

# Renato L Carneiro

## List of Publications by Year in descending order

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69  
papers

1,155  
citations

331259

21  
h-index

476904

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.	3.9	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.	1.4	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.	2.9	53
4	Chemical and antifungal investigations of six <i>Lippia</i> species (Verbenaceae) from Brazil. <i>Food Chemistry</i> , 2012, 135, 2086-2094.	4.2	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.	1.4	42
6	Acetone as a greener alternative to acetonitrile in liquid chromatographic fingerprinting. <i>Journal of Separation Science</i> , 2015, 38, 1458-1465.	1.3	36
7	Natural deep eutectic solvents and aqueous solutions as an alternative extraction media for propolis. <i>Food Research International</i> , 2019, 125, 108559.	2.9	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.	1.3	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.	4.2	30
10	Fluconazole: Synthesis and Structural Characterization of Four New Pharmaceutical Cocrystal Forms. <i>Crystal Growth and Design</i> , 2019, 19, 648-657.	1.4	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.	1.7	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.	2.9	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.	2.0	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.	2.7	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.	3.8	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.	1.3	25
17	Thermal Stability Assessment of Vegetable Oils by Raman Spectroscopy and Chemometrics. <i>Food Analytical Methods</i> , 2018, 11, 1969-1976.	1.3	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.	2.0	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.	4.2	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.	1.1	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.	1.2	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.	1.4	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.	2.6	19
24	Fluconazolium oxalate: synthesis and structural characterization of a highly soluble crystalline form. <i>CrystEngComm</i> , 2019, 21, 1114-1121.	1.3	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.	2.0	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.	1.3	18
27	HPLC-DAD method for metabolic fingerprinting of the phenotyping of sugarcane genotypes. <i>Analytical Methods</i> , 2014, 6, 7781-7788.	1.3	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.	2.0	17
29	Characterization of Gasoline by Raman Spectroscopy with Chemometric Analysis. <i>Analytical Letters</i> , 2017, 50, 1126-1138.	1.0	17
30	A trade off between separation, detection and sustainability in liquid chromatographic fingerprinting. <i>Journal of Chromatography A</i> , 2014, 1354, 34-42.	1.8	16
31	Monitoring of the crystallization of zeolite LTA using Raman and chemometric tools. <i>Analyst, The</i> , 2015, 140, 854-859.	1.7	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.	1.7	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.	1.2	15
34	Chemometrics Approaches in Forced Degradation Studies of Pharmaceutical Drugs. <i>Molecules</i> , 2019, 24, 3804.	1.7	15
35	Multivariate curve resolution of pH gradient flow injection mixture analysis with correction of the Schlieren effect. <i>Analyst, The</i> , 2008, 133, 774.	1.7	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.	3.2	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. <i>Brazilian Journal of Chemical Engineering</i> , 2007, 24, 337-349.	0.7	12
38	Thin-layer chromatography-enhanced surface-enhanced Raman spectroscopy and chemometric tools applied to <sc>Pilsner</sc> beer fingerprint analysis. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 943-950.	1.2	12
39	Fingerprinting <i>Cynara scolymus</i> L. (Artichoke) by Means of a Green Statistically Developed HPLC-PAD Method. <i>Food Analytical Methods</i> , 2018, 11, 1977-1985.	1.3	12
40	Combining natural deep eutectic solvent and microwave irradiation towards the eco-friendly and optimized extraction of bioactive phenolics from <i>Eugenia uniflora</i> L.. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 26, 100618.	1.6	12
41	Homogeneity study of ointment dosage forms by infrared imaging spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 58, 42-48.	1.4	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. <i>Journal of Separation Science</i> , 2016, 39, 1023-1030.	1.3	11
43	Evaluation of the number of factors needed for residual bilinearization in BLS and UPLS models to achieve the second-order advantage. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010, 100, 99-109.	1.8	10
44	Simultaneous Quantification of Three Polymorphic Forms of Carbamazepine using Raman Spectroscopy and Multivariate Calibration. <i>Analytical Letters</i> , 2014, 47, 1043-1051.	1.0	9
45	Fast Determination of the Composition of Pretreated Sugarcane Bagasse Using Near-Infrared Spectroscopy. <i>Bioenergy Research</i> , 2014, 7, 1441-1453.	2.2	8
46	Validation of reference genes in leaf-cutting ant <i>Atta sexdens rubropilosa</i> in different developmental stages and tissues. <i>International Journal of Environment Agriculture and Biotechnology</i> , 2017, 2, 743-755.	0.0	8
47	Single pixel quantification strategies using middle infrared hyperspectral imaging of lignocellulosic fibers and MCR-ALS analysis. <i>Microchemical Journal</i> , 2017, 134, 164-172.	2.3	7
48	Coupled monolithic columns as an alternative for the use of viscous ethanol-water mobile phases on chromatographic fingerprinting complex samples. <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 261-266.	0.6	7
49	Impact of Polymer Type on Thermal Degradation of Amorphous Solid Dispersions Containing Ritonavir. <i>Molecular Pharmaceutics</i> , 2022, 19, 332-344.	2.3	7
50	Application of a Quantitative HPLC-ESI-MS/MS Method for Flavonoids in Different Vegetables Matrices. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	6
51	A new approach for identifying antagonism among fungi species and antifungal activity. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 179, 112960.	1.4	6
52	A green and sustainable method for monitoring the chemical composition of soybean: an alternative for quality control. <i>Phytochemical Analysis</i> , 2021, 32, 562-574.	1.2	6
53	Design of experiments applied to stress testing of pharmaceutical products: A case study of Albendazole. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 165, 105939.	1.9	6
54	Mechanochemical synthesis and characterization of a novel AAs-Flucytosine drug-drug cocrystal: A versatile model system for green approaches. <i>Journal of Molecular Structure</i> , 2022, 1251, 132052.	1.8	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.	4.2	5
57	Synthesis and solid-state characterization of diclofenac imidazolium monohydrate: an imidazolium pharmaceutical ionic liquid. CrystEngComm, 2020, 22, 5345-5354.	1.3	4
58	MÃ©todos de gradiente para otimizaÃ§Ã£o simultÃ¢nea: estudo de casos de sistemas alimentares. Semina:Ciencias Agrarias, 2005, 26, 353.	0.1	4
59	Simultaneous Degradation of Hexazinone and Diuron Herbicides by H <sub>2</sub> O <sub>2</sub> /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.	1.8	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.	1.3	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.	1.4	2
63	Fruit quality parameters and volatile compounds from â€Palmerâ€™ mangoes with internal breakdown. Food Chemistry, 2022, 388, 132902.	4.2	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.	2.3	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.	2.3	1
66	<sup>1</sup> 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