# Rodrigo A A Munoz

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 236 papers | 5,229 citations | 39 h-index | 55 g-index |
| 262 ext. papers | 6,361 ext. citations | 4.6 avg, IF | 6.19 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 236 | 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 |
| 235 | Selective Electrochemical Detection of Catechin Compounds in Herbal Medicines. *Journal of the Electrochemical Society*, **2022**, 169, 017516 | 3.9 | 2 |
| 234 | Amperometric Detection for Bioanalysis **2022**, 253-264 | | |
| 233 | Electrochemical determination of several biofuel antioxidants in biodiesel and biokerosene using polylactic acid loaded with carbon black within 3D-printed devices.. *Mikrochimica Acta*, **2022**, 189, 57 | 5.8 | 0 |
| 232 | 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 |
| 231 | Affordable equipment to fabricate laser-induced graphene electrodes for portable electrochemical sensing.. *Mikrochimica Acta*, **2022**, 189, 185 | 5.8 | 0 |
| 230 | Prussian blue-modified laser-induced graphene platforms for detection of hydrogen peroxide.. *Mikrochimica Acta*, **2022**, 189, 188 | 5.8 | 1 |
| 229 | 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 |
| 228 | Simple and fast batch injection analysis method for monitoring diuron herbicide residues in juice and tap water samples using reduced graphene oxide sensor. *Journal of Food Composition and Analysis*, **2021**, 106, 104284 | 4.1 | 0 |
| 227 | 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 |
| 226 | Adsorptive stripping voltammetric determination of chloramphenicol residues in milk samples using reduced graphene oxide sensor. *Analytical Methods*, **2021**, 13, 5711-5718 | 3.2 | 3 |
| 225 | Electrochemical Sensors Enabled by 3D Printing: A Tutorial for Beginners **2021**, | | |
| 224 | Additively manufactured carbon/black-integrated polylactic acid 3Dprintedsensor for simultaneous quantification of uric acid and zinc in sweat. *Mikrochimica Acta*, **2021**, 188, 388 | 5.8 | 4 |
| 223 | Batch injection analysis with amperometric detection for fluoroquinolone determination in urine, pharmaceutical formulations, and milk samples using a reduced graphene oxide-modified glassy carbon electrode. *Analytical and Bioanalytical Chemistry*, **2021**, 1 | 4.4 | 3 |
| 222 | Development of conductive inks for electrochemical sensors and biosensors. *Microchemical Journal*, **2021**, 164, 105998 | 4.8 | 23 |
| 221 | Biosensing strategies for the electrochemical detection of viruses and viral diseases - A review. *Analytica Chimica Acta*, **2021**, 1159, 338384 | 6.6 | 13 |
| 220 | A 3D Printer Guide for the Development and Application of Electrochemical Cells and Devices. *Frontiers in Chemistry*, **2021**, 9, 684256 | 5 | 10 |

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| 219 | 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 |
| 218 | 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 |
| 217 | 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 |
| 216 | Multifunctional spinel MnCo2O4 based materials for energy storage and conversion: a review on emerging trends, recent developments and future perspectives. *Journal of Materials Chemistry A*, **2021**, 9, 3095-3124 | 13 | 31 |
| 215 | 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 |
| 214 | 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 |
| 213 | 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 |
| 212 | Use of reduced graphene oxide for sensitive determination of sulfanilamide in synthetic biological fluids and environmental samples by batch injection analysis. *Journal of Electroanalytical Chemistry*, **2021**, 892, 115298 | 4.1 | 7 |
| 211 | 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 |
| 210 | An indirect electrochemical method for aqueous sulfide determination in freshwaters using a palladium chelate as a selective sensor. *Talanta*, **2021**, 231, 122413 | 6.2 | 1 |
| 209 | Simple and rapid electrochemical detection of 1-benzylpiperazine on carbon screen-printed electrode. *Microchemical Journal*, **2021**, 167, 106282 | 4.8 | 4 |
| 208 | Electrochemical methods for the determination of antibiotic residues in milk: A critical review. *Analytica Chimica Acta*, **2021**, 1173, 338569 | 6.6 | 16 |
| 207 | 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 |
| 206 | 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 |
| 205 | Reagentless and sub-minute laser-scribing treatment to produce enhanced disposable electrochemical sensors via additive manufacture. *Chemical Engineering Journal*, **2021**, 425, 130594 | 14.7 | 11 |
| 204 | Batch injection analysis with electrochemical detection for the simultaneous determination of the diuretics furosemide and hydrochlorothiazide in synthetic urine and pharmaceutical samples. *Microchemical Journal*, **2020**, 157, 105027 | 4.8 | 11 |
| 203 | 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 |
| 202 | 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 |

