

Renato L Carneiro

List of Publications by Year in descending order

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69
papers

1,155
citations

331670

21
h-index

477307

29
g-index

69
all docs

69
docs citations

69
times ranked

1691
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical conductivity and emerging contaminant as markers of surface freshwater contamination by wastewater. <i>Science of the Total Environment</i> , 2014, 484, 19-26.	8.0	84
2	Green Synthesis of Ibuprofen-Nicotinamide Cocrystals and In-Line Evaluation by Raman Spectroscopy. <i>Crystal Growth and Design</i> , 2013, 13, 1510-1517.	3.0	56
3	Laser-induced breakdown spectroscopy (LIBS) combined with hyperspectral imaging for the evaluation of printed circuit board composition. <i>Talanta</i> , 2015, 134, 278-283.	5.5	53
4	Chemical and antifungal investigations of six <i>Lippia</i> species (Verbenaceae) from Brazil. <i>Food Chemistry</i> , 2012, 135, 2086-2094.	8.2	43
5	Evaluation of analytical tools and multivariate methods for quantification of co-former crystals in ibuprofen-nicotinamide co-crystals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 89, 166-175.	2.8	42
6	Acetone as a greener alternative to acetonitrile in liquid chromatographic fingerprinting. <i>Journal of Separation Science</i> , 2015, 38, 1458-1465.	2.5	36
7	Natural deep eutectic solvents and aqueous solutions as an alternative extraction media for propolis. <i>Food Research International</i> , 2019, 125, 108559.	6.2	36
8	Green chromatographic fingerprinting: An environmentally friendly approach for the development of separation methods for fingerprinting complex matrices. <i>Journal of Separation Science</i> , 2014, 37, 37-44.	2.5	31
9	Tracking the degradation of fresh orange juice and discrimination of orange varieties: An example of NMR in coordination with chemometrics analyses. <i>Food Chemistry</i> , 2014, 164, 446-453.	8.2	30
10	Fluconazole: Synthesis and Structural Characterization of Four New Pharmaceutical Cocrystal Forms. <i>Crystal Growth and Design</i> , 2019, 19, 648-657.	3.0	30
11	Simultaneous Quantification of Three Polymorphic Forms of Carbamazepine in the Presence of Excipients Using Raman Spectroscopy. <i>Molecules</i> , 2014, 19, 14128-14138.	3.8	28
12	Optimization of SERS scattering by Ag-NPs-coated filter paper for quantification of nicotinamide in a cosmetic formulation. <i>Talanta</i> , 2014, 118, 353-358.	5.5	28
13	Determination of acetylsalicylic acid in commercial tablets by SERS using silver nanoparticle-coated filter paper. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 107-111.	3.9	27
14	Spatio-temporal evaluation of emerging contaminants and their partitioning along a Brazilian watershed. <i>Environmental Science and Pollution Research</i> , 2018, 25, 4607-4620.	5.3	26
15	Application of the response surface and desirability design to the Lambda-cyhalothrin degradation using photo-Fenton reaction. <i>Journal of Environmental Management</i> , 2013, 118, 32-39.	7.8	25
16	Optimization of Sample Preparation in the Determination of Minerals and Trace Elements in Honey by ICP-MS. <i>Food Analytical Methods</i> , 2014, 7, 1009-1015.	2.6	25
17	Thermal Stability Assessment of Vegetable Oils by Raman Spectroscopy and Chemometrics. <i>Food Analytical Methods</i> , 2018, 11, 1969-1976.	2.6	25
18	Determination of B-complex vitamins in pharmaceutical formulations by surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 589-595.	3.9	24

