

# Catia Contado

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,767  
citations

236925

25  
h-index

265206

42  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2408  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Cubosome Dispersions as Delivery Systems for Percutaneous Administration of Indomethacin. <i>Pharmaceutical Research</i> , 2005, 22, 2163-2173.  | 3.5 | 237       |
| 2  | Nanomaterials in consumer products: a challenging analytical problem. <i>Frontiers in Chemistry</i> , 2015, 3, 48.   | 3.6 | 181       |
| 3  | TiO <sub>2</sub> in Commercial Sunscreen Lotion: Flow Field-Flow Fractionation and ICP-AES Together for Size Analysis. <i>Analytical Chemistry</i> , 2008, 80, 7594-7608.  | 6.5 | 112       |
| 4  | Nanoparticulate lipid dispersions for bromocriptine delivery: Characterization and in vivo study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 80, 306-314.   | 4.3 | 106       |
| 5  | Field flow fractionation techniques to explore the "nano-world". <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2501-2518.   | 3.7 | 88        |
| 6  | Characterisation of River Po particles by sedimentation field-flow fractionation coupled to GFAAS and ICP-MS. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997, 120, 47-59.                        | 4.7 | 59        |
| 7  | Clotrimazole nanoparticle gel for mucosal administration. <i>Materials Science and Engineering C</i> , 2013, 33, 411-418.  | 7.3 | 58        |
| 8  | Separation of particulate environmental samples by SPLITT fractionation using different operating modes. <i>Analytica Chimica Acta</i> , 1997, 345, 99-110.  | 5.4 | 54        |
| 9  | Size characterization by Sedimentation Field Flow Fractionation of silica particles used as food additives. <i>Analytica Chimica Acta</i> , 2013, 788, 183-192.  | 5.4 | 51        |
| 10 | Critical Experimental Evaluation of Key Methods to Detect, Size and Quantify Nanoparticulate Silver. <i>Analytical Chemistry</i> , 2014, 86, 12143-12151.  | 6.5 | 50        |
| 11 | TiO <sub>2</sub> nano- and micro-particles in commercial foundation creams: Field Flow-Fractionation techniques together with ICP-AES and SQW Voltammetry for their characterization. <i>Analytical Methods</i> , 2010, 2, 1112. | 2.7 | 46        |
| 12 | Cannabinoid antagonist in nanostructured lipid carriers (NLCs): design, characterization and in vivo study. <i>Materials Science and Engineering C</i> , 2015, 48, 328-336.  | 7.3 | 43        |
| 13 | Curcumin containing monoolein aqueous dispersions: A preformulative study. <i>Materials Science and Engineering C</i> , 2013, 33, 4923-4934.   | 7.3 | 42        |
| 14 | Nanostructured lipid carriers (NLC) for the delivery of natural molecules with antimicrobial activity: production, characterisation and <i>in vitro</i> studies. <i>Journal of Microencapsulation</i> , 2017, 34, 63-72.         | 2.8 | 38        |
| 15 | Physicochemical and toxicological evaluation of silica nanoparticles suitable for food and consumer products collected by following the EC recommendation. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 271-286.   | 3.7 | 35        |
| 16 | Investigation of zinc oxide particles in cosmetic products by means of centrifugal and asymmetrical flow field-flow fractionation. <i>Journal of Chromatography A</i> , 2017, 1515, 196-208.                                     | 3.7 | 35        |
| 17 | Continuous split-flow thin cell and gravitational field-flow fractionation of wheat starch particles. <i>Journal of Chromatography A</i> , 2000, 871, 449-460.   | 3.7 | 32        |
| 18 | Evaluation of Percutaneous Absorption of Naproxen from Different Liposomal Formulations. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 2819-2829.  | 3.3 | 31        |

