

# Marcela A Segundo

## List of Publications by Year in descending order

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146  
papers

4,005  
citations

117571

34  
h-index

143943

57  
g-index

150  
all docs

150  
docs citations

150  
times ranked

5561  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Methodological aspects about in vitro evaluation of antioxidant properties. <i>Analytica Chimica Acta</i> , 2008, 613, 1-19.   | 2.6 | 558       |
| 2  | Photocatalytic ozonation of urban wastewater and surface water using immobilized TiO <sub>2</sub> with LEDs: Micropollutants, antibiotic resistance genes and estrogenic activity. <i>Water Research</i> , 2016, 94, 10-22.                    | 5.3 | 185       |
| 3  | Rapid microplate high-throughput methodology for assessment of Folin-Ciocalteu reducing capacity. <i>Talanta</i> , 2010, 83, 441-447.  | 2.9 | 138       |
| 4  | Analysis of 17- $\beta$ -estradiol and 17- $\alpha$ -ethinylestradiol in biological and environmental matrices – A review. <i>Microchemical Journal</i> , 2016, 126, 243-262.  | 2.3 | 112       |
| 5  | Valorization of grape pomace: Extraction of bioactive phenolics with antioxidant properties. <i>Industrial Crops and Products</i> , 2015, 74, 397-406.   | 2.5 | 97        |
| 6  | A new topical formulation for psoriasis: Development of methotrexate-loaded nanostructured lipid carriers. <i>International Journal of Pharmaceutics</i> , 2014, 477, 519-526.   | 2.6 | 96        |
| 7  | Nanoparticles-in-film for the combined vaginal delivery of anti-HIV microbicide drugs. <i>Journal of Controlled Release</i> , 2016, 243, 43-53.  | 4.8 | 86        |
| 8  | Automatic method for determination of total antioxidant capacity using 2,2-diphenyl-1-picrylhydrazyl assay. <i>Analytica Chimica Acta</i> , 2006, 558, 310-318.  | 2.6 | 74        |
| 9  | Spectrophotometric determination of iron and boron in soil extracts using a multi-syringe flow injection system. <i>Talanta</i> , 2005, 66, 703-711.   | 2.9 | 72        |
| 10 | Flow injection based methods for fast screening of antioxidant capacity. <i>Talanta</i> , 2009, 77, 1559-1566.   | 2.9 | 72        |
| 11 | Nanoscale Delivery of Resveratrol towards Enhancement of Supplements and Nutraceuticals. <i>Nutrients</i> , 2016, 8, 131.  | 1.7 | 72        |
| 12 | Multisyringe Flow Injection Analysis: State-of-the-Art and Perspectives. <i>Analytical Sciences</i> , 2006, 22, 3-8.   | 0.8 | 69        |
| 13 | High-throughput microplate assay for the determination of drug partition coefficients. <i>Nature Protocols</i> , 2010, 5, 1823-1830.   | 5.5 | 66        |
| 14 | Automatic Method for the Determination of Folin-Ciocalteu Reducing Capacity in Food Products. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 5241-5246.   | 2.4 | 61        |
| 15 | Lipid nanoparticles for topical and transdermal application for alopecia treatment: development, physicochemical characterization, and in vitro release and penetration studies. <i>International Journal of Nanomedicine</i> , 2014, 9, 1231. | 3.3 | 61        |
| 16 | Rapid assessment of endpoint antioxidant capacity of red wines through microchemical methods using a kinetic matching approach. <i>Talanta</i> , 2012, 97, 473-483.  | 2.9 | 59        |
| 17 | Multisyringe flow system: determination of sulfur dioxide in wines. <i>Analyst</i> , 2000, 125, 1501-1505.   | 1.7 | 57        |
| 18 | A gas diffusion sequential injection system for the determination of sulphur dioxide in wines. <i>Analytica Chimica Acta</i> , 2001, 427, 279-286.   | 2.6 | 52        |

