

Felipe R Lourenço

List of Publications by Year in descending order

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100
papers

1,284
citations

411340

20
h-index

591227

27
g-index

100
all docs

100
docs citations

100
times ranked

1025
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Measurement Uncertainty and Conformity Assessment Applied to Drug and Medicine Analyses – A Review. <i>Critical Reviews in Analytical Chemistry</i> , 2023, 53, 123-138. | 1.8 | 23 |
| 2 | Hot-melt extrudability of amorphous solid dispersions of flubendazole-copovidone: An exploratory study of the effect of drug loading and the balance of adjuvants on extrudability and dissolution. <i>International Journal of Pharmaceutics</i> , 2022, 614, 121456. | 2.6 | 8 |
| 3 | Succinylated isoniazid potential prodrug: Design of Experiments (DoE) for synthesis optimization and computational study of the reaction mechanism by DFT calculations. <i>Journal of Molecular Structure</i> , 2022, 1254, 132323. | 1.8 | 1 |
| 4 | Prospecting In Vitro Antioxidant and Photoprotective Properties of Rosmarinic Acid in a Sunscreen System Developed by QbD Containing Octyl p-Methoxycinnamate and Bemotrizinol. <i>Cosmetics</i> , 2022, 9, 29. | 1.5 | 7 |
| 5 | Setting Multivariate and Correlated Acceptance Limits for Assessing the Conformity of Items. <i>Analytical Letters</i> , 2022, 55, 2011-2032. | 1.0 | 9 |
| 6 | Measurement uncertainty evaluation of an analytical procedure for determination of terbinafine hydrochloride in creams by HPLC and optimization strategies using Analytical Quality by Design. <i>Microchemical Journal</i> , 2022, 178, 107386. | 2.3 | 16 |
| 7 | Antibiotic-loaded lipid-based nanocarrier: A promising strategy to overcome bacterial infection. <i>International Journal of Pharmaceutics</i> , 2022, 621, 121782. | 2.6 | 14 |
| 8 | Study of the gastroprotective action and healing effects of <i>Kalanchoe pinnata</i> (Lam.) against acidified ethanol- and acetic acid-induced gastric ulcers in rats / Estudo da ação gastroprotectora e dos efeitos curativos de <i>Kalanchoe pinnata</i> (Lam.) contra úlceras gástricas induzidas por etanol acidificado e ácido acético em ratos. <i>Brazilian Journal of Development</i> , 2022, 8, 39105-39131. | 0.0 | 1 |
| 9 | Application of Measurement Uncertainty on Conformity Assessment in Pharmaceutical Drug Products. <i>Journal of AOAC INTERNATIONAL</i> , 2021, 104, 585-591. | 0.7 | 5 |
| 10 | Enhanced In Vitro Antimicrobial Activity of Polymyxin B – Coated Nanostructured Lipid Carrier Containing Dexamethasone Acetate. <i>Journal of Pharmaceutical Innovation</i> , 2021, 16, 125-135. | 1.1 | 13 |
| 11 | Development and optimization of beer containing malted and non-malted substitutes using quality by design (QbD) approach. <i>Journal of Food Engineering</i> , 2021, 289, 110182. | 2.7 | 7 |
| 12 | Analytical Quality by Design as an Important Tool to Determine the Best Analytical Conditions for Isoniazid and Its Respective Succinylated Prodrug. <i>Journal of AOAC INTERNATIONAL</i> , 2021, 104, 239-247. | 0.7 | 2 |
| 13 | Determining uncertainty in a simple UV-Vis spectrometry method employing dimethyl carbonate as green solvent for lead determination in water. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 173, 108581. | 2.5 | 6 |
| 14 | UVC- and UVC/H ₂ O ₂ -Driven nonribosomal peptide antibiotics degradation: application to zinc bacitracin as a complex emerging contaminant. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 97-112. | 0.9 | 3 |
| 15 | Essential oil-based dispersive liquid-liquid microextraction for the determination of N,N-dimethyltryptamine and <i>l</i> ² -carbolines in human plasma: A novel solvent-free alternative. <i>Talanta</i> , 2021, 225, 121976. | 2.9 | 7 |
| 16 | Glutaminase-free L-asparaginase production by <i>Leucosporidium muscorum</i> isolated from Antarctic marine-sediment. <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 277-288. | 1.0 | 16 |
| 17 | Severe Drug Reactions in a Patient with HIV/AIDS in a Brazilian University Hospital: a Letter to the Editor. <i>SN Comprehensive Clinical Medicine</i> , 2021, 3, 219-220. | 0.3 | 1 |
| 18 | Risk of false conformity assessment applied to automotive fuel analysis: A multiparameter approach. <i>Chemosphere</i> , 2021, 263, 128265. | 4.2 | 17 |