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| 201 | An Overview of Recent Electroanalytical Applications Utilizing Screen-Printed Electrodes Within Flow Systems. *ChemElectroChem*, **2020**, 7, 2211-2221 | 4.3 | 22 |
| 200 | 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 |
| 199 | Pyrolyzed cotton balls for protein removal: Analysis of pharmaceuticals in serum by capillary electrophoresis. *Analytica Chimica Acta*, **2020**, 1110, 90-97 | 6.6 | 4 |
| 198 | Trace manganese detection via differential pulse cathodic stripping voltammetry using disposable electrodes: additively manufactured nanographite electrochemical sensing platforms. *Analyst, The*, **2020**, 145, 3424-3430 | 5 | 20 |
| 197 | Coupling electrochemistry with a fluorescence reporting reaction enabled by bipolar electrochemistry. *Journal of Electroanalytical Chemistry*, **2020**, 872, 113921 | 4.1 | 6 |
| 196 | Potential of Mafura seed oil as a feedstock for biodiesel production. *Biofuels*, **2020**, 1-7 | 2 | 2 |
| 195 | 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 |
| 194 | Determination of levofloxacin in pharmaceutical formulations and urine at reduced graphene oxide and carbon nanotube-modified electrodes. *Journal of Solid State Electrochemistry*, **2020**, 24, 1165-1173 | 2.6 | 7 |
| 193 | Additive-manufactured (3D-printed) electrochemical sensors: A critical review. *Analytica Chimica Acta*, **2020**, 1118, 73-91 | 6.6 | 127 |
| 192 | Direct analysis of ascorbic acid in food beverage samples by flow injection analysis using reduced graphene oxide sensor. *Food Chemistry*, **2020**, 319, 126509 | 8.5 | 20 |
| 191 | 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 |
| 190 | Improved anodic stripping voltammetric detection of zinc on a disposable screen-printed gold electrode. *Ionics*, **2020**, 26, 2611-2621 | 2.7 | 7 |
| 189 | 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 |
| 188 | 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 |
| 187 | 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 |
| 186 | 3D-printed reduced graphene oxide/polylactic acid electrodes: A new prototyped platform for sensing and biosensing applications. *Biosensors and Bioelectronics*, **2020**, 170, 112684 | 11.8 | 45 |
| 185 | Antioxidant compounds from Banisteriopsis argyrophylla leaves as α-amylase, β-glucosidase, lipase, and glycation inhibitors. *Bioorganic Chemistry*, **2020**, 105, 104335 | 5.1 | 2 |
| 184 | Electrochemical Study of Different Sensors for Simple and Fast Quantification of Ciprofloxacin in Pharmaceutical Formulations and Bovine Milk. *Electroanalysis*, **2020**, 32, 2266-2272 | 3 | 4 |