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|----|---|-----|-----------|
| 19 | On-line renewable solid-phase extraction hyphenated to liquid chromatography for the determination of UV filters using bead injection and multisyringe-lab-on-valve approach. <i>Journal of Chromatography A</i> , 2010, 1217, 3575-3582.   | 1.8 | 51        |
| 20 | Rapid assessment of bioactive phenolics and methylxanthines in spent coffee grounds by FT-NIR spectroscopy. <i>Talanta</i> , 2016, 147, 460-467.  | 2.9 | 51        |
| 21 | Enzyme based assays in a sequential injection format: A review. <i>Analytica Chimica Acta</i> , 2011, 689, 160-177.   | 2.6 | 49        |
| 22 | Topical co-delivery of methotrexate and etanercept using lipid nanoparticles: A targeted approach for psoriasis management. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 23-29.   | 2.5 | 49        |
| 23 | Miniaturized analytical methods for determination of environmental contaminants of emerging concern " A review. <i>Analytica Chimica Acta</i> , 2021, 1158, 238108.   | 2.6 | 49        |
| 24 | Flow-through Dispersed Carbon Nanofiber-Based Microsolid-Phase Extraction Coupled to Liquid Chromatography for Automatic Determination of Trace Levels of Priority Environmental Pollutants. <i>Analytical Chemistry</i> , 2011, 83, 5237-5244.                                   | 3.2 | 47        |
| 25 | Online Hyphenation of Multimodal Microsolid Phase Extraction Involving Renewable Molecularly Imprinted and Reversed-Phase Sorbents to Liquid Chromatography for Automatic Multiresidue Assays. <i>Analytical Chemistry</i> , 2010, 82, 3052-3060.                                 | 3.2 | 45        |
| 26 | Co-association of methotrexate and SPIONs into anti-CD64 antibody-conjugated PLGA nanoparticles for theranostic application. <i>International Journal of Nanomedicine</i> , 2014, 9, 4911.  | 3.3 | 44        |
| 27 | Sequential injection flow system with improved sample throughput: determination of glycerol and ethanol in wines. <i>Analytica Chimica Acta</i> , 2002, 458, 131-138.   | 2.6 | 43        |
| 28 | Analytical potential of mesofluidic lab-on-a-valve as a front end to column-separation systems. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 153-164.   | 5.8 | 42        |
| 29 | Flow-through solid-phase reflectometric method for simultaneous multiresidue determination of nitrophenol derivatives. <i>Analytica Chimica Acta</i> , 2007, 600, 155-163.  | 2.6 | 40        |
| 30 | Exploiting automatic on-line renewable molecularly imprinted solid-phase extraction in lab-on-valve format as front end to liquid chromatography: application to the determination of riboflavin in foodstuffs. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 77-86. | 1.9 | 39        |
| 31 | Automatic in Vitro Determination of Hypochlorous Acid Scavenging Capacity Exploiting Multisyringe Flow Injection Analysis and Chemiluminescence. <i>Analytical Chemistry</i> , 2007, 79, 3933-3939.   | 3.2 | 37        |
| 32 | A membraneless gas-diffusion unit " multisyringe flow injection spectrophotometric method for ammonium determination in untreated environmental samples. <i>Talanta</i> , 2011, 84, 1244-1252.  | 2.9 | 36        |
| 33 | Insights on Antioxidant Assays for Biological Samples Based on the Reduction of Copper Complexes" The Importance of Analytical Conditions. <i>International Journal of Molecular Sciences</i> , 2014, 15, 11387-11402.  | 1.8 | 36        |
| 34 | Anti-inflammatory and antioxidant activity of a medicinal tincture from <i>Pedilanthus tithymaloides</i> . <i>Life Sciences</i> , 2006, 78, 1578-1585.  | 2.0 | 35        |
| 35 | Methotrexate loaded lipid nanoparticles for topical management of skin-related diseases: Design, characterization and skin permeation potential. <i>International Journal of Pharmaceutics</i> , 2016, 512, 14-21.  | 2.6 | 35        |
| 36 | High-throughput Total Cupric Ion Reducing Antioxidant Capacity of Biological Samples Determined Using Flow Injection Analysis and Microplate-based Methods. <i>Analytical Sciences</i> , 2011, 27, 483-488.   | 0.8 | 34        |