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|----|--|-----|-----------|
| 19 | Nanoencapsulation of anthocyanins from blackberry (<i>Rubus</i> spp.) through pectin and lysozyme self-assembling. <i>Food Hydrocolloids</i> , 2021, 114, 106563. | 5.6 | 27 |
| 20 | Design of Arylsulfonylhydrazones as Potential FabH Inhibitors: Synthesis, Antimicrobial Evaluation and Molecular Docking. <i>Medicinal Chemistry</i> , 2021, 17, 474-484. | 0.7 | 2 |
| 21 | Design of multifunctional ethosomes for topical fenretinide delivery and breast cancer chemoprevention. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 623, 126745. | 2.3 | 10 |
| 22 | Determination of intrinsic and metrological components of the correlation of multiparameter products for minimising the risks of false conformity decisions. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 180, 109531. | 2.5 | 11 |
| 23 | Data reconciliation applied to the conformity assessment of fuel products. <i>Fuel</i> , 2021, 300, 120936. | 3.4 | 8 |
| 24 | Risk of false pharmaceutical equivalence (non-equivalence) decisions due to measurement uncertainty. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 204, 114269. | 1.4 | 2 |
| 25 | Risk of false decisions in chromatographic and spectrometric identification of chemical compounds. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 183, 109859. | 2.5 | 1 |
| 26 | Measurement uncertainty evaluation and risk of false conformity assessment for microbial enumeration tests. <i>Journal of Microbiological Methods</i> , 2021, 189, 106312. | 0.7 | 7 |
| 27 | Conformity Decisions Based on Measurement Uncertainty—a Case Study Applied to Agar Diffusion Microbiological Assay. <i>Journal of Pharmaceutical Innovation</i> , 2020, 15, 110-115. | 1.1 | 5 |
| 28 | Fast Hollow Fiber Liquid-Phase Microextraction as a Greener Alternative for the Determination of N,N-Dimethyltryptamine and Harmala Alkaloids in Human Urine. <i>Frontiers in Chemistry</i> , 2020, 8, 558501. | 1.8 | 5 |
| 29 | Determination of Intrinsic and Metrological Correlations of Components of Product Impact on Risks of False Decisions in Conformity Assessment. <i>Proceedings (mdpi)</i> , 2020, 55, . | 0.2 | 2 |
| 30 | Modeling an in silico platform to predict chromatographic profiles of UV filters using ChromSimulator. <i>Microchemical Journal</i> , 2020, 157, 105002. | 2.3 | 6 |
| 31 | Safety and Photoprotective Efficacy of a Sunscreen System Based on Grape Pomace (<i>Vitis vinifera</i> L.) Phenolics from Winemaking. <i>Pharmaceutics</i> , 2020, 12, 1148. | 2.0 | 24 |
| 32 | The application of pharmaceutical quality by design concepts to evaluate the antioxidant and antimicrobial properties of a preservative system including desferrioxamine. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2020, 28, 635-646. | 0.9 | 3 |
| 33 | Experimental design and z-score results are useful tools for optimizing instrumental neutron activation analysis procedures. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 325, 707-718. | 0.7 | 1 |
| 34 | Stability Evaluation of DMT and Harmala Alkaloids in Ayahuasca Tea Samples. <i>Molecules</i> , 2020, 25, 2072. | 1.7 | 16 |
| 35 | Real-Time Monitoring of Beer Parameters Using Infrared Spectroscopy—a Process Analytical Technology Approach. <i>Journal of AOAC INTERNATIONAL</i> , 2020, 103, 1654-1659. | 0.7 | 3 |
| 36 | Is the <i>Botryococcus braunii</i> Dry Biomass an Adjuvant for Anti-UVB Topical Formulations?. <i>Scientia Pharmaceutica</i> , 2020, 88, 22. | 0.7 | 6 |

