

# Rubn M Maggio

## List of Publications by Citations

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49  
papers

1,452  
citations

20  
h-index

37  
g-index

49  
ext. papers

1,691  
ext. citations

4.7  
avg, IF

4.99  
L-index

#	Paper	IF	Citations
49	Use of principal component analysis (PCA) and hierarchical cluster analysis (HCA) for multivariate association between bioactive compounds and functional properties in foods: A critical perspective. <i>Trends in Food Science and Technology</i> , <b>2018</b> , 72, 83-90	15.3	329
48	Monitoring of fatty acid composition in virgin olive oil by Fourier transformed infrared spectroscopy coupled with partial least squares. <i>Food Chemistry</i> , <b>2009</b> , 114, 1549-1554	8.5	129
47	A novel chemometric strategy for the estimation of extra virgin olive oil adulteration with edible oils. <i>Food Control</i> , <b>2010</b> , 21, 890-895	6.2	114
46	Chemometric applications to assess quality and critical parameters of virgin and extra-virgin olive oil. A review. <i>Analytica Chimica Acta</i> , <b>2016</b> , 913, 1-21	6.6	112
45	Pharmaceutical impurities and degradation products: uses and applications of NMR techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 101, 102-22	3.5	52
44	Four-way kinetic-excitation-emission fluorescence data processed by multi-way algorithms. Determination of carbaryl and 1-naphthol in water samples in the presence of fluorescent interferents. <i>Analytica Chimica Acta</i> , <b>2010</b> , 677, 97-107	6.6	46
43	Unfolded partial least-squares with residual quadrilinearization: A new multivariate algorithm for processing five-way data achieving the second-order advantage. Application to fourth-order excitation-emission-kinetic-pH fluorescence analytical data. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2011</b> , 109, 178-185	3.8	39
42	Rapid FTIR determination of water, phenolics and antioxidant activity of olive oil. <i>European Journal of Lipid Science and Technology</i> , <b>2010</b> , 112, 1150-1157	3	39
41	A new principal component analysis-based approach for testing "similarity" of drug dissolution profiles. <i>European Journal of Pharmaceutical Sciences</i> , <b>2008</b> , 34, 66-77	5.1	39
40	Practical and regulatory considerations for stability-indicating methods for the assay of bulk drugs and drug formulations. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 49, 57-70	14.6	36
39	Discrimination of grated cheeses by Fourier transform infrared spectroscopy coupled with chemometric techniques. <i>International Dairy Journal</i> , <b>2012</b> , 23, 115-120	3.5	30
38	A dynamic thermal ATR-FTIR/chemometric approach to the analysis of polymorphic interconversions. Cimetidine as a model drug. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 92, 90-7	3.5	28
37	A spectroscopic and chemometric study of virgin olive oils subjected to thermal stress. <i>Food Chemistry</i> , <b>2011</b> , 127, 216-221	8.5	28
36	Application of partial least square regression to differential scanning calorimetry data for fatty acid quantitation in olive oil. <i>Food Chemistry</i> , <b>2011</b> , 127, 1899-1904	8.5	27
35	Chemometrics-assisted solid-state characterization of pharmaceutically relevant materials. Polymorphic substances. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 147, 518-537	3.5	26
34	Characterization of pharmaceutically relevant materials at the solid state employing chemometrics methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 147, 538-564	3.5	26
33	Mebendazole crystal forms in tablet formulations. An ATR-FTIR/chemometrics approach to polymorph assignment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 122, 157-65	3.5	22

32	A multivariate approach for the simultaneous determination of losartan potassium and hydrochlorothiazide in a combined pharmaceutical tablet formulation. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 2949-55	4.4	22
31	Multivariate curve-resolution analysis of pesticides in water samples from liquid chromatographic-diode array data. <i>Talanta</i> , <b>2011</b> , 83, 1173-80	6.2	21
30	Fluorescence enhancement of Carbendazim in the presence of cyclodextrins and micellar media: a reappraisal. <i>Applied Spectroscopy</i> , <b>2005</b> , 59, 873-80	3.1	20
29	Simultaneous acquisition of the dissolution curves of two active ingredients in a binary pharmaceutical association, employing an on-line circulation system and chemometrics-assistance. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 72, 51-8	3.5	19
28	Assessment of mefenamic