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|----|--|-----|-----------|
| 37 | Noncovalent PEG Coating of Nanoparticle Drug Carriers Improves the Local Pharmacokinetics of Rectal Anti-HIV Microbicides. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 34942-34953.  | 4.0 | 32        |
| 38 | Multisyringe flow injection system for solid-phase extraction coupled to liquid chromatography using monolithic column for screening of phenolic pollutants. <i>Talanta</i> , 2009, 77, 1466-1472.   | 2.9 | 31        |
| 39 | Development of PLGA nanoparticles loaded with clofazimine for oral delivery: Assessment of formulation variables and intestinal permeability. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 112, 28-37.   | 1.9 | 31        |
| 40 | Fluoroquinolones and sulfonamides: features of their determination in water. A review. <i>International Journal of Environmental Analytical Chemistry</i> , 2016, 96, 185-202.   | 1.8 | 30        |
| 41 | Supplemental selenium source on gut health: insights on fecal microbiome and fermentation products of growing puppies. <i>FEMS Microbiology Ecology</i> , 2020, 96, .  | 1.3 | 29        |
| 42 | Cellular interactions of a lipid-based nanocarrier model with human keratinocytes: Unravelling transport mechanisms. <i>Acta Biomaterialia</i> , 2017, 53, 439-449.  | 4.1 | 28        |
| 43 | Sequential injection system for the spectrophotometric determination of reducing sugars in wines. <i>Talanta</i> , 2000, 52, 59-66.  | 2.9 | 27        |
| 44 | Kinetic matching approach applied to ABTS assay for high-throughput determination of total antioxidant capacity of food products. <i>Journal of Food Composition and Analysis</i> , 2014, 33, 187-194.   | 1.9 | 27        |
| 45 | Multi-Syringe Flow Injection System with In-Line Pre-Concentration for the Determination of Total Phenolic Compounds. <i>Mikrochimica Acta</i> , 2005, 150, 187-196.   | 2.5 | 26        |
| 46 | Spectrophotometric FIA methods for determination of hydrogen peroxide: Application to evaluation of scavenging capacity. <i>Talanta</i> , 2009, 79, 1169-1176.   | 2.9 | 26        |
| 47 | Antioxidant profile of commercial oenological tannins determined by multiple chemical assays. <i>Australian Journal of Grape and Wine Research</i> , 2014, 20, 72-79.  | 1.0 | 26        |
| 48 | Assessing oral bioaccessibility of trace elements in soils under worst-case scenarios by automated in-line dynamic extraction as a front end to inductively coupled plasma atomic emission spectrometry. <i>Analytica Chimica Acta</i> , 2014, 842, 1-10.            | 2.6 | 26        |
| 49 | Automatic flow system for sequential determination of ABTS+ scavenging capacity and Folin-Ciocalteu index: A comparative study in food products. <i>Analytica Chimica Acta</i> , 2007, 592, 193-201.   | 2.6 | 23        |
| 50 | Highly integrated flow assembly for automated dynamic extraction and determination of readily bioaccessible chromium(VI) in soils exploiting carbon nanoparticle-based solid-phase extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2217-2227. | 1.9 | 23        |
| 51 | Automatic Aluminum Chloride Method for Routine Estimation of Total Flavonoids in Red Wines and Teas. <i>Food Analytical Methods</i> , 2012, 5, 530-539.  | 1.3 | 23        |
| 52 | Recent Advances on Mass Spectrometry Analysis of Nitrated Phospholipids. <i>Analytical Chemistry</i> , 2016, 88, 2622-2629.  | 3.2 | 23        |
| 53 | Multi-syringe flow injection system with in-line microwave digestion for the determination of phosphorus. <i>Talanta</i> , 2004, 64, 1283-1289.  | 2.9 | 21        |
| 54 | Oscillating chemiluminescence systems: state of the art. <i>Luminescence</i> , 2010, 25, 409-418.  | 1.5 | 21        |

