Eduardo Mathias Richter

List of Publications by Year in Descending Order

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	New conductive filament ready-to-use for 3D-printing electrochemical (bio)sensors: Towards the detection of SARS-CoV-2.. *Analytica Chimica Acta*, **2022**, 1191, 339372	6.6	6
207	Simultaneous determination of scopolamine and butylscopolamine in pharmaceutical and beverage samples by capillary zone electrophoresis. *Microchemical Journal*, **2022**, 172, 106985	4.8	3
206	Amperometric Detection for Bioanalysis **2022**, 253-264		
205	Portable amperometric method for selective determination of caffeine in samples with the presence of interfering electroactive chemical species. *Journal of Electroanalytical Chemistry*, **2022**, 906, 116006	4.1	1
204	Affordable equipment to fabricate laser-induced graphene electrodes for portable electrochemical sensing.. *Mikrochimica Acta*, **2022**, 189, 185	5.8	0
203	Graphite sheets modified with poly(methylene blue) films: A cost-effective approach for the electrochemical sensing of the antibiotic nitrofurantoin. *Microchemical Journal*, **2022**, 177, 107289	4.8	0
202	Prussian blue-modified laser-induced graphene platforms for detection of hydrogen peroxide.. *Mikrochimica Acta*, **2022**, 189, 188	5.8	1
201	3D-printed carbon black/polylactic acid electrochemical sensor combined with batch injection analysis: A cost-effective and portable tool for naproxen sensing. *Microchemical Journal*, **2022**, 180, 107565	4.8	0
200	Fast on-site screening of 3,4-methylenedioxyethylamphetamine (MDEA) in forensic samples using carbon screen-printed electrode and square wave voltammetry. *Electrochimica Acta*, **2021**, 139599	6.7	2
199	Electrochemical Sensors Enabled by 3D Printing: A Tutorial for Beginners **2021**,		
198	Ultra-rapid capillary zone electrophoresis method for simultaneous determination of arginine and ibuprofen. *Journal of Separation Science*, **2021**, 44, 2596-2601	3.4	1
197	Oxidative stability and corrosivity of biodiesel produced from residual cooking oil exposed to copper and carbon steel under simulated storage conditions: Dual effect of antioxidants. *Renewable Energy*, **2021**, 164, 1485-1495	8.1	7
196	A Batch Injection Analysis System with Square-wave Voltammetric Detection for Fast and Simultaneous Determination of Zinc and Ascorbic Acid. *Electroanalysis*, **2021**, 33, 90-96	3	0
195	Fast and portable voltammetric method for the determination of the amphetamine adulterant ephedrine in natural over-the-counter weight-loss products. *Microchemical Journal*, **2021**, 160, 105757	4.8	4
194	3D-printing for forensic chemistry: voltammetric determination of cocaine on additively manufactured graphene-polylactic acid electrodes. *Analytical Methods*, **2021**, 13, 1788-1794	3.2	4
193	Simple and rapid voltammetric method for the detection of the synthetic adulterant fluoxetine in weight loss products. *Journal of Electroanalytical Chemistry*, **2021**, 882, 115028	4.1	2
192	Al2O3 microparticles immobilized on glassy-carbon electrode as catalytic sites for the electrochemical oxidation and high detectability of naproxen: Experimental and simulation insights. *Journal of Electroanalytical Chemistry*, **2021**, 882, 114988	4.1	5

191	3D-printing in forensic electrochemistry: Atropine determination in beverages using an additively manufactured graphene-polylactic acid electrode. *Microchemical Journal*, **2021**, 167, 106324	4.8	4
190	Simple and rapid electrochemical detection of 1-benzylpiperazine on carbon screen-printed electrode. *Microchemical Journal*, **2021**, 167, 106282	4.8	4