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|----|---|-----|-----------|
| 37 | Risk of false compliance/non-compliance decisions for sterility test due to false-negative and false-positive test results. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 200, 104005. | 1.8 | 6 |
| 38 | Top-down evaluation of the matrix effects in microbial enumeration test uncertainty. <i>Journal of Microbiological Methods</i> , 2020, 171, 105864. | 0.7 | 6 |
| 39 | Frequentist approach for estimation of false decision risks in conformity assessment based on measurement uncertainty of liquid chromatography analytical procedures. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 184, 113203. | 1.4 | 14 |
| 40 | Development and optimization of a stability-indicating chromatographic method for verapamil hydrochloride and its impurities in tablets using an analytical quality by design (AQbD) approach. <i>Microchemical Journal</i> , 2020, 154, 104610. | 2.3 | 27 |
| 41 | A smartphone-based bioassay for determining relative potency estimated from sigmoidal-response curves and respective measurement uncertainty. <i>Microchemical Journal</i> , 2020, 154, 104626. | 2.3 | 6 |
| 42 | Intra-articular concentration of gentamicin administered by intravenous regional limb perfusion in healthy horses. <i>Ciencia Rural</i> , 2020, 50, . | 0.3 | 0 |
| 43 | Using image analysis to determine gentamicin potency by agar diffusion microbiological assay and its measurement uncertainty. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 146, 315-321. | 2.5 | 7 |
| 44 | The Synergistic Behavior of Antioxidant Phenolic Compounds Obtained from Winemaking Wasteâ€™s Valorization, Increased the Efficacy of a Sunscreen System. <i>Antioxidants</i> , 2019, 8, 530. | 2.2 | 34 |
| 45 | Measurement uncertainty for the potency estimation by rapid microbiological methods (RMMs) with correlated data. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 102, 117-124. | 1.3 | 15 |
| 46 | Risk of false conformity decisions of multicomponent items controlled by correlated measurement results due to the sharing of analytical steps. <i>Talanta</i> , 2019, 196, 174-181. | 2.9 | 27 |
| 47 | Improved spreadsheet method for determination of between components metrological correlation due to the sharing of analytical steps. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 189, 161-168. | 1.8 | 19 |
| 48 | Daily supplementation with 5 mg of folic acid in Brazilian patients with hereditary spherocytosis. <i>Journal of Investigative Medicine</i> , 2019, 67, 1110-1117. | 0.7 | 6 |
| 49 | Highly Water-Soluble Orotic Acid Nanocrystals Produced by High-Energy Milling. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1848-1856. | 1.6 | 14 |
| 50 | Measurement uncertainty and risk of false conformity decision in the performance evaluation of liquid chromatography analytical procedures. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 171, 73-80. | 1.4 | 22 |
| 51 | Development of Biocomposite Materials from Biodegradable Polymer and Bio-hydroxyapatite Derived from Eggshells for Biomedical Applications. <i>Minerals, Metals and Materials Series</i> , 2019, , 571-581. | 0.3 | 2 |
| 52 | Spreadsheet for evaluation of global risks in conformity assessment of a multicomponent material or object. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 188, 1-5. | 1.8 | 24 |
| 53 | Olive oil nanoemulsion preparation using high-pressure homogenization and d-phase emulsification â€™ A design space approach. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 49, 622-631. | 1.4 | 35 |
| 54 | Using measurement uncertainty to assess the fitness for purpose of an HPLC analytical method in the pharmaceutical industry. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 119, 41-45. | 2.5 | 28 |