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|----|---|-----|-----------|
| 55 | Photosensitized oxidation of phosphatidylethanolamines monitored by electrospray tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2013, 48, 1357-1365.   | 0.7 | 21        |
| 56 | Does ultrasound improve the activity of alpha amylase? A comparative study towards a tailor-made enzymatic hydrolysis of starch. <i>LWT - Food Science and Technology</i> , 2017, 84, 674-685.  | 2.5 | 21        |
| 57 | Automatic flow injection based methodologies for determination of scavenging capacity against biologically relevant reactive species of oxygen and nitrogen. <i>Talanta</i> , 2009, 78, 1219-1226.  | 2.9 | 20        |
| 58 | New Insights into the Anti-inflammatory and Antioxidant Properties of Nitrated Phospholipids. <i>Lipids</i> , 2018, 53, 117-131.  | 0.7 | 20        |
| 59 | Sample introduction in multi-syringe flow injection systems: comparison between time-based and volume-based strategies. <i>Analytica Chimica Acta</i> , 2005, 537, 207-214.   | 2.6 | 18        |
| 60 | Spectrophotometric Determination of Bromate in Water Using Multisyringe Flow Injection Analysis. <i>Analytical Letters</i> , 2011, 44, 284-297.   | 1.0 | 18        |
| 61 | Determination of salivary cotinine through solid phase extraction using a bead-injection lab-on-valve approach hyphenated to hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2016, 1429, 284-291.                                     | 1.8 | 18        |
| 62 | Fluorometric method based on molecular recognition solid-phase extraction for determination of riboflavin in milk and infant formula. <i>Journal of Food Composition and Analysis</i> , 2016, 45, 141-146.  | 1.9 | 18        |
| 63 | Automatic flow systems based on sequential injection analysis for routine determinations in wines. <i>Analytica Chimica Acta</i> , 2004, 513, 3-9.  | 2.6 | 17        |
| 64 | Potentiometric multi-syringe flow injection system for determination of exchangeable potassium in soils with in-line extraction. <i>Microchemical Journal</i> , 2006, 83, 75-80.  | 2.3 | 17        |
| 65 | On-line automated evaluation of lipid nanoparticles transdermal permeation using Franz diffusion cell and low-pressure chromatography. <i>Talanta</i> , 2016, 146, 369-374.   | 2.9 | 17        |
| 66 | Isolation and identification of antioxidants from <i>Pedilanthus tithymaloides</i> . <i>Journal of Natural Medicines</i> , 2007, 62, 67-70.   | 1.1 | 16        |
| 67 | Universal approach for mesofluidic handling of bead suspensions in lab-on-valve format. <i>Talanta</i> , 2011, 84, 846-852.   | 2.9 | 16        |
| 68 | Automated solid-phase spectrophotometric system for optosensing of bromate in drinking waters. <i>Analytical Methods</i> , 2012, 4, 1229.   | 1.3 | 16        |
| 69 | Mineral Composition of Dry Dog Foods: Impact on Nutrition and Potential Toxicity. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7822-7830.  | 2.4 | 16        |
| 70 | Ecotoxicological equilibria of triclosan in Microtox, XenoScreen YES/YAS, Caco2, HEPG2 and liposomal systems are affected by the occurrence of other pharmaceutical and personal care emerging contaminants. <i>Science of the Total Environment</i> , 2020, 719, 137358. | 3.9 | 16        |
| 71 | Insights on Ultrafiltration-Based Separation for the Purification and Quantification of Methotrexate in Nanocarriers. <i>Molecules</i> , 2020, 25, 1879.  | 1.7 | 16        |
| 72 | Programmable flow system for automation of oxygen radical absorbance capacity assay using pyrogallol red for estimation of antioxidant reactivity. <i>Talanta</i> , 2016, 150, 599-606.   | 2.9 | 15        |

