

Mãrcia Cristina Breitzkreitz

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,495
citations

394421

19
h-index

330143

37
g-index

55
all docs

55
docs citations

55
times ranked

2119
citing authors

#	ARTICLE	IF	CITATIONS
1	Authentication of plant-based protein powders and classification of adulterants as whey, soy protein, and wheat using FT-NIR in tandem with OC-PLS and PLS-DA models. <i>Food Control</i> , 2022, 132, 108489.	5.5	15
2	Hybrid Nanobeads for Oral Indomethacin Delivery. <i>Pharmaceutics</i> , 2022, 14, 583.	4.5	2
3	Comprehensive analysis of phenolics compounds in citrus fruits peels by UPLC-PDA and UPLC-Q/TOF MS using a fused-core column. <i>Food Chemistry: X</i> , 2022, 14, 100262.	4.3	22
4	Metabolite Profiling of Soy By-Products: A Comprehensive Approach. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 7321-7341.	5.2	3
5	Quantification of palm oil bioactive compounds by ultra-high performance supercritical fluid chromatography and chemometrics. <i>Canadian Journal of Chemical Engineering</i> , 2021, , .	1.7	1
6	Lipid nanoparticles loaded with butamben and designed to improve anesthesia at inflamed tissues. <i>Biomaterials Science</i> , 2021, 9, 3378-3389.	5.4	10
7	Development of <i>S</i> 75 <i>R</i> 25 bupivacaine-loaded lipid nanoparticles functionalized with essential oils for treating melanoma. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2197-2207.	3.2	6
8	Raman Imaging and Chemometrics Evaluation of Natural and Synthetic Beeswaxes as Matrices for Nanostructured Lipid Carriers Development. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, 8, .	0.5	3
9	Multivariate Curve Resolution Alternating Least Squares applied to Chromatographic Data: From the Basics to the Recent Advances. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, 8, .	0.5	1
10	Analytical Quality by Design. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, 8, 1-5.	0.5	2
11	Ash Influence on the Ethyl Levulinate Production from Sugarcane Molasses Mediated by Taurine Hydrogen Sulfate. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13438-13449.	6.7	5
12	Improved hydrolysis yields and silica recovery by design of experiments applied to acid-alkali pretreatment in rice husks. <i>Industrial Crops and Products</i> , 2021, 170, 113676.	5.2	12
13	A pre-formulation study of tetracaine loaded in optimized nanostructured lipid carriers. <i>Scientific Reports</i> , 2021, 11, 21463.	3.3	15
14	Injectable in situ forming nanogel: A hybrid Alginate-NLC formulation extends bupivacaine anesthetic effect. <i>Materials Science and Engineering C</i> , 2020, 109, 110608.	7.3	21
15	Multiblock modelling on the study of the kinetic degradation of rosuvastatin calcium in the presence of retention time shifts and rank deficiency. <i>Analytica Chimica Acta</i> , 2020, 1133, 77-87.	5.4	4
16	Hybrid nanofilms as topical anesthetics for pain-free procedures in dentistry. <i>Scientific Reports</i> , 2020, 10, 11341.	3.3	15
17	Articaine in functional NLC show improved anesthesia and anti-inflammatory activity in zebrafish. <i>Scientific Reports</i> , 2020, 10, 19733.	3.3	9
18	Extraction of information about structural changes in a semisolid pharmaceutical formulation from near-infrared and Raman images by multivariate curve resolution-alternating least squares and ComDim. <i>Journal of Chemometrics</i> , 2020, 34, e3288.	1.3	5

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19	Sequential design of experiments approach for the multiproduct analysis of cholesterol-lowering drugs by ultra-high-performance supercritical fluid chromatography. <i>Journal of Separation Science</i> , 2020, 43, 4234-4242.	2.5	5
20	Functional Hybrid Nanoemulsions for Sumatriptan Intranasal Delivery. <i>Frontiers in Chemistry</i> , 2020, 8, 589503.	3.6	7
21	Nanocarriers From Natural Lipids With In Vitro Activity Against <i>Campylobacter jejuni</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 571040.	3.9	11
22	Improved efficacy of naproxen-loaded NLC for temporomandibular joint administration. <i>Scientific Reports</i> , 2019, 9, 11160.	3.3	43
23	Multivariate statistical analysis of chemical and electrochemical oscillators for an accurate frequency selection. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16423-16434.	2.8	11
24	Evaluation of miscibility and polymorphism of synthetic and natural lipids for nanostructured lipid carrier (NLC) formulations by Raman mapping and multivariate curve resolution (MCR). <i>European Journal of Pharmaceutical Sciences</i> , 2019, 135, 51-59.	4.0	12
25	Characterization of the lipid profile from coconut (<i>Cocos nucifera</i> L.) oil of different varieties by electrospray ionization mass spectrometry associated with principal component analysis and independent component analysis. <i>Food Research International</i> , 2019, 123, 189-197.	6.2	22
26	Rational design of polymer-lipid nanoparticles for docetaxel delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 56-64.	5.0	32
27	A simplified and versatile multivariate calibration procedure for multiproduct quantification of pharmaceutical drugs in the presence of interferences using first order data and chemometrics. <i>Microchemical Journal</i> , 2019, 146, 202-209.	4.5	13
28	Análise multiproduto de fármacos usando detecção no ultravioleta e ferramentas quimiométricas buscando a resolução de interferências. <i>Revista Dos Trabalhos De Iniciação Científica Da UNICAMP</i> , 2019, , .	0.0	0
29	Conversion of α -Fructose to 5-(Hydroxymethyl)furfural: Evaluating Batch and Continuous Flow Conditions by Design of Experiments and In-Line FTIR Monitoring. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4220-4230.	6.7	46
30	Optimization of Atmospheric Pressure Photoionization for the Crude Oil Analysis Using Ultra-High Resolution Mass Spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2018, , .	0.6	6
31	Comparison of different chemometric methods to extract chemical and physical information from Raman images of homogeneous and heterogeneous semi-solid pharmaceutical formulations. <i>International Journal of Pharmaceutics</i> , 2018, 552, 119-129.	5.2	22
32	Nanohybrid hydrogels designed for transbuccal anesthesia. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 6453-6463.	6.7	24
33	Optimization of biomass pretreatments using fractional factorial experimental design. <i>Biotechnology for Biofuels</i> , 2018, 11, 206.	6.2	37
34	Study of the chromatographic parameters of ultra-high-performance supercritical fluid chromatography and method development using a design of experiments approach for the quantification of pesticides in lettuce. <i>Journal of Separation Science</i> , 2018, 41, 3339-3345.	2.5	3
35	Bupivacaine (S75:R25) Loaded in Nanostructured Lipid Carriers: Factorial Design, HPLC Quantification Method and Physicochemical Stability Study. <i>Current Drug Delivery</i> , 2018, 15, 388-396.	1.6	6
36	Natural lipids-based NLC containing lidocaine: from pre-formulation to in vivo studies. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 106, 102-112.	4.0	67