189	Development of a simple and rapid screening method for the detection of 1-(3-chlorophenyl)piperazine in forensic samples. *Talanta*, **2021**, 233, 122597	6.2	3
188	Reactive oxygen plasma treatment of 3D-printed carbon electrodes towards high-performance electrochemical sensors. *Sensors and Actuators B: Chemical*, **2021**, 347, 130651	8.5	5
187	Electrochemical synthesis of Prussian blue from iron impurities in 3D-printed graphene electrodes: Amperometric sensing platform for hydrogen peroxide. *Talanta*, **2020**, 219, 121289	6.2	19
186	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. *Microchemical Journal*, **2020**, 157, 105088	4.8	13
185	An Overview of Recent Electroanalytical Applications Utilizing Screen-Printed Electrodes Within Flow Systems. *ChemElectroChem*, **2020**, 7, 2211-2221	4.3	22
184	Versatile additively manufactured (3D printed) wall-jet flow cell for high performance liquid chromatography-amperometric analysis: application to the detection and quantification of new psychoactive substances (NBOMes). *Analytical Methods*, **2020**, 12, 2152-2165	3.2	7
183	Additive-manufactured sensors for biofuel analysis: copper determination in bioethanol using a 3D-printed carbon black/polylactic electrode. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 2755-2762	4.4	26
182	Electrochemical detection of the synthetic cathinone 3,4-methylenedioxypyrovalerone using carbon screen-printed electrodes: A fast, simple and sensitive screening method for forensic samples. *Electrochimica Acta*, **2020**, 354, 136728	6.7	13
181	Potential of Mafura seed oil as a feedstock for biodiesel production. *Biofuels*, **2020**, 1-7	2	2
180	Improved electrochemical detection of metals in biological samples using 3D-printed electrode: Chemical/electrochemical treatment exposes carbon-black conductive sites. *Electrochimica Acta*, **2020**, 335, 135688	6.7	56
179	Additive-manufactured (3D-printed) electrochemical sensors: A critical review. *Analytica Chimica Acta*, **2020**, 1118, 73-91	6.6	127
178	Flow-through amperometric methods for detection of the bioactive compound quercetin: performance of glassy carbon and screen-printed carbon electrodes. *Journal of Solid State Electrochemistry*, **2020**, 24, 1759-1768	2.6	3
177	Investigation of midazolam electro-oxidation on boron doped diamond electrode by voltammetric techniques and density functional theory calculations: Application in beverage samples. *Talanta*, **2020**, 207, 120319	6.2	8
176	Improved anodic stripping voltammetric detection of zinc on a disposable screen-printed gold electrode. *Ionics*, **2020**, 26, 2611-2621	2.7	7
175	Electrochemical detection of 2,4,6-trinitrotoluene on carbon nanotube modified electrode: Effect of acid functionalization. *Journal of Solid State Electrochemistry*, **2020**, 24, 121-129	2.6	13
174	3D-Printed graphene/polylactic acid electrode for bioanalysis: Biosensing of glucose and simultaneous determination of uric acid and nitrite in biological fluids. *Sensors and Actuators B: Chemical*, **2020**, 307, 127621	8.5	91

173	3D printing pen using conductive filaments to fabricate affordable electrochemical sensors for trace metal monitoring. *Journal of Electroanalytical Chemistry*, **2020**, 876, 114701	4.1	18
172	In situ electrochemical exfoliation of embedded graphite to superficial graphene sheets for electroanalytical purposes. *Electrochimica Acta*, **2020**, 354, 136762	6.7	4
171	Electrochemical Determination of the Steroid Tibolone and Its Metabolites in Saliva Samples. *ChemElectroChem*, **2020**, 7, 4469-4476	4.3	1
170	Electrochemical synthesis of reduced graphene oxide/ruthenium oxide hexacyanoferrate nanocomposite film and its application for ranitidine detection. *Journal of Electroanalytical Chemistry*, **2020**, 878, 114558	4.1	3