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|----|--|-----|-----------|
| 73 | Development and validation of a liquid chromatography-MS/MS method for simultaneous quantification of tenofovir and efavirenz in biological tissues and fluids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 136, 120-125.     | 1.4 | 15        |
| 74 | pH-sensitive nanoparticles for improved oral delivery of dapsone: risk assessment, design, optimization and characterization. <i>Nanomedicine</i> , 2017, 12, 1975-1990.   | 1.7 | 15        |
| 75 | Emergent Glycerophospholipid Fluorescent Probes: Synthesis and Applications. <i>Bioconjugate Chemistry</i> , 2020, 31, 417-435.  | 1.8 | 14        |
| 76 | Multi-syringe flow-injection systems improve antioxidant assessment. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 952-960.   | 5.8 | 13        |
| 77 | Interfacing multisyringe flow injection analysis to flame atomic emission spectrometry: an intelligent system for automatic sample dilution and determination of potassium. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 340-346.  | 1.6 | 13        |
| 78 | Vascular Calcification and the Gut and Blood Microbiome in Chronic Kidney Disease Patients on Peritoneal Dialysis: A Pilot Study. <i>Biomolecules</i> , 2022, 12, 867.   | 1.8 | 13        |
| 79 | Kinetic Enzymatic Determination of Glycerol in Wine and Beer Using a Sequential Injection System with Spectrophotometric Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 4136-4140.                                       | 2.4 | 12        |
| 80 | Insights about $\alpha$ -tocopherol and Trolox interaction with phosphatidylcholine monolayers under peroxidation conditions through Brewster angle microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 626-635.                | 2.5 | 12        |
| 81 | Characterization of phospholipid nitroxidation by LC-MS in biomimetic models and in H9c2 Myoblast using a lipidomic approach. <i>Free Radical Biology and Medicine</i> , 2017, 106, 219-227.   | 1.3 | 12        |
| 82 | Determination of salivary cotinine as tobacco smoking biomarker. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 89-97.  | 5.8 | 12        |
| 83 | Fully-programmable synthesis of sucrose-mediated gold nanoparticles for detection of ciprofloxacin. <i>Materials Chemistry and Physics</i> , 2019, 238, 121917.  | 2.0 | 12        |
| 84 | Characterization of phospholipid vesicles containing lauric acid: physicochemical basis for process and product development. <i>Heliyon</i> , 2019, 5, e02648.   | 1.4 | 12        |
| 85 | Multi-syringe flow injection system for the determination of available phosphorus in soil samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2005, 85, 51-62.   | 1.8 | 11        |
| 86 | Analytical methods for quantification of tranexamic acid in biological fluids: A review. <i>Microchemical Journal</i> , 2017, 134, 333-342.  | 2.3 | 11        |
| 87 | Automated lab-on-valve sequential injection ELISA for determination of carbamazepine. <i>Analytica Chimica Acta</i> , 2019, 1076, 91-99.   | 2.6 | 11        |
| 88 | Kinetic determination of l(âˆ™)malic acid in wines using sequential injection analysis. <i>Analytica Chimica Acta</i> , 2003, 499, 99-106.   | 2.6 | 10        |
| 89 | Lab-on-valve combined with a kinetic-matching approach for fast evaluation of total antioxidant capacity in wines. <i>Analytical Methods</i> , 2014, 6, 3622.  | 1.3 | 10        |
| 90 | Development and Validation of a HPLC Method Using a Monolithic Column for Quantification of trans-Resveratrol in Lipid Nanoparticles for Intestinal Permeability Studies. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 3114-3120. | 2.4 | 10        |