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|----|--|-----|-----------|
| 55 | Compatibility of Polyvinyl Chloride (PVC) Medical Devices and Other Polymeric Materials with Reactive Ion Etching (RIE) and Inductively Couple Plasma (ICP) Sterilization Using a Quality by Design (QbD) Approach. <i>Journal of Pharmaceutical Innovation</i> , 2018, 13, 110-120. | 1.1 | 3 |
| 56 | Evaluating the Potential, Applicability, and Effectiveness of Ozone Sterilization Process for Medical Devices. <i>Journal of Pharmaceutical Innovation</i> , 2018, 13, 87-94. | 1.1 | 15 |
| 57 | Rapid microbiological methods (RMMs) for evaluating the activity of cephalosporin antibiotics employing triphenyltetrazolium chloride. <i>Talanta</i> , 2018, 185, 520-527. | 2.9 | 15 |
| 58 | Chemical composition and biological activities of <i>Guatteria elliptica</i> R. E. Fries (Annonaceae) essential oils. <i>Journal of Essential Oil Research</i> , 2018, 30, 69-76. | 1.3 | 7 |
| 59 | Measurement uncertainty estimation based on multiple regression analysis (MRA) and Monte Carlo (MC) simulations – Application to agar diffusion method. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 115, 269-278. | 2.5 | 23 |
| 60 | Design of Experiments (DoE) applied to Pharmaceutical and Analytical Quality by Design (QbD). <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2018, 54, . | 1.2 | 135 |
| 61 | Validation Cytotoxicity Assay for Lipophilic Substances. <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 275-286. | 1.0 | 1 |
| 62 | Estimation of uncertainty for measuring desloratadine in tablets formulation using UV spectrophotometry. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 101, 40-44. | 2.5 | 22 |
| 63 | Development and characterization of miltefosine-loaded polymeric micelles for cancer treatment. <i>Materials Science and Engineering C</i> , 2017, 81, 327-333. | 3.8 | 39 |
| 64 | Quality by design (QbD), Process Analytical Technology (PAT), and design of experiment applied to the development of multifunctional sunscreens. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 246-256. | 0.9 | 26 |
| 65 | Measurement uncertainty of dissolution test of acetaminophen immediate release tablets using Monte Carlo simulations. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2017, 53, . | 1.2 | 10 |
| 66 | Measuring Uncertainty Using Different Approaches: A Case Study for Acetaminophen Quantification. <i>Journal of AOAC INTERNATIONAL</i> , 2016, 99, 612-617. | 0.7 | 15 |
| 67 | Kinetic microplate bioassays for relative potency of antibiotics improved by partial Least Square (PLS) regression. <i>Journal of Microbiological Methods</i> , 2016, 124, 28-34. | 0.7 | 12 |
| 68 | Reduced incubation time for inhibition zone formation based on diffusion and growth mechanism elucidation. <i>Analytical Methods</i> , 2016, 8, 3885-3891. | 1.3 | 11 |
| 69 | Design Space of a Rapid Colorimetric Microplate Bioassay for Bacitracin Using Response Surface Methodology (RSM). <i>Current Analytical Chemistry</i> , 2016, 12, 620-627. | 0.6 | 6 |
| 70 | Design Space Approach for Preservative System Optimization of an Anti-Aging Eye Fluid Emulsion. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2015, 18, 551. | 0.9 | 13 |
| 71 | Development, Optimization, and Validation of a Microplate Bioassay for Relative Potency Determination of Linezolid Using a Design Space Concept, and its Measurement Uncertainty. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 1267-1275. | 0.7 | 10 |
| 72 | Measurement Uncertainty of Chromogenic LAL Assays: Reaction Time and Proportion of Endotoxin and LAL Reagent Affect Release of p-Nitroaniline. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 51-55. | 0.7 | 11 |