169	Voltammetric determination of traces of 4-chloroaniline in antiseptic samples on a cathodically-treated boron-doped diamond electrode. *Journal of Electroanalytical Chemistry*, **2020**, 877, 114500	4.1	4
168	3D-printing pen versus desktop 3D-printers: Fabrication of carbon black/polylactic acid electrodes for single-drop detection of 2,4,6-trinitrotoluene. *Analytica Chimica Acta*, **2020**, 1132, 10-19	6.6	21
167	Production of 3D-printed disposable electrochemical sensors for glucose detection using a conductive filament modified with nickel microparticles. *Analytica Chimica Acta*, **2020**, 1132, 1-9	6.6	35
166	Simultaneous determination of lead and antimony in gunshot residue using a 3D-printed platform working as sampler and sensor. *Analytica Chimica Acta*, **2020**, 1130, 126-136	6.6	18
165	Critical evaluation of voltammetric techniques for antioxidant capacity and activity: Presence of alumina on glassy-carbon electrodes alters the results. *Electrochimica Acta*, **2020**, 358, 136925	6.7	11
164	Reduced graphene oxide/multi-walled carbon nanotubes/prussian blue nanocomposites for amperometric detection of strong oxidants. *Materials Chemistry and Physics*, **2020**, 250, 123011	4.4	16
163	High-throughput screening of cocaine, adulterants, and diluents in seized samples using capillary electrophoresis with capacitively coupled contactless conductivity detection. *Talanta*, **2020**, 217, 120987	6.2	11
162	One step microwave-hydrothermal synthesis of rGOâTiO2 nanocomposites for enhanced electrochemical oxygen evolution reaction. *New Journal of Chemistry*, **2020**, 44, 6825-6832	3.6	11
161	Effect of alumina supported on glassy-carbon electrode on the electrochemical reduction of 2,4,6-trinitrotoluene: A simple strategy for its selective detection. *Journal of Electroanalytical Chemistry*, **2019**, 851, 113385	4.1	8
160	Complete Additively Manufactured (3D-Printed) Electrochemical Sensing Platform. *Analytical Chemistry*, **2019**, 91, 12844-12851	7.8	85
159	3D-printed Portable Platform for Mechanized Handling and Injection of Microvolumes Coupled to Electrochemical Detection. *Electroanalysis*, **2019**, 31, 771-777	3	14
158	Fast methods for simultaneous determination of arginine, ascorbic acid and aspartic acid by capillary electrophoresis. *Talanta*, **2019**, 204, 353-358	6.2	19
157	Tuning electrochemical and morphological properties of Prussian blue/carbon nanotubes films through scan rate in cyclic voltammetry. *Solid State Ionics*, **2019**, 338, 5-11	3.3	7
156	Graphite sheet as a novel material for the collection and electrochemical sensing of explosive residues. *Talanta*, **2019**, 203, 106-111	6.2	12

155	3D-printed flexible device combining sampling and detection of explosives. *Sensors and Actuators B: Chemical*, **2019**, 292, 308-313	8.5	54
154	Corrosive character of Moringa oleifera Lam biodiesel exposed to carbon steel under simulated storage conditions. *Renewable Energy*, **2019**, 139, 1263-1271	8.1	10
153	Boron Doped Diamond Electrodes in Flow-Based Systems. *Frontiers in Chemistry*, **2019**, 7, 190	5	30
152	Voltammetric determination of copper and tert-butylhydroquinone in biodiesel: A rapid quality control protocol. *Talanta*, **2019**, 201, 433-440	6.2	18
151	Self-Recharging Reduced Graphene Oxide-Prussian Blue Electrodes for Transparent Batteries. *ACS Applied Nano Materials*, **2019**, 2, 2241-2249	5.6	10
150	Indirect determination of formaldehyde by square-wave voltammetry based on the electrochemical oxidation of 3,5-diacetyl-1,4-dihydrolutidine using an unmodified glassy-carbon electrode. *Talanta*, **2019**, 198, 237-241	6.2	8