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|-----|--|-----|-----------|
| 91  | Antibody conjugation to carboxyl-modified microspheres through N-hydroxysuccinimide chemistry for automated immunoassay applications: A general procedure. <i>PLoS ONE</i> , 2019, 14, e0218686.   | 1.1 | 10        |
| 92  | A Pilot Study Combining Ultrafiltration with Ozonation for the Treatment of Secondary Urban Wastewater: Organic Micropollutants, Microbial Load and Biological Effects. <i>Water (Switzerland)</i> , 2020, 12, 3458.   | 1.2 | 10        |
| 93  | Use of Liposomes to Evaluate the Role of Membrane Interactions on Antioxidant Activity. <i>Methods in Molecular Biology</i> , 2010, 606, 167-188.  | 0.4 | 10        |
| 94  | Multi-syringe flow injection system for the determination of the scavenging capacity of the diphenylpicrylhydrazyl radical in methanol and ethanolic media. <i>Mikrochimica Acta</i> , 2007, 157, 113-118.   | 2.5 | 9         |
| 95  | Automated Microdialysis-Based System for in Situ Microsampling and Investigation of Lead Bioavailability in Terrestrial Environments under Physiologically Based Extraction Conditions. <i>Environmental Science &amp; Technology</i> , 2013, 47, 11668-11675. | 4.6 | 9         |
| 96  | Screening of sulfonamides in waters based on miniaturized solid phase extraction and microplate spectrophotometric detection. <i>Analytical Methods</i> , 2018, 10, 690-696.   | 1.3 | 9         |
| 97  | Nanosystems as modulators of intestinal dapsona and clofazimine delivery. <i>Biomedicine and Pharmacotherapy</i> , 2018, 103, 1392-1396.   | 2.5 | 9         |
| 98  | Fully automatic flow method for the determination of scavenging capacity against nitric oxide radicals. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 3005-3014.  | 1.9 | 8         |
| 99  | Nickel ferrite nanoparticles for removal of polar pharmaceuticals from water samples with multi-purpose features. <i>Adsorption</i> , 2018, 24, 431-441.   | 1.4 | 8         |
| 100 | Flow-Based Dynamic Approach to Assess Bioaccessible Zinc in Dry Dog Food Samples. <i>Molecules</i> , 2020, 25, 1333.   | 1.7 | 8         |
| 101 | Microplate ORAC-pyranine spectrophotometric assay for high-throughput assessment of antioxidant capacity. <i>Microchemical Journal</i> , 2020, 158, 105156.  | 2.3 | 8         |
| 102 | Effect of <i>Touriga nacional</i> Grape Extract on Characteristics of Mechanically Deboned Chicken Meat Kept Under Frozen Storage. <i>Journal of Food Process Engineering</i> , 2017, 40, e12434.  | 1.5 | 7         |
| 103 | Dynamic flow-through approach to evaluate readily bioaccessible antioxidants in solid food samples. <i>Talanta</i> , 2017, 166, 162-168.   | 2.9 | 7         |
| 104 | Micro-bead injection spectroscopy for label-free automated determination of immunoglobulin G in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 981-988.   | 1.9 | 7         |
| 105 | Effect of Zinc Source and Exogenous Enzymes Supplementation on Zinc Status in Dogs Fed High Phytate Diets. <i>Animals</i> , 2020, 10, 400.   | 1.0 | 7         |
| 106 | Multisyringe flow injection analysis system for automation of standard addition calibration method. <i>Microchemical Journal</i> , 2009, 92, 180-185.  | 2.3 | 6         |
| 107 | Do cinnamylideneacetophenones have antioxidant properties and a protective effect toward the oxidation of phosphatidylcholines?. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 331-337.  | 2.6 | 6         |
| 108 | Automatic solid-phase extraction by programmable flow injection coupled to chromatographic fluorimetric determination of fluoroquinolones. <i>Analytical Methods</i> , 2018, 10, 2180-2186.  | 1.3 | 6         |