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|----|--|-----|-----------|
| 19 | A new strategy for pressed powder eye shadow analysis: Allergenic metal ion content and particle size distribution. <i>Science of the Total Environment</i> , 2012, 432, 173-179.  | 8.0 | 30        |
| 20 | Biodistribution of nanostructured lipid carriers: A tomographic study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 89, 145-156.  | 4.3 | 29        |
| 21 | Complementary use of flow and sedimentation field-flow fractionation techniques for size characterizing biodegradable poly(lactic acid) nanospheres. <i>Journal of Chromatography A</i> , 2007, 1157, 321-335.   | 3.7 | 28        |
| 22 | Size sorting of citrate reduced gold nanoparticles by sedimentation field-flow fractionation. <i>Journal of Chromatography A</i> , 2009, 1216, 9088-9098.  | 3.7 | 28        |
| 23 | Influence of secondary preparative parameters and aging effects on PLGA particle size distribution: a sedimentation field flow fractionation investigation. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 703-711.  | 3.7 | 28        |
| 24 | Continuous split flow-thin cell fractionation of starch particles. <i>Journal of Chromatography A</i> , 1999, 845, 303-316.  | 3.7 | 26        |
| 25 | Experimental approaches for size-based metal speciation in rivers<br>Electronic supplementary information (ESI) available: Experimental details, tables A?D showing parameters for GF and AAS, detection limits for ETAAS, SdFFF operative parameters and metal concentrations determined in the void time at the two different pH values, and SEM images of the void time fractions. See <a href="http://www.rsc.org/supplata/2012/2009774">http://www.rsc.org/supplata/2012/2009774</a> . <i>Journal of Environmental Monitoring</i> , 2002, 5, 845. | 2.1 | 25        |
| 26 | Analysis of kaolin by sedimentation field-flow fractionation and electrothermal atomic absorption spectrometry detection. <i>Chromatographia</i> , 1995, 41, 715-721.  | 1.3 | 21        |
| 27 | Calibration in thermal field flow fractionation with polydisperse standards: Application to polyolefin characterization. <i>Journal of Separation Science</i> , 2002, 25, 691-702.   | 2.5 | 21        |
| 28 | Dimensional and elemental characterization of suspended particulate matter in natural waters: quantitative aspects in the integrated ultrafiltration, splitt-flow thin cell and inductively coupled plasma-atomic emission spectrometry approach. <i>Analytica Chimica Acta</i> , 2002, 470, 253-262.  | 5.4 | 20        |
| 29 | Nanoparticle formulation may affect the stabilization of an antiischemic prodrug. <i>International Journal of Pharmaceutics</i> , 2006, 307, 103-113.  | 5.2 | 20        |
| 30 | Development and characterization of PLGA nanoparticles as delivery systems of a prodrug of zidovudine obtained by its conjugation with ursodeoxycholic acid. <i>Drug Delivery</i> , 2014, 21, 221-232.   | 5.7 | 17        |
| 31 | SPLITT Cell Analytical Separation of Silica Particles. Non-Specific Crossover Effects: Does the Shear-Induced Diffusion Play a Role?. <i>Chromatographia</i> , 2007, 65, 453-462.  | 1.3 | 15        |
| 32 | Monoolein aqueous dispersions as a delivery system for quercetin. <i>Biomedical Microdevices</i> , 2017, 19, 41.   | 2.8 | 15        |
| 33 | Barley Starch Granules Subject to SPLITT Cell Fractionation and Sd/StFFF Size Characterization. <i>Starch/Staerke</i> , 2001, 53, 414-423.   | 2.1 | 14        |
| 34 | Characterization methods for studying protein adsorption on nano-polystyrene beads. <i>Journal of Chromatography A</i> , 2019, 1606, 460383.   | 3.7 | 14        |
| 35 | Size- and elemental characterization of suspended particle matter by split-flow thin cell fractionation and slurry analysis- electrothermal atomic absorption spectrometry. <i>Analyst</i> , The, 2000, 125, 1335-1339.  | 3.5 | 13        |
| 36 | High-Speed Separation and Size Characterization of Wheat and Barley Starch Granules by Lift-Hyperlayer Asymmetrical Flow Field-Flow Fractionation in Synergy with SPLITT Fractionation. <i>Starch/Staerke</i> , 2006, 58, 140-154.   | 2.1 | 12        |

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|----|--|-----|-----------|
| 37 | Lipid nanocarriers containing a levodopa prodrug with potential antiparkinsonian activity. <i>Materials Science and Engineering C</i> , 2015, 48, 294-300.   | 7.3 | 11        |
| 38 | Sedimentation field flow fractionation and optical absorption spectroscopy for a quantitative size characterization of silver nanoparticles. <i>Journal of Chromatography A</i> , 2016, 1471, 178-185.   | 3.7 | 11        |
| 39 | EVALUATION OF THE SORET COEFFICIENT FOR POLYSTYRENE IN DECALIN BY MEANS OF THERMAL FIELD-FLOW FRACTIONATION. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000, 23, 2067-2082.   | 1.0 | 9         |
| 40 | Assessment of Linearity Conditions in Thermal Field-Flow Fractionation by Peak Shape Analysis. <i>International Journal of Polymer Analysis and Characterization</i> , 1997, 3, 107-130.   | 1.9 | 8         |
| 41 | Sedimentation field flow fractionation and flow field flow fractionation as tools for studying the aging effects of WO <sub>3</sub> colloids for photoelectrochemical uses. <i>Journal of Chromatography A</i> , 2011, 1218, 4179-4187.          | 3.7 | 8         |
| 42 | Integration of Inverse Supercritical Fluid Extraction and Miniaturized Asymmetrical Flow Field-Flow Fractionation for the Rapid Analysis of Nanoparticles in Sunscreens. <i>Analytical Chemistry</i> , 2018, 90, 3189-3195.                      | 6.5 | 8         |
| 43 | Programmed Field Decay Thermal Field Flow Fractionation of Polymers: A Calibration Method. <i>Analytical Chemistry</i> , 2004, 76, 6665-6680.  | 6.5 | 7         |
| 44 | Analytical SPLIT cell fractionation: Linearity and resolution study. <i>Journal of Separation Science</i> , 2003, 26, 351-362.   | 2.5 | 6         |
| 45 | Precision in differential field-flow fractionation: A chemometric study. <i>Journal of Separation Science</i> , 2007, 30, 2760-2779.   | 2.5 | 6         |
| 46 | Sedimentation field flow fractionation of immunoglobulin A coated polystyrene beads. <i>Journal of Chromatography A</i> , 2007, 1169, 158-174.   | 3.7 | 6         |
| 47 | Evaluation of a Standardless Method of Determination of Molecular Weight and Polydispersity of a Polystyrene Sample by Thermal Field-Flow Fractionation. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1997, 20, 2723-2739. | 1.0 | 5         |
| 48 | Development of an SdFFF-ETAAS hyphenated technique for dimensional and elemental characterization of colloids. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 922-930.   | 3.7 | 5         |
| 49 | Quantitative Splitt Fractionation of Lagoon Sediments. <i>Annali Di Chimica</i> , 2004, 94, 617-628.   | 0.6 | 3         |
| 50 | Metal Content in River Suspended Particulate Matter: Data on Po River. <i>Annali Di Chimica</i> , 2004, 94, 353-364.   | 0.6 | 0         |
| 51 | Field-Flow Fractionation. <i>Chromatographic Science</i> , 2010, , 329-359.  | 0.1 | 0         |