149	Improved electrochemical performance of pyrolytic graphite paper: Electrochemical versus reactive cold-plasma activation. *Electrochemistry Communications*, **2019**, 105, 106497	5.1	8
148	Evaluation of graphite sheets for production of high-quality disposable sensors. *Journal of Electroanalytical Chemistry*, **2019**, 833, 560-567	4.1	13
147	Simple Strategy for Selective Determination of Levamisole in Seized Cocaine and Pharmaceutical Samples Using Disposable Screen-printed Electrodes. *Electroanalysis*, **2019**, 31, 153-159	3	9
146	Rapid method for simultaneous determination of ascorbic acid and zinc in effervescent tablets by capillary zone electrophoresis with contactless conductivity detection. *Journal of Separation Science*, **2019**, 42, 754-759	3.4	9
145	A simple and fast-portable method for the screening of the appetite-suppressant drug sibutramine in natural products and multivitamins supplements. *Sensors and Actuators B: Chemical*, **2019**, 282, 449-456	8.5	17
144	Investigation on acid functionalization of double-walled carbon nanotubes of different lengths on the development of amperometric sensors. *Electrochimica Acta*, **2019**, 299, 762-771	6.7	13
143	Enhanced treatment of a biodiesel effluent using ferrioxalate in a photo-Fenton process based on the use of solar radiation. *Fuel*, **2018**, 221, 110-115	7.1	6
142	Solenoid Micro-pumps: A New Tool for Sample Introduction in Batch Injection Analysis Systems with Electrochemical Detection. *Electroanalysis*, **2018**, 30, 180-186	3	4
141	Carbon-nanotube Modified Screen-printed Electrode for the Simultaneous Determination of Nitrite and Uric Acid in Biological Fluids Using Batch-injection Amperometric Detection. *Electroanalysis*, **2018**, 30, 1870-1879	3	11
140	Batch-injection Analysis Better than ever: New Materials for Improved Electrochemical Detection and On-site Applications. *Electroanalysis*, **2018**, 30, 1386-1399	3	41
139	Fast Determination of Antioxidant Capacity of Food Samples Using Continuous Amperometric Detection on Polyester Screen-printed Graphitic Electrodes. *Electroanalysis*, **2018**, 30, 1192-1197	3	6
138	Development of a Novel Versatile Method for Determination of two Antihistamines in Association with Naphazoline Using Cathodically Pretreated Boron-doped Diamond Electrode. *Electroanalysis*, **2018**, 30, 868-876	3	13

137	Carbon nanotube/reduced graphene oxide thin-film nanocomposite formed at liquid-liquid interface: Characterization and potential electroanalytical applications. *Sensors and Actuators B: Chemical*, **2018**, 269, 293-303	8.5	20
136	Influence of Al2O3 nanoparticles structure immobilized upon glassy-carbon electrode on the electrocatalytic oxidation of phenolic compounds. *Sensors and Actuators B: Chemical*, **2018**, 262, 646-654	8.5	19
135	Chemically versus electrochemically reduced graphene oxide: Improved amperometric and voltammetric sensors of phenolic compounds on higher roughness surfaces. *Sensors and Actuators B: Chemical*, **2018**, 254, 701-708	8.5	41
134	Highly-sensitive voltammetric detection of trinitrotoluene on reduced graphene oxide/carbon nanotube nanocomposite sensor. *Analytica Chimica Acta*, **2018**, 1035, 14-21	6.6	22
133	Screening of seized cocaine samples using electrophoresis microchips with integrated contactless conductivity detection. *Electrophoresis*, **2018**, 39, 2188-2194	3.6	10
132	Fast determination of cocaine and some common adulterants in seized cocaine samples by capillary electrophoresis with capacitively coupled contactless conductivity detection. *Analytical Methods*, **2018**, 10, 2875-2880	3.2	10
