical evaluation of voltammetric techniques for antioxidant capacity and activity: Presence of alumina on glassy-carbon electrodes alters the results. <i>Electrochimica Acta</i> , 2020 , 358, 136925	6.7	11
67	High-throughput screening of cocaine, adulterants, and diluents in seized samples using capillary electrophoresis with capacitively coupled contactless conductivity detection. <i>Talanta</i> , 2020 , 217, 120987	6.2	11
66	One step microwave-hydrothermal synthesis of rGO@TiO ₂ nanocomposites for enhanced electrochemical oxygen evolution reaction. <i>New Journal of Chemistry</i> , 2020 , 44, 6825-6832	3.6	11

65	Feasible strategies to promote the sensing performances of spinel MCo ₂ O ₄ (M = Ni, Fe, Mn, Cu and Zn) based electrochemical sensors: a review. <i>Journal of Materials Chemistry C</i> ,	7.1	11
64	Screen-printed electrodes for quality control of liquid (Bio)fuels. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 108, 210-220	14.6	11
63	Corrosive character of Moringa oleifera Lam biodiesel exposed to carbon steel under simulated storage conditions. <i>Renewable Energy</i> , 2019 , 139, 1263-1271	8.1	10
62	Self-Recharging Reduced Graphene Oxide-Prussian Blue Electrodes for Transparent Batteries. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2241-2249	5.6	10
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