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19	Metabolite characterization of fifteen by-products of the coffee production chain: From farm to factory. <i>Food Chemistry</i> , 2022, 369, 130753.	8.2	23
20	5-Fluorocytosine/5-Fluorouracil Drug-Drug Cocrystal: a New Development Route Based on Mechanochemical Synthesis. <i>Journal of Pharmaceutical Innovation</i> , 2019, 14, 50-56.	2.4	22
21	Interval Multivariate Curve Resolution in the Dereplication of HPLC-DAD Data from <i>Jatropha gossypifolia</i> . <i>Phytochemical Analysis</i> , 2013, 24, 401-406.	2.4	21
22	Crystalline phase transition of ezetimibe in final product, after packing, promoted by the humidity of excipients: Monitoring and quantification by Raman spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 209-214.	2.8	21
23	Application of genetic algorithm for selection of variables for the BLS method applied to determination of pesticides and metabolites in wine. <i>Analytica Chimica Acta</i> , 2007, 595, 51-58.	5.4	19
24	Fluconazolium oxalate: synthesis and structural characterization of a highly soluble crystalline form. <i>CrystEngComm</i> , 2019, 21, 1114-1121.	2.6	19
25	Infrared imaging spectroscopy and chemometric tools for in situ analysis of an imiquimod pharmaceutical preparation presented as cream. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 215-220.	3.9	18
26	Ultrasound-assisted extraction method for the simultaneous determination of emerging contaminants in freshwater sediments. <i>Journal of Separation Science</i> , 2015, 38, 3454-3460.	2.5	18
27	HPLC-DAD method for metabolic fingerprinting of the phenotyping of sugarcane genotypes. <i>Analytical Methods</i> , 2014, 6, 7781-7788.	2.7	17
28	In-line monitoring of cocrystallization process and quantification of carbamazepine-nicotinamide cocrystal using Raman spectroscopy and chemometric tools. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 180, 1-8.	3.9	17
29	Characterization of Gasoline by Raman Spectroscopy with Chemometric Analysis. <i>Analytical Letters</i> , 2017, 50, 1126-1138.	1.8	17
30	A trade off between separation, detection and sustainability in liquid chromatographic fingerprinting. <i>Journal of Chromatography A</i> , 2014, 1354, 34-42.	3.7	16
31	Monitoring of the crystallization of zeolite LTA using Raman and chemometric tools. <i>Analyst</i> , The, 2015, 140, 854-859.	3.5	16
32	Application of Laser-Induced Breakdown Spectroscopy and Hyperspectral Images for Direct Evaluation of Chemical Elemental Profiles of Coprolites. <i>Geostandards and Geoanalytical Research</i> , 2017, 41, 273-282.	3.1	16
33	Cluster analysis of commercial samples of <i>Bauhinia</i> spp. using HPLC-UV/PDA and MCR-ALS/PCA without peak alignment procedure. <i>Phytochemical Analysis</i> , 2015, 26, 367-373.	2.4	15
34	Chemometrics Approaches in Forced Degradation Studies of Pharmaceutical Drugs. <i>Molecules</i> , 2019, 24, 3804.	3.8	15
35	Multivariate curve resolution of pH gradient flow injection mixture analysis with correction of the Schlieren effect. <i>Analyst</i> , The, 2008, 133, 774.	3.5	14
36	On Track for a Truly Green Propolis? Fingerprinting Propolis Samples from Seven Countries by Means of a Fully Green Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 7110-7117.	6.7	13

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37	Simulation of NaCl and KCl mass transfer during salting of Prato cheese in brine with agitation: a numerical solution. Brazilian Journal of Chemical Engineering, 2007, 24, 337-349.	1.3	12
38	Thin-layer chromatography–surface-enhanced Raman spectroscopy and chemometric tools applied to Pilsner beer fingerprint analysis. Journal of Raman Spectroscopy, 2017, 48, 943-950.	2.5	12
39	Fingerprinting Cynara scolymus L. (Artichoke) by Means of a Green Statistically Developed HPLC-PAD Method. Food Analytical Methods, 2018, 11, 1977-1985.	2.6	12
40	Combining natural deep eutectic solvent and microwave irradiation towards the eco-friendly and optimized extraction of bioactive phenolics from Eugenia uniflora L.. Sustainable Chemistry and Pharmacy, 2022, 26, 100618.	3.3	12
41	Homogeneity study of ointment dosage forms by infrared imaging spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2012, 58, 42-48.	2.8	11
42	Partial least squares model and design of experiments toward the analysis of the metabolome of <i>Jatropha gossypifolia</i> leaves: Extraction and chromatographic fingerprint optimization. Journal of Separation Science, 2016, 39, 1023-1030.	2.5	11
43	Evaluation of the number of factors needed for residual bilinearization in BLS and UPLS models to achieve the second-order advantage. Chemometrics and Intelligent Laboratory Systems, 2010, 100, 99-109.	3.5	10
44	Simultaneous Quantification of Three Polymorphic Forms of Carbamazepine using Raman Spectroscopy and Multivariate Calibration. Analytical Letters, 2014, 47, 1043-1051.	1.8	9
45	Fast Determination of the Composition of Pretreated Sugarcane Bagasse Using Near-Infrared Spectroscopy. Bioenergy Research, 2014, 7, 1441-1453.	3.9	8
46	Validation of reference genes in leaf-cutting ant <i>Atta sexdens rubropilosa</i> in different developmental stages and tissues. International Journal of Environment Agriculture and Biotechnology, 2017, 2, 743-755.	0.1	8
47	Single pixel quantification strategies using middle infrared hyperspectral imaging of lignocellulosic fibers and MCR-ALS analysis. Microchemical Journal, 2017, 134, 164-172.	4.5	7
48	Coupled monolithic columns as an alternative for the use of viscous ethanol–water mobile phases on chromatographic fingerprinting complex samples. Revista Brasileira De Farmacognosia, 2018, 28, 261-266.	1.4	7
49	Impact of Polymer Type on Thermal Degradation of Amorphous Solid Dispersions Containing Ritonavir. Molecular Pharmaceutics, 2022, 19, 332-344.	4.6	7
50	Application of a Quantitative HPLC-ESI-MS/MS Method for Flavonoids in Different Vegetables Matrices. Journal of the Brazilian Chemical Society, 2015, , .	0.6	6
51	A new approach for identifying antagonism among fungi species and antifungal activity. Journal of Pharmaceutical and Biomedical Analysis, 2020, 179, 112960.	2.8	6
52	A green and sustainable method for monitoring the chemical composition of soybean: an alternative for quality control. Phytochemical Analysis, 2021, 32, 562-574.	2.4	6
53	Design of experiments applied to stress testing of pharmaceutical products: A case study of Albendazole. European Journal of Pharmaceutical Sciences, 2021, 165, 105939.	4.0	6
54	Mechanochemical synthesis and characterization of a novel AA–Flucytosine drug–drug cocrystal: A versatile model system for green approaches. Journal of Molecular Structure, 2022, 1251, 132052.	3.6	6