131	In situ electrochemical determination of free Cu(II) ions in biodiesel using screen-printed electrodes: Direct correlation with oxidation stability. *Fuel*, **2018**, 234, 1452-1458	7.1	14
130	3D printing for electroanalysis: From multiuse electrochemical cells to sensors. *Analytica Chimica Acta*, **2018**, 1033, 49-57	6.6	125
129	Portable analytical platforms for forensic chemistry: A review. *Analytica Chimica Acta*, **2018**, 1034, 1-21	6.6	142
128	Stripping Voltammetric Determination of Mercury in Fish Oil Capsules Using a Screen-printed Gold Electrode. *Electroanalysis*, **2018**, 30, 20-23	3	15
127	Electrochemical Portable Method for on site Screening of Scopolamine in Beverage and Urine Samples. *Electroanalysis*, **2018**, 31, 567	3	9
126	Batch-injection Amperometric Analysis on Screen-printed Electrodes: Analytical System for High-throughput Determination of Pharmaceutical Molecules. *Electroanalysis*, **2018**, 31, 518	3	3
125	A Multicommuted Flow System for Spectrophotometric Determination of Formaldehyde in Mushroom. *Journal of the Brazilian Chemical Society*, **2018**,	1.5	2
124	Screen-printed electrodes for quality control of liquid (Bio)fuels. *TrAC - Trends in Analytical Chemistry*, **2018**, 108, 210-220	14.6	11
123	Ultrafast capillary electrophoresis method for the simultaneous determination of ammonium and diphenhydramine in pharmaceutical samples. *Journal of Separation Science*, **2018**, 41, 2969	3.4	7
122	Fast determination of codeine, orphenadrine, promethazine, scopolamine, tramadol, and paracetamol in pharmaceutical formulations by capillary electrophoresis. *Journal of Separation Science*, **2017**, 40, 1815-1823	3.4	29
121	Highly sensitive amperometric detection of drugs and antioxidants on non-functionalized multi-walled carbon nanotubes: Effect of metallic impurities?. *Electrochimica Acta*, **2017**, 240, 80-89	6.7	21
120	Square-wave Voltammetric Determination of Propyphenazone, Paracetamol, and Caffeine: Comparative Study between Batch Injection Analysis and Conventional Electrochemical Systems. *Electroanalysis*, **2017**, 29, 1860-1866	3	15

119	Portable electrochemical system using screen-printed electrodes for monitoring corrosion inhibitors. *Talanta*, **2017**, 174, 420-427	6.2	12
118	Amperometric determination of omeprazole on screen-printed electrodes using batch injection analysis. *Microchemical Journal*, **2017**, 133, 398-403	4.8	19
117	Use of pyrolyzed paper as disposable substrates for voltammetric determination of trace metals. *Talanta*, **2017**, 165, 33-38	6.2	26
116	A portable electrochemical method for cocaine quantification and rapid screening of common adulterants in seized samples. *Sensors and Actuators B: Chemical*, **2017**, 243, 557-565	8.5	69
115	Effect of light source and applied potential in the electrochemical synthesis of Prussian blue on carbon nanotubes. *Electrochimica Acta*, **2017**, 251, 513-521	6.7	11
114	Electrochemically Reduced Graphene Oxide for Forensic Electrochemistry: Detection of Cocaine and its Adulterants Paracetamol, Caffeine and Levamisole. *Electroanalysis*, **2017**, 29, 2418-2422	3	17
113	Single-run capillary electrophoresis method for the fast simultaneous determination of amoxicillin, clavulanate, and potassium. *Journal of Separation Science*, **2017**, 40, 3557-3562	3.4	17
112	Integrating coagulation-flocculation and UV-C or HO/UV-C as alternatives for pre- or complete treatment of biodiesel effluents. *Journal of Environmental Management*, **2017**, 203, 229-236	7.9	8
111	Eucalyptus pulp as an adsorbent for metal removal from biodiesel. *Industrial Crops and Products*, **2017**, 95, 1-5	5.9	13