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37	Telechelic Poly(bisphenol A carbonate) Synthesis by Glycolysis: A Response Surface Methodology Approach. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3983-3992.	3.7	5
38	Revisiting quick, easy, cheap, effective, rugged, and safe parameters for sample preparation in pesticide residue analysis of lettuce by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1482, 11-22.	3.7	36
39	Study of the effect of the operating parameters on the separation of bioactive compounds of palm oil by ultra-high performance supercritical fluid chromatography using a design of experiments approach. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2306-2314.	1.7	7
40	Optimised NLC: a nanotechnological approach to improve the anaesthetic effect of bupivacaine. <i>International Journal of Pharmaceutics</i> , 2017, 529, 253-263.	5.2	32
41	Classical Least Squares Combined with Spectral Interval Selection Using Genetic Algorithm for Prediction of Constituents in Pharmaceutical Solid Dosage Forms from near Infrared Chemical Imaging Data. <i>Journal of Near Infrared Spectroscopy</i> , 2016, 24, 157-169.	1.5	4
42	Nanostructured lipid carriers as robust systems for topical lidocaine-prilocaine release in dentistry. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 192-202.	4.0	72
43	A didactic chemometrics experiment for design of experiments (DOE): evaluation of experimental conditions in the spectrophotometric determination of Iron II with 1-phenanthroline. A tutorial, part III. <i>Quimica Nova</i> , 2014, 37, .	0.3	13
44	Characterization of semi-solid Self-Emulsifying Drug Delivery Systems (SEDDS) of atorvastatin calcium by Raman image spectroscopy and chemometrics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 73, 3-12.	2.8	46
45	Raman imaging spectroscopic characterization of modified poly(dimethylsiloxane) for micro total analysis systems applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 100, 67-71.	3.9	8
46	Experimento didático de quimiometria para calibração multivariada na determinação de paracetamol em comprimidos comerciais utilizando espectroscopia no infravermelho próximo: um tutorial, parte II. <i>Quimica Nova</i> , 2013, 36, 1057-1065.	0.3	11
47	Trends in Raman chemical imaging. <i>Biomedical Spectroscopy and Imaging</i> , 2012, 1, 159-183.	1.2	11
48	Desenvolvimento de um algoritmo para identificação e correção de spikes em espectroscopia raman de imagem. <i>Quimica Nova</i> , 2012, 35, 612-615.	0.3	21
49	Construction of a new functional platform by grafting poly(4-vinylpyridine) in multi-walled carbon nanotubes for complexing copper ions aiming the amperometric detection of L-cysteine. <i>Electrochimica Acta</i> , 2012, 71, 150-158.	5.2	44
50	Analysis of pharmaceutical pellets: An approach using near-infrared chemical imaging. <i>Analytica Chimica Acta</i> , 2011, 706, 113-119.	5.4	27
51	Combined column-mobile phase mixture statistical design optimization of high-performance liquid chromatographic analysis of multicomponent systems. <i>Journal of Chromatography A</i> , 2009, 1216, 1439-1449.	3.7	25
52	Unreplicated split-plot mixture designs and statistical models for optimizing mobile chromatographic phase and extraction solutions for fingerprint searches. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007, 89, 82-89.	3.5	8
53	Statistical designs and response surface techniques for the optimization of chromatographic systems. <i>Journal of Chromatography A</i> , 2007, 1158, 2-14.	3.7	493
54	Determination of total sulfur in diesel fuel employing NIR spectroscopy and multivariate calibration. <i>Analyst</i> , 2003, 128, 1204-1207.	3.5	104

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55	Raman Imaging Spectroscopy: History, Fundamentals and Current Scenario of the Technique. Journal of the Brazilian Chemical Society, 0, , .	0.6	10