Renato L Carneiro

List of Publications by Year
in descending order

69	1,155	331259	476904
papers	citations	21 h-index	29 g-index

69	69	69	1691
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolite characterization of fifteen by-products of the coffee production chain: From farm to factory. Food Chemistry, 2022, 369, 130753.	4.2	23
2	An efficient, fast, and green procedure to quantify Î±- and Î²-acids and xanthohumol in hops and their derived products. Food Chemistry, 2022, 373, 131323.	4.2	5
3	Mechanochemical synthesis and characterization of a novel AAsâ€“Flucytosine drugâ€“drug cocrystal: A versatile model system for green approaches. Journal of Molecular Structure, 2022, 1251, 132052.	1.8	6
4	Fruit quality parameters and volatile compounds from â€˜Palmerâ€™ mangoes with internal breakdown. Food Chemistry, 2022, 388, 132902.	4.2	2
5	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.	1.6	12
6	Impact of Polymer Type on Thermal Degradation of Amorphous Solid Dispersions Containing Ritonavir. Molecular Pharmaceutics, 2022, 19, 332-344.	2.3	7
7	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.	2.3	2
8	A green and sustainable method for monitoring the chemical composition of soybean: an alternative for quality control. Phytochemical Analysis, 2021, 32, 562-574.	1.2	6
9	Unveiling meloxicam monohydrate process of dehydration by an at-line vibrational multi-spectroscopy approach. Journal of Pharmaceutical and Biomedical Analysis, 2021, 202, 114164.	1.4	2
10	Design of experiments applied to stress testing of pharmaceutical products: A case study of Albendazole. European Journal of Pharmaceutical Sciences, 2021, 165, 105939.	1.9	6
11	Inspiratory muscle metaboreflex during a progressive inspiratory threshold loading test. , 2021, , .		0
12	A new approach for identifying antagonism among fungi species and antifungal activity. Journal of Pharmaceutical and Biomedical Analysis, 2020, 179, 112960.	1.4	6
13	Synthesis and solid-state characterization of diclofenac imidazolium monohydrate: an imidazolium pharmaceutical ionic liquid. CrystEngComm, 2020, 22, 5345-5354.	1.3	4
14	5-Fluorocytosine/5-Fluorouracil Drug-Drug Cocrystal: a New Development Route Based on Mechanochemical Synthesis. Journal of Pharmaceutical Innovation, 2019, 14, 50-56.	1.1	22
15	Natural deep eutectic solvents and aqueous solutions as an alternative extraction media for propolis. Food Research International, 2019, 125, 108559.	2.9	36
16	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.	1.8	2
17	Chemometrics Approaches in Forced Degradation Studies of Pharmaceutical Drugs. Molecules, 2019, 24, 3804.	1.7	15
18	Fluconazolium oxalate: synthesis and structural characterization of a highly soluble crystalline form. CrystEngComm, 2019, 21, 1114-1121.	1.3	19