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|-----|--|-----|-----------|
| 109 | Screening of fluoroquinolones in environmental waters using disk-based solid-phase extraction combined to microplate fluorimetric determination and LC-MS/MS. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 258-269.                                  | 1.8 | 6         |
| 110 | Determination of tranexamic acid in human plasma by UHPLC coupled with tandem mass spectrometry targeting sub-microgram per milliliter levels. <i>Microchemical Journal</i> , 2019, 144, 144-150.  | 2.3 | 6         |
| 111 | Automatic and renewable micro-solid-phase extraction based on bead injection lab-on-valve system for determination of tranexamic acid in urine by UHPLC coupled with tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 649-659.                     | 1.9 | 6         |
| 112 | Myoglobin microplate assay to evaluate prevention of protein peroxidation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 114, 305-311.  | 1.4 | 5         |
| 113 | Fully automatic flow-based device for monitoring of drug permeation across a cell monolayer. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 971-981.   | 1.9 | 5         |
| 114 | Evaluation of the joint effect of the incorporation of mechanically deboned meat and grape extract on the formulation of chicken nuggets. <i>Food Science and Technology International</i> , 2017, 23, 328-337.  | 1.1 | 5         |
| 115 | Analytical Features of Diclofenac Evaluation in Water as a Potential Marker of Anthropogenic Pollution. <i>Current Pharmaceutical Analysis</i> , 2016, 13, 39-47.  | 0.3 | 5         |
| 116 | Effects of Zinc Source and Enzyme Addition on the Fecal Microbiota of Dogs. <i>Frontiers in Microbiology</i> , 2021, 12, 688392.   | 1.5 | 5         |
| 117 | Direct Introduction of Slurry Samples in Multi-syringe Flow Injection Analysis: Determination of Potassium in Plant Samples. <i>Analytical Sciences</i> , 2008, 24, 601-606.   | 0.8 | 4         |
| 118 | Hydrogen peroxide, antioxidant compounds and biological targets: An in vitro approach for determination of scavenging capacity using fluorimetric multisyringe flow injection analysis. <i>Talanta</i> , 2010, 81, 1840-1846.  | 2.9 | 4         |
| 119 | High-sensitivity programmable flow method for assessment of total antioxidant capacity in biological samples. <i>Microchemical Journal</i> , 2016, 124, 261-266.   | 2.3 | 4         |
| 120 | Assessment of immunoglobulin capture in immobilized protein A through automatic bead injection. <i>Talanta</i> , 2019, 204, 542-547.   | 2.9 | 4         |
| 121 | Fast monolith-based chromatographic method for determination of methotrexate in drug delivery studies. <i>Microchemical Journal</i> , 2019, 148, 185-189.  | 2.3 | 4         |
| 122 | Paper-Based Biosensors for Analysis of Water. , 2019, , .  |     | 4         |
| 123 | Food, Beverages and Agricultural Applications. <i>Comprehensive Analytical Chemistry</i> , 2008, , 513-558.  | 0.7 | 3         |
| 124 | Indirect Sequential Injection Enzymatic Determination of Allopurinol in Pharmaceuticals Based on Xanthine Oxidase Inhibition. <i>Spectroscopy Letters</i> , 2009, 42, 341-350.   | 0.5 | 3         |
| 125 | Development and validation of HPLC method with fluorometric detection for quantification of bisnaphthalimidopropylidiaminooctane in animal tissues following administration in polymeric nanoparticles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 120, 290-296. | 1.4 | 3         |
| 126 | Gas-phase structural characterization of neuropeptides Y1 receptor antagonists using mass spectrometry: Orbitrap vs triple quadrupole. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 151, 227-234.  | 1.4 | 3         |