110	Combination of sonication and heating for metal extraction from inorganic fertilizers prior to microwave-induced plasma spectrometry determinations. *Applied Acoustics*, **2016**, 103, 124-128	3.1	14
109	Batch-injection analysis with amperometric detection of the DPPH radical for evaluation of antioxidant capacity. *Food Chemistry*, **2016**, 192, 691-7	8.5	45
108	A high-throughput BIA-MPA method for the simultaneous determination of amiloride and furosemide. *Analytical Methods*, **2016**, 8, 7959-7965	3.2	11
107	A sub-minute electrophoretic method for simultaneous determination of naphazoline and zinc. *Journal of Chromatography A*, **2016**, 1472, 134-137	4.5	11
106	A Compact Batch Injection Analysis Cell for Screen Printed Electrodes: A Portable Electrochemical System for On-site Analysis. *Electroanalysis*, **2016**, 28, 1856-1859	3	25
105	Organic-resistant screen-printed graphitic electrodes: Application to on-site monitoring of liquid fuels. *Analytica Chimica Acta*, **2016**, 934, 1-8	6.6	22
104	Carbon nanotube/Prussian blue thin films as cathodes for flexible, transparent and ITO-free potassium secondary battery. *Journal of Colloid and Interface Science*, **2016**, 478, 107-16	9.3	54
103	Determination of Amlodipine and Atenolol by Batch Injection Analysis with Amperometric Detection on Boron-doped Diamond Electrode. *Electroanalysis*, **2016**, 28, 1455-1461	3	15
102	Combining C(4) D and MS as a dual detection approach for capillary electrophoresis. *Electrophoresis* , **2016**, 37, 931-5	3.6	14

101	Size effects of multi-walled carbon nanotubes on the electrochemical oxidation of propionic acid derivative drugs: Ibuprofen and naproxen. *Journal of Electroanalytical Chemistry*, **2016**, 775, 342-349	4.1	23
100	Simultaneous determination of three species with a single-injection step using batch injection analysis with multiple pulse amperometric detection. *Talanta*, **2016**, 146, 670-5	6.2	33
99	Amperometric determination of the insecticide fipronil using batch injection analysis: comparison between unmodified and carbon-nanotube-modified electrodes. *Journal of Solid State Electrochemistry*, **2016**, 20, 2453-2459	2.6	18
98	A batch injection analysis system with square-wave voltammetric detection for fast and simultaneous determination of naphazoline and zinc. *Talanta*, **2016**, 152, 308-13	6.2	31
97	A simple and fast batch injection analysis method for simultaneous determination of phenazopyridine, sulfamethoxazole, and trimethoprim on boron-doped diamond electrode. *Journal of Electroanalytical Chemistry*, **2016**, 766, 87-93	4.1	31
96	Carbon-nanotube amperometric sensor for selective determination of 4-chloroaniline in commercial chlorhexidine solutions. *Sensors and Actuators B: Chemical*, **2016**, 231, 38-44	8.5	9
95	Paper-based enzymatic reactors for batch injection analysis of glucose on 3D printed cell coupled with amperometric detection. *Sensors and Actuators B: Chemical*, **2016**, 226, 196-203	8.5	48
94	Morphology of ZnO nanoparticles bound to carbon nanotubes affects electrocatalytic oxidation of phenolic compounds. *Sensors and Actuators B: Chemical*, **2016**, 223, 557-565	8.5	24
93	Electrochemical Oxidation of Astaxanthin on Glassy-carbon Electrode and its Amperometric Determination Using Batch Injection Analysis (BIA). *Electroanalysis*, **2016**, 28, 2143-2148	3	8
92	Voltammetric Lead Determination in Aviation Fuel Samples Using a Screen-Printed Gold Electrode and Batch-Injection Analysis. *Electroanalysis*, **2016**, 28, 633-639	3	17