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19	Essential oil profiling of six new citrus hybrids from Murcott tangor and Pera sweet orange. Journal of Essential Oil Research, 2019, 31, 400-408.	1.3	2
20	Fluconazole: Synthesis and Structural Characterization of Four New Pharmaceutical Cocrystal Forms. Crystal Growth and Design, 2019, 19, 648-657.	1.4	30
21	Thermal Stability Assessment of Vegetable Oils by Raman Spectroscopy and Chemometrics. Food Analytical Methods, 2018, 11, 1969-1976.	1.3	25
22	Fingerprinting Cynara scolymus L. (Artichoke) by Means of a Green Statistically Developed HPLC-PAD Method. Food Analytical Methods, 2018, 11, 1977-1985.	1.3	12
23	Determination of B-complex vitamins in pharmaceutical formulations by surface-enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 589-595.	2.0	24
24	Spatio-temporal evaluation of emerging contaminants and their partitioning along a Brazilian watershed. Environmental Science and Pollution Research, 2018, 25, 4607-4620.	2.7	26
25	Coupled monolithic columns as an alternative for the use of viscous ethanolâ€“water mobile phases on chromatographic fingerprinting complex samples. Revista Brasileira De Farmacognosia, 2018, 28, 261-266.	0.6	7
26	In-line monitoring of cocrystallization process and quantification of carbamazepine-nicotinamide cocrystal using Raman spectroscopy and chemometric tools. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 180, 1-8.	2.0	17
27	Thinâ€layer chromatographyâ€“surfaceâ€enhanced Raman spectroscopy and chemometric tools applied to <scp>Pilsner</scp> beer fingerprint analysis. Journal of Raman Spectroscopy, 2017, 48, 943-950.	1.2	12
28	Single pixel quantification strategies using middle infrared hyperspectral imaging of lignocellulosic fibers and MCR-ALS analysis. Microchemical Journal, 2017, 134, 164-172.	2.3	7
29	Characterization of Gasoline by Raman Spectroscopy with Chemometric Analysis. Analytical Letters, 2017, 50, 1126-1138.	1.0	17
30	Application of Laserâ€Induced Breakdown Spectroscopy and Hyperspectral Images for Direct Evaluation of Chemical Elemental Profiles of Coprolites. Geostandards and Geoanalytical Research, 2017, 41, 273-282.	1.7	16
31	Validation of reference genes in leaf-cutting ant Atta sexdens rubropilosa in different developmental stages and tissues. International Journal of Environment Agriculture and Biotechnology, 2017, 2, 743-755.	0.0	8
32	Partial least squares model and design of experiments toward the analysis of the metabolome of Jatropha gossypifolia leaves: Extraction and chromatographic fingerprint optimization. Journal of Separation Science, 2016, 39, 1023-1030.	1.3	11
33	On Track for a Truly Green Propolisâ€”Fingerprinting Propolis Samples from Seven Countries by Means of a Fully Green Approach. ACS Sustainable Chemistry and Engineering, 2016, 4, 7110-7117.	3.2	13
34	Crystalline phase transition of ezetimibe in final product, after packing, promoted by the humidity of excipients: Monitoring and quantification by Raman spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2016, 121, 209-214.	1.4	21
35	Cluster analysis of commercial samples of Bauhinia spp. using HPLCâ€UV/PDA and MCRâ€ALS/PCA without peak alignment procedure. Phytochemical Analysis, 2015, 26, 367-373.	1.2	15
36	Ultrasound-assisted extraction method for the simultaneous determination of emerging contaminants in freshwater sediments. Journal of Separation Science, 2015, 38, 3454-3460.	1.3	18