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|-----|--|-----|-----------|
| 127 | Chromatographic method for the simultaneous quantification of dapsone and clofazimine in nanoformulations. <i>Journal of Separation Science</i> , 2018, 41, 3382-3388.   | 1.3 | 3         |
| 128 | Estimation of Sulfonamides Concentration in Water Based on Digital Colourimetry. <i>Lecture Notes in Computer Science</i> , 2019, , 355-366.   | 1.0 | 3         |
| 129 | Use of a mixing chamber for sample preparation and multiple collection in sequential injection analysis: determination of sulfate in wines. <i>Journal of the Brazilian Chemical Society</i> , 2003, 14, .   | 0.6 | 3         |
| 130 | Development of a Screening Method for Sulfamethoxazole in Environmental Water by Digital Colorimetry Using a Mobile Device. <i>Chemosensors</i> , 2022, 10, 25.  | 1.8 | 3         |
| 131 | Combining Ultrasound-Assisted Extraction and a Microliter Colorimetric Assay for the Streamlined Determination of Urea in Animal Feedstuff. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 130924153917004.                         | 2.4 | 2         |
| 132 | Miniaturized Fluorimetric Method for Quantification of Zinc in Dry Dog Food. <i>Journal of Analytical Methods in Chemistry</i> , 2020, 2020, 1-6.  | 0.7 | 2         |
| 133 | Determination of neuropeptide Y Y1 receptor antagonist BIBP 3226 and evaluation of receptor expression based on liquid chromatography coupled with tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6625-6632. | 1.9 | 2         |
| 134 | Cost-Efficient Color Correction Approach on Uncontrolled Lighting Conditions. <i>Lecture Notes in Computer Science</i> , 2021, , 90-99.  | 1.0 | 2         |
| 135 | Automatic flow system for evaluation of polystyrene-divinylbenzene sorbents applied to preconcentration of phenolic pollutants. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 884-899.                            | 1.8 | 1         |
| 136 | Effects of diet supplementation with sodium selenite and selenium-enriched in puppies's health performance from post-weaning to adulthood. <i>Animal Feed Science and Technology</i> , 2021, 274, 114897.  | 1.1 | 1         |
| 137 | Determination of the Scavenging Capacity Against Reactive Nitrogen Species by Automatic Flow Injection-Based Methodologies. <i>Methods in Molecular Biology</i> , 2011, 704, 91-104.   | 0.4 | 1         |
| 138 | Automatic Flow Injection Analysis (FIA) Determination of Total Reducing Capacity in Serum and Urine Samples. <i>Methods in Molecular Biology</i> , 2015, 1208, 277-284.  | 0.4 | 1         |
| 139 | Acetonitrile Adducts of Tranexamic Acid as Sensitive Ions for Quantification at Residue Levels in Human Plasma by UHPLC-MS/MS. <i>Pharmaceuticals</i> , 2021, 14, 1205.  | 1.7 | 1         |
| 140 | Kinetic matching approach for rapid assessment of endpoint antioxidant capacity. , 0, , 321-331.   |     | 0         |
| 141 | European analytical column number 47. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3695-3698.  | 1.9 | 0         |
| 142 | Salivary Cotinine Assays. , 2019, , 411-418.   |     | 0         |
| 143 | Stig Pedersen-Bjergaard, Bente Gammelgaard, and Trine GrÃ¸nhaug Halvorsen: Introduction to pharmaceutical analytical chemistry, 2nd ed.. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7927-7928.                                     | 1.9 | 0         |
| 144 | European analytical column number 48. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 8225-8227.  | 1.9 | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | European analytical column number 49. Analytical and Bioanalytical Chemistry, 2021, 413, 7319-7321.                                    | 1.9 | 0         |
| 146 | An Edge-Based Computer Vision Approach for Determination of Sulfonamides in Water. Lecture Notes in Computer Science, 2022, , 415-429. | 1.0 | 0         |