91	Voltammetric Determination of Pb, Cu and Hg in Biodiesel Using Gold Screen-printed Electrode: Comparison of Batch-injection Analysis with Conventional Electrochemical Systems. *Electroanalysis*, **2016**, 28, 940-946	3	18
90	Batch-injection versus Flow-injection Analysis Using Screen-printed Electrodes: Determination of Ciprofloxacin in Pharmaceutical Formulations. *Electroanalysis*, **2016**, 28, 350-357	3	21
89	Simple and Sensitive Paper-Based Device Coupling Electrochemical Sample Pretreatment and Colorimetric Detection. *Analytical Chemistry*, **2016**, 88, 5145-51	7.8	56
88	Fast determination of diphenhydramine, pyridoxine, and 8-chlorotheophylline by capillary electrophoresis with capacitively coupled contactless conductivity detection. *Analytical Methods*, **2016**, 8, 4432-4437	3.2	13
87	Multi-walled carbon nanotubes: Size-dependent electrochemistry of phenolic compounds. *Electrochimica Acta*, **2015**, 176, 36-43	6.7	39
86	Batch-injection stripping voltammetry of zinc at a gold electrode: application for fuel bioethanol analysis. *Electrochimica Acta*, **2015**, 164, 90-96	6.7	20
85	Simultaneous determination of captopril and hydrochlorothiazide on boron-doped diamond electrode by batch injection analysis with multiple pulse amperometric detection. *Sensors and Actuators B: Chemical*, **2015**, 212, 411-418	8.5	42
84	Tetrahydrocurcuminoids as potential antioxidants for biodiesels. *Fuel*, **2015**, 160, 490-494	7.1	11

83	Ultrasound-assisted digestion of biodiesel samples for determination of metals by stripping voltammetry. *Analytical Methods*, **2015**, 7, 7170-7176	3.2	19
82	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. *Microchemical Journal*, **2015**, 118, 40-44	4.8	25
81	Simultaneous Determination of Caffeine, Ibuprofen, and Paracetamol by Flow-injection Analysis with Multiple-pulse Amperometric Detection on Boron-doped Diamond Electrode. *Electroanalysis*, **2015**, 27, 2785-2791	3	25
80	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. *Journal of Separation Science*, **2015**, 38, 1657-62	3.4	64
79	Eucalyptus pulp as an adsorbent for biodiesel purification. *Cellulose*, **2015**, 22, 1263-1274	5.5	19
78	Moringa oleifera : A potential source for production of biodiesel and antioxidant additives. *Fuel*, **2015**, 146, 75-80	7.1	60
77	On-Site Determination of Carbendazim, Cathecol and Hydroquinone in Tap Water Using a Homemade Batch Injection Analysis Cell for Screen Printed Electrodes. *Electroanalysis*, **2015**, 27, 271-275	3	17
76	Two simple and fast electrochemical methods for simultaneous determination of promethazine and codeine. *Journal of Electroanalytical Chemistry*, **2014**, 713, 32-38	4.1	30
75	Fast Determination of Ciprofloxacin by Batch Injection Analysis with Amperometric Detection and Capillary Electrophoresis with Capacitively Coupled Contactless Conductivity Detection. *Electroanalysis*, **2014**, 26, 432-438	3	45
74	Influence of blending soybean, sunflower, colza, corn, cottonseed, and residual cooking oil methyl biodiesels on the oxidation stability. *Fuel*, **2014**, 118, 16-20	7.1	33
73	Batch-injection stripping voltammetry of metals in fuel bioethanol. *Fuel*, **2014**, 117, 952-956	7.1	21
72	Carbon nanotube/Prussian blue paste electrodes: Characterization and study of key parameters for application as sensors for determination of low concentration of hydrogen peroxide. *Sensors and Actuators B: Chemical*, **2014**, 192, 782-790	8.5	46
71	Development of a Simple and Fast Electrochemical Method for Screening and Stoichiometric Determination of Dimenhydrinate. *Electroanalysis*, **2014**, 26, 1905-1911	3	21