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37	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
38	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.	2.3	1
39	Acetone as a greener alternative to acetonitrile in liquid chromatographic fingerprinting. Journal of Separation Science, 2015, 38, 1458-1465.	1.3	36
40	Monitoring of the crystallization of zeolite LTA using Raman and chemometric tools. Analyst, The, 2015, 140, 854-859.	1.7	16
41	Laser-induced breakdown spectroscopy (LIBS) combined with hyperspectral imaging for the evaluation of printed circuit board composition. Talanta, 2015, 134, 278-283.	2.9	53
42	1H qNMR and Chemometric Analyses of Urban Wastewater. Journal of the Brazilian Chemical Society, 2015, , .	0.6	1
43	Simultaneous Quantification of Three Polymorphic Forms of Carbamazepine in the Presence of Excipients Using Raman Spectroscopy. Molecules, 2014, 19, 14128-14138.	1.7	28
44	Simultaneous Quantification of Three Polymorphic Forms of Carbamazepine using Raman Spectroscopy and Multivariate Calibration. Analytical Letters, 2014, 47, 1043-1051.	1.0	9
45	Infrared imaging spectroscopy and chemometric tools for in situ analysis of an imiquimod pharmaceutical preparation presented as cream. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 215-220.	2.0	18
46	Green chromatographic fingerprinting: An environmentally friendly approach for the development of separation methods for fingerprinting complex matrices. Journal of Separation Science, 2014, 37, 37-44.	1.3	31
47	Electrical conductivity and emerging contaminant as markers of surface freshwater contamination by wastewater. Science of the Total Environment, 2014, 484, 19-26.	3.9	84
48	HPLC-DAD method for metabolic fingerprinting of the phenotyping of sugarcane genotypes. Analytical Methods, 2014, 6, 7781-7788.	1.3	17
49	Fast Determination of the Composition of Pretreated Sugarcane Bagasse Using Near-Infrared Spectroscopy. Bioenergy Research, 2014, 7, 1441-1453.	2.2	8
50	Optimization of Sample Preparation in the Determination of Minerals and Trace Elements in Honey by ICP-MS. Food Analytical Methods, 2014, 7, 1009-1015.	1.3	25
51	A trade off between separation, detection and sustainability in liquid chromatographic fingerprinting. Journal of Chromatography A, 2014, 1354, 34-42.	1.8	16
52	Optimization of SERS scattering by Ag-NPs-coated filter paper for quantification of nicotinamide in a cosmetic formulation. Talanta, 2014, 118, 353-358.	2.9	28
53	Evaluation of analytical tools and multivariate methods for quantification of co-former crystals in ibuprofen-nicotinamide co-crystals. Journal of Pharmaceutical and Biomedical Analysis, 2014, 89, 166-175.	1.4	42
54	Determination of acetylsalicylic acid in commercial tablets by SERS using silver nanoparticle-coated filter paper. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 107-111.	2.0	27

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55	Tracking the degradation of fresh orange juice and discrimination of orange varieties: An example of NMR in coordination with chemometrics analyses. Food Chemistry, 2014, 164, 446-453.	4.2	30
56	Simultaneous Degradation of Hexazinone and Diuron Herbicides by H2O2/UV and Toxicity Assessment. Journal of the Brazilian Chemical Society, 2014, , .	0.6	3
57	Application of the response surface and desirability design to the Lambda-cyhalothrin degradation using photo-Fenton reaction. Journal of Environmental Management, 2013, 118, 32-39.	3.8	25
58	Green Synthesis of Ibuprofenâ€“Nicotinamide Cocrystals and In-Line Evaluation by Raman Spectroscopy. Crystal Growth and Design, 2013, 13, 1510-1517.	1.4	56
59	Interval Multivariate Curve Resolution in the Dereplication of HPLCâ€“DAD Data from Jatropha gossypifolia. Phytochemical Analysis, 2013, 24, 401-406.	1.2	21
60	Chemical and antifungal investigations of six Lippia species (Verbenaceae) from Brazil. Food Chemistry, 2012, 135, 2086-2094.	4.2	43
61	A quantitative method using near infrared imaging spectroscopy for determination of surface composition of tablet dosage forms: an example of spirolactone tablets. Journal of the Brazilian Chemical Society, 2012, 23, 1570-1576.	0.6	5
62	Homogeneity study of ointment dosage forms by infrared imaging spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2012, 58, 42-48.	1.4	11
63	Evaluation of the number of factors needed for residual bilinearization in BLLS and UPLS models to achieve the second-order advantage. Chemometrics and Intelligent Laboratory Systems, 2010, 100, 99-109.	1.8	10
64	Multivariate curve resolution of pH gradient flow injection mixture analysis with correction of the Schlieren effect. Analyst, The, 2008, 133, 774.	1.7	14
65	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.	0.7	12
66	Application of genetic algorithm for selection of variables for the BLLS method applied to determination of pesticides and metabolites in wine. Analytica Chimica Acta, 2007, 595, 51-58.	2.6	19
67	MÃ©todos de gradiente para otimizaÃ§Ã£o simultÂ¢nea: estudo de casos de sistemas alimentares. Semina:Ciencias Agrarias, 2005, 26, 353.	0.1	4
68	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
69	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