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55	A quantitative method using near infrared imaging spectroscopy for determination of surface composition of tablet dosage forms: an example of spiro lactone tablets. Journal of the Brazilian Chemical Society, 2012, 23, 1570-1576.	0.6	5
56	An efficient, fast, and green procedure to quantify $\hat{1}^{\pm}$ - and $\hat{1}^2$ -acids and xanthohumol in hops and their derived products. Food Chemistry, 2022, 373, 131323.	8.2	5
57	Synthesis and solid-state characterization of diclofenac imidazolium monohydrate: an imidazolium pharmaceutical ionic liquid. CrystEngComm, 2020, 22, 5345-5354.	2.6	4
58	MÃ©todos de gradiente para otimizaÃ§Ã£o simultÃ¢nea: estudo de casos de sistemas alimentares. Semina:Ciencias Agrarias, 2005, 26, 353.	0.3	4
59	Simultaneous Degradation of Hexazinone and Diuron Herbicides by H ₂ O ₂ /UV and Toxicity Assessment. Journal of the Brazilian Chemical Society, 2014, , .	0.6	3
60	Fourier transform infrared imaging and quantitative analysis of pre-treated wood fibers: A comparison between partial least squares and multivariate curve resolution with alternating least squares methods in a case study. Chemometrics and Intelligent Laboratory Systems, 2019, 195, 103890.	3.5	2
61	Essential oil profiling of six new <i>citrus</i> hybrids from Murcott tangor and Pera sweet orange. Journal of Essential Oil Research, 2019, 31, 400-408.	2.7	2
62	Unveiling meloxicam monohydrate process of dehydration by an at-line vibrational multi-spectroscopy approach. Journal of Pharmaceutical and Biomedical Analysis, 2021, 202, 114164.	2.8	2
63	Fruit quality parameters and volatile compounds from â€Palmerâ€™ mangoes with internal breakdown. Food Chemistry, 2022, 388, 132902.	8.2	2
64	A comparative approach of MIR, NIR and Raman based chemometric strategies for quantification of Form I of Meloxicam in commercial bulk drug. Microchemical Journal, 2022, 180, 107575.	4.5	2
65	Evaluation of conversion during the synthesis of aluminum (III) methacrylate-based copolymers using Raman spectroscopy and multivariate curve resolution. Microchemical Journal, 2015, 123, 62-69.	4.5	1
66	¹ H qNMR and Chemometric Analyses of Urban Wastewater. Journal of the Brazilian Chemical Society, 2015, , .	0.6	1
67	Simultaneous Quantification of Amorphous and Crystalline Valsartan in Tablets Using Raman Spectroscopy and Chemometrics Tools. Journal of the Brazilian Chemical Society, 0, , .	0.6	0
68	Analysis of the Gene Expression and RNAi-Mediated Knockdown of Chitin Synthase from Leaf-Cutting Ant Atta sexdens. Journal of the Brazilian Chemical Society, 0, , .	0.6	0
69	Inspiratory muscle metaboreflex during a progressive inspiratory threshold loading test. , 2021, , .		0