70	Determination of propranolol and hydrochlorothiazide by batch injection analysis with amperometric detection and capillary electrophoresis with capacitively coupled contactless conductivity detection. *Analytical Methods*, **2014**, 6, 3261-3267	3.2	24
69	Fast and direct determination of mancozeb through batch injection analysis with amperometric detection on boron-doped diamond electrodes. *Journal of Electroanalytical Chemistry*, **2014**, 733, 85-90	4.1	18
68	Mechanistic Insights Gained by Monitoring Carbon Nanotube/Prussian Blue Nanocomposite Formation With in Situ Electrochemically Based Techniques. *Journal of Physical Chemistry C*, **2014**, 118, 13157-13167	3.8	14
67	Stripping voltammetric determination of manganese in bioethanol. *Microchemical Journal*, **2014**, 116, 178-182	4.8	11
66	Combination of screen-printed electrodes and batch injection analysis: A simple, robust, high-throughput, and portable electrochemical system. *Sensors and Actuators B: Chemical*, **2014**, 202, 93-98	8.5	60

65	On-site fuel electroanalysis: determination of lead, copper and mercury in fuel bioethanol by anodic stripping voltammetry using screen-printed gold electrodes. *Analytica Chimica Acta*, **2014**, 837, 38-43	6.6	58
64	Ultra-fast determination of caffeine, dipyrone, and acetylsalicylic acid by capillary electrophoresis with capacitively coupled contactless conductivity detection and identification of degradation products. *Journal of Chromatography A*, **2014**, 1327, 149-54	4.5	26
63	Flow-Injection Analysis with Multiple-Pulse Amperometry for Simultaneous Determination of Paracetamol and Naproxen Using a Homemade Flow Cell for Screen-Printed Electrodes. *Journal of the Brazilian Chemical Society*, **2014**,	1.5	4
62	Electrochemical Oxidation of the Fungicide Dimoxystrobin and Its Amperometric Determination by Batch-Injection Analysis. *Analytical Letters*, **2014**, 47, 492-503	2.2	14
61	Exploring Multiwalled Carbon Nanotubes for Naproxen Detection. *Electroanalysis*, **2014**, 26, 1449-1453	3	28
60	Fast and simultaneous determination of nimesulide and paracetamol by batch injection analysis with amperometric detection on bare boron-doped diamond electrode. *Diamond and Related Materials*, **2013**, 39, 41-46	3.5	53
59	Two new electrochemical methods for fast and simultaneous determination of codeine and diclofenac. *Talanta*, **2013**, 116, 1026-32	6.2	54
58	Storage stability and corrosive character of stabilised biodiesel exposed to carbon and galvanised steels. *Fuel*, **2013**, 107, 609-614	7.1	56
57	Simultaneous determination of diclofenac and its common counter-ions in less than 1 minute using capillary electrophoresis with contactless conductivity detection. *Electrophoresis*, **2013**, 34, 1423-8	3.6	31
56	Simultaneous determination of ethanol and methanol in fuel ethanol using cyclic voltammetry. *Fuel* , **2013**, 103, 725-729	7.1	40
55	Electrochemical Oxidation of Ibuprofen and Its Voltammetric Determination at a Boron-Doped Diamond Electrode. *Electroanalysis*, **2013**, 25, 1585-1588	3	32
54	Graphite-Composite Electrodes Bulk-Modified with (BiO)2CO3 and Bi2O3 Plates-Like Nanostructures for Trace Metal Determination by Anodic Stripping Voltammetry. *Electroanalysis*, **2013**, 25, 765-770	3	22
53	Determinação rápida de hidroquinona usando análise por injeção em batelada (BIA) com detecção amperométrica. *Quimica Nova*, **2013**, 36, 663-668	1.6	8
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51	Transparent films from carbon nanotubes/Prussian blue nanocomposites: preparation, characterization, and application as electrochemical sensors. *Journal of Materials Chemistry*, **2012**, 22, 1824-1833		59
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