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|----|--|-----|-----------|
| 73 | Measurement uncertainty of a UPLC stability indicating method for determination of linezolid in dosage forms. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 59, 1-8. | 2.5 | 23 |
| 74 | New Microbiological Assay for Determination of Caspofungin in the Presence of Its Degradation Products and Its Measurement Uncertainty. <i>Journal of AOAC INTERNATIONAL</i> , 2014, 97, 908-912. | 0.7 | 11 |
| 75 | Measurement uncertainty in pharmaceutical analysis and its application. <i>Journal of Pharmaceutical Analysis</i> , 2014, 4, 1-5. | 2.4 | 38 |
| 76 | An innovative challenge test for solid cosmetics using freeze-dried microorganisms and electrical methods. <i>Journal of Microbiological Methods</i> , 2014, 106, 104-109. | 0.7 | 5 |
| 77 | Analysis of 11-nor-9-carboxy- δ^9 -tetrahydrocannabinol in urine samples by hollow fiber-liquid phase microextraction and gas chromatography-mass spectrometry in consideration of measurement uncertainty. <i>Forensic Toxicology</i> , 2014, 32, 282-291. | 1.4 | 19 |
| 78 | Development, optimization and validation of a rapid colorimetric microplate bioassay for neomycin sulfate in pharmaceutical drug products. <i>Journal of Microbiological Methods</i> , 2014, 103, 104-111. | 0.7 | 22 |
| 79 | Rational development and validation of a new microbiological assay for linezolid and its measurement uncertainty. <i>Talanta</i> , 2014, 127, 225-229. | 2.9 | 27 |
| 80 | Validation and Measurement Uncertainty of an UPLC-PDA Stability Indicating Method Applied to Degradation Kinetics of Caspofungin. <i>Current Pharmaceutical Analysis</i> , 2014, 10, 193-202. | 0.3 | 7 |
| 81 | Uncertainty evaluation for determining linezolid in injectable solution by UV spectrophotometry. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 3924-3928. | 2.5 | 28 |
| 82 | Development and Validation of Microbiological Assay for Ceftriaxone and its Application in Photo-stability Study. <i>Current Pharmaceutical Analysis</i> , 2013, 9, 77-81. | 0.3 | 1 |
| 83 | Comparison of dissolution profile of extended-release oral dosage forms - two one-sided equivalence test. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2013, 49, 367-371. | 1.2 | 2 |
| 84 | Development and Validation of Microbiological Assay for Ceftriaxone and its Application in Photo-stability Study. <i>Current Pharmaceutical Analysis</i> , 2013, 9, 77-81. | 0.3 | 10 |
| 85 | Vancomycin Microbial Assay Using Kinetic-Reading Microplate System. <i>Current Pharmaceutical Analysis</i> , 2013, 9, 172-176. | 0.3 | 6 |
| 86 | Uncertainty in the Quantification of Metronidazole in Injectable Solution and its Application in the Assessment of Pharmaceutical Equivalence. <i>Current Pharmaceutical Analysis</i> , 2013, 9, 355-362. | 0.3 | 10 |
| 87 | How pH, Temperature, and Time of Incubation Affect False-Positive Responses and Uncertainty of the LAL Gel-Clot Test. <i>PDA Journal of Pharmaceutical Science and Technology</i> , 2012, 66, 542-546. | 0.3 | 22 |
| 88 | Using fluid bed granulation to improve the dissolution of poorly water-soluble drugs. <i>Brazilian Archives of Biology and Technology</i> , 2012, 55, 477-484. | 0.5 | 5 |
| 89 | Simple Estimation of Uncertainty in the Quantification of Cefazolin by HPLC and Bioassay. <i>Journal of Chromatography & Separation Techniques</i> , 2012, 03, . | 0.2 | 7 |
| 90 | Antibiotic microbial assay using kinetic-reading microplate system. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2011, 47, 573-584. | 1.2 | 17 |

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|-----|---|-----|-----------|
| 91 | Determination of apramycin in oral soluble powder by a HPLC method using pre-column derivatization with o-phthalaldehyde and UV detection. Brazilian Journal of Pharmaceutical Sciences, 2011, 47, 261-268. | 1.2 | 10 |
| 92 | Silicone Gel Bleed on Breast Implants. The Open Biomaterials Journal, 2011, 3, 14-17. | 1.0 | 3 |
| 93 | Comparison of three experimental designs employed in gentamicin microbiological assay through agar diffusion. Brazilian Journal of Pharmaceutical Sciences, 2009, 45, 559-566. | 1.2 | 21 |
| 94 | Evaluating Measurement Uncertainty in the Microbiological Assay of Vancomycin from Methodology Validation Data. Journal of AOAC INTERNATIONAL, 2007, 90, 1383-1386. | 0.7 | 20 |
| 95 | Validation of erythromycin microbiological assay using an alternative experimental design. Journal of AOAC INTERNATIONAL, 2007, 90, 1107-10. | 0.7 | 0 |
| 96 | Evaluating measurement uncertainty in the microbiological assay of vancomycin from methodology validation data. Journal of AOAC INTERNATIONAL, 2007, 90, 1383-6. | 0.7 | 3 |
| 97 | Estimativa da incerteza em ensaio de detecção de endotoxina bacteriana pelo método de gelificação. BJPS: Brazilian Journal of Pharmaceutical Sciences, 2005, 41, 438-443. | 0.5 | 4 |
| 98 | Case study of mind mapping as an educational tool for a pharmaceutical course on drug formulation design. Pharmacy Education, 0, , 178-185. | 0.2 | 0 |
| 99 | Rapid identification of microbial contaminants in pharmaceutical products using a PCA/LDA-based FTIR-ATR method. Brazilian Journal of Pharmaceutical Sciences, 0, 57, . | 1.2 | 2 |
| 100 | Desirability Function in analytical method development for determination of glitazones and metabolites employing HF-LPME. Brazilian Journal of Pharmaceutical Sciences, 0, 58, . | 1.2 | 0 |