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| 183 | In situ electrochemical exfoliation of embedded graphite to superficial graphene sheets for electroanalytical purposes. *Electrochimica Acta*, **2020**, 354, 136762 | 6.7 | 4 |
| 182 | Electrochemical Determination of the Steroid Tibolone and Its Metabolites in Saliva Samples. *ChemElectroChem*, **2020**, 7, 4469-4476 | 4.3 | 1 |
| 181 | Development of an Electrochemical Immunosensor for Specific Detection of Visceral Leishmaniasis Using Gold-Modified Screen-Printed Carbon Electrodes. *Biosensors*, **2020**, 10, | 5.9 | 11 |
| 180 | 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 |
| 179 | 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 |
| 178 | A lab-made screen-printed electrode as a platform to study the effect of the size and functionalization of carbon nanotubes on the voltammetric determination of caffeic acid. *Microchemical Journal*, **2020**, 158, 105297 | 4.8 | 22 |
| 177 | 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 |
| 176 | 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 |
| 175 | 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 |
| 174 | A Multi-Pump Magnetohydrodynamics Lab-On-A-Chip Device for Automated Flow Control and Analyte Delivery. *Sensors*, **2020**, 20, | 3.8 | 2 |
| 173 | Cloud-point extraction associated with voltammetry: preconcentration and elimination of the sample matrix for trace determination of methyl parathion in honey. *Analytical Methods*, **2020**, 12, 5801-5814 | 3.2 | 1 |
| 172 | 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 |
| 171 | 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 |
| 170 | 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 |
| 169 | 3D Printed Graphene Electrodes Modified with Prussian Blue: Emerging Electrochemical Sensing Platform for Peroxide Detection. *ACS Applied Materials & Interfaces*, **2019**, 11, 35068-35078 | 9.5 | 58 |
| 168 | Complete Additively Manufactured (3D-Printed) Electrochemical Sensing Platform. *Analytical Chemistry*, **2019**, 91, 12844-12851 | 7.8 | 85 |
| 167 | 3D-printed Portable Platform for Mechanized Handling and Injection of Microvolumes Coupled to Electrochemical Detection. *Electroanalysis*, **2019**, 31, 771-777 | 3 | 14 |
| 166 | Fast methods for simultaneous determination of arginine, ascorbic acid and aspartic acid by capillary electrophoresis. *Talanta*, **2019**, 204, 353-358 | 6.2 | 19 |

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| 165 | 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 |
| 164 | Graphite sheet as a novel material for the collection and electrochemical sensing of explosive residues. *Talanta*, **2019**, 203, 106-111 | 6.2 | 12 |
| 163 | 3D-printed flexible device combining sampling and detection of explosives. *Sensors and Actuators B: Chemical*, **2019**, 292, 308-313 | 8.5 | 54 |
| 162 | Nanomaterial-Based Electrochemical Sensors for Environmental and Energy Applications **2019**, 197-228 | | |
| 161 | Corrosive character of Moringa oleifera Lam biodiesel exposed to carbon steel under simulated storage conditions. *Renewable Energy*, **2019**, 139, 1263-1271 | 8.1 | 10 |
| 160 | Boron Doped Diamond Electrodes in Flow-Based Systems. *Frontiers in Chemistry*, **2019**, 7, 190 | 5 | 30 |
| 159 | Highly sensitive procedure for determination of Cu(II) by GF AAS using single-drop microextraction. *Microchemical Journal*, **2019**, 147, 894-898 | 4.8 | 17 |
| 158 | Voltammetric determination of copper and tert-butylhydroquinone in biodiesel: A rapid quality control protocol. *Talanta*, **2019**, 201, 433-440 | 6.2 | 18 |
| 157 | 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 |
| 156 | Improved electrochemical performance of pyrolytic graphite paper: Electrochemical versus reactive cold-plasma activation. *Electrochemistry Communications*, **2019**, 105, 106497 | 5.1 | 8 |
| 155 | Iron (III) determination in bioethanol fuel using a smartphone-based device. *Microchemical Journal*, **2019**, 146, 1134-1139 | 4.8 | 22 |
| 154 | High-throughput amperometric determination of tetracycline residues in milk and quality control of pharmaceutical formulations: flow-injection versus batch-injection analysis. *Analytical Methods*, **2019**, 11, 5328-5336 | 3.2 | 17 |
| 153 | Evaluation of graphite sheets for production of high-quality disposable sensors. *Journal of Electroanalytical Chemistry*, **2019**, 833, 560-567 | 4.1 | 13 |
| 152 | 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 |
| 151 | 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 |
| 150 | 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 |
| 149 | Chemically-reduced Graphene Oxide Sensor for Dipyrone Quantification in Pharmaceutical Samples Using Amperometric Detection. *Electroanalysis*, **2019**, 31, 646-651 | 3 | 9 |
| 148 | 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 |

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| 147 | Solenoid Micro-pumps: A New Tool for Sample Introduction in Batch Injection Analysis Systems with Electrochemical Detection. *Electroanalysis*, **2018**, 30, 180-186 | 3 | 4 |
| 146 | Electrochemical sensing of NBOMes and other new psychoactive substances in blotting paper by square-wave voltammetry on a boron-doped diamond electrode. *Analytical Methods*, **2018**, 10, 2411-2418 | 3.2 | 14 |
| 145 | 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 |
| 144 | Batch-injection Analysis Better than ever: New Materials for Improved Electrochemical Detection and On-site Applications. *Electroanalysis*, **2018**, 30, 1386-1399 | 3 | 41 |
| 143 | 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 |
| 142 | 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 |
| 141 | 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 |
| 140 | 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 |
| 139 | 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 |
| 138 | Highly-sensitive voltammetric detection of trinitrotoluene on reduced graphene oxide/carbon nanotube nanocomposite sensor. *Analytica Chimica Acta*, **2018**, 1035, 14-21 | 6.6 | 22 |
| 137 | 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 |
| 136 | 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 |
| 135 | 3D printing for electroanalysis: From multiuse electrochemical cells to sensors. *Analytica Chimica Acta*, **2018**, 1033, 49-57 | 6.6 | 125 |
| 134 | Portable analytical platforms for forensic chemistry: A review. *Analytica Chimica Acta*, **2018**, 1034, 1-21 | 6.6 | 142 |
| 133 | Altered electrochemistry of oxcarbazepine on cathodically treated boron-doped diamond electrode: Selective detection by pulsed amperometric detection coupled to flow-injection analysis. *Electrochimica Acta*, **2018**, 260, 564-570 | 6.7 | 15 |
| 132 | Stripping Voltammetric Determination of Mercury in Fish Oil Capsules Using a Screen-printed Gold Electrode. *Electroanalysis*, **2018**, 30, 20-23 | 3 | 15 |
| 131 | Electrochemical Portable Method for on site Screening of Scopolamine in Beverage and Urine Samples. *Electroanalysis*, **2018**, 31, 567 | 3 | 9 |
| 130 | Batch-injection Amperometric Analysis on Screen-printed Electrodes: Analytical System for High-throughput Determination of Pharmaceutical Molecules. *Electroanalysis*, **2018**, 31, 518 | 3 | 3 |

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| 129 | A Multicommuted Flow System for Spectrophotometric Determination of Formaldehyde in Mushroom. *Journal of the Brazilian Chemical Society*, **2018**, | 1.5 | 2 |
| 128 | Screen-printed electrodes for quality control of liquid (Bio)fuels. *TrAC - Trends in Analytical Chemistry*, **2018**, 108, 210-220 | 14.6 | 11 |
| 127 | Forensics in hand: new trends in forensic devices (2013â2017). *Analytical Methods*, **2018**, 10, 5135-5163 | 3.2 | 46 |
| 126 | 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 |
| 125 | Detection of Analgesics and Sedation Drugs in Whiskey Using Electrochemical Paper-based Analytical Devices. *Electroanalysis*, **2018**, 30, 2250-2257 | 3 | 33 |
| 124 | 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 |
| 123 | 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 |
| 122 | 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 |
| 121 | Portable electrochemical system using screen-printed electrodes for monitoring corrosion inhibitors. *Talanta*, **2017**, 174, 420-427 | 6.2 | 12 |
| 120 | Amperometric determination of omeprazole on screen-printed electrodes using batch injection analysis. *Microchemical Journal*, **2017**, 133, 398-403 | 4.8 | 19 |
| 119 | Use of pyrolyzed paper as disposable substrates for voltammetric determination of trace metals. *Talanta*, **2017**, 165, 33-38 | 6.2 | 26 |
| 118 | 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 |
| 117 | Electrochemically Reduced Graphene Oxide for Forensic Electrochemistry: Detection of Cocaine and its Adulterants Paracetamol, Caffeine and Levamisole. *Electroanalysis*, **2017**, 29, 2418-2422 | 3 | 17 |
| 116 | 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 |
| 115 | Voltammetric signatures of 2,5-dimethoxy-N-(2-methoxybenzyl) phenethylamines on boron-doped diamond electrodes: Detection in blotting paper samples. *Electrochemistry Communications*, **2017**, 82, 121-124 | 5.1 | 17 |
| 114 | Eucalyptus pulp as an adsorbent for metal removal from biodiesel. *Industrial Crops and Products*, **2017**, 95, 1-5 | 5.9 | 13 |
| 113 | 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 |
| 112 | Batch-injection analysis with amperometric detection of the DPPH radical for evaluation of antioxidant capacity. *Food Chemistry*, **2016**, 192, 691-7 | 8.5 | 45 |

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| 111 | A high-throughput BIA-MPA method for the simultaneous determination of amiloride and furosemide. *Analytical Methods*, **2016**, 8, 7959-7965 | 3.2 | 11 |
| 110 | A sub-minute electrophoretic method for simultaneous determination of naphazoline and zinc. *Journal of Chromatography A*, **2016**, 1472, 134-137 | 4.5 | 11 |
| 109 | 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 |
| 108 | Organic-resistant screen-printed graphitic electrodes: Application to on-site monitoring of liquid fuels. *Analytica Chimica Acta*, **2016**, 934, 1-8 | 6.6 | 22 |
| 107 | Determination of Amlodipine and Atenolol by Batch Injection Analysis with Amperometric Detection on Boron-doped Diamond Electrode. *Electroanalysis*, **2016**, 28, 1455-1461 | 3 | 15 |
| 106 | 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 |
| 105 | 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 |
| 104 | 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 |
| 103 | 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 |
| 102 | Controlled release of drugs from cellulose acetate matrices produced from sugarcane bagasse: monitoring by square-wave voltammetry. *Drug Development and Industrial Pharmacy*, **2016**, 42, 1066-72 | 3.6 | 4 |
| 101 | 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 |
| 100 | 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 |
| 99 | 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 |
| 98 | 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 |
| 97 | Electrochemical Oxidation of Astaxanthin on Glassy-carbon Electrode and its Amperometric Determination Using Batch Injection Analysis (BIA). *Electroanalysis*, **2016**, 28, 2143-2148 | 3 | 8 |
| 96 | Voltammetric Lead Determination in Aviation Fuel Samples Using a Screen-Printed Gold Electrode and Batch-Injection Analysis. *Electroanalysis*, **2016**, 28, 633-639 | 3 | 17 |
| 95 | 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 |
| 94 | Batch-injection versus Flow-injection Analysis Using Screen-printed Electrodes: Determination of Ciprofloxacin in Pharmaceutical Formulations. *Electroanalysis*, **2016**, 28, 350-357 | 3 | 21 |

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| 93 | Simple and Sensitive Paper-Based Device Coupling Electrochemical Sample Pretreatment and Colorimetric Detection. *Analytical Chemistry*, **2016**, 88, 5145-51 | 7.8 | 56 |
| 92 | 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 |
| 91 | Multi-walled carbon nanotubes: Size-dependent electrochemistry of phenolic compounds. *Electrochimica Acta*, **2015**, 176, 36-43 | 6.7 | 39 |
| 90 | Rapid synthesis of Co, Ni co-doped ZnO nanoparticles: Optical and electrochemical properties. *Journal of Solid State Chemistry*, **2015**, 230, 343-349 | 3.3 | 23 |
| 89 | Electrochemical determination of picoxystrobin on boron-doped diamond electrode: Square-wave voltammetry versus BIA-multiple pulse amperometry. *Microchemical Journal*, **2015**, 123, 1-8 | 4.8 | 19 |
| 88 | Batch-injection stripping voltammetry of zinc at a gold electrode: application for fuel bioethanol analysis. *Electrochimica Acta*, **2015**, 164, 90-96 | 6.7 | 20 |
| 87 | 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 |
| 86 | Tetrahydrocurcuminoids as potential antioxidants for biodiesels. *Fuel*, **2015**, 160, 490-494 | 7.1 | 11 |
| 85 | Ultrasound-assisted digestion of biodiesel samples for determination of metals by stripping voltammetry. *Analytical Methods*, **2015**, 7, 7170-7176 | 3.2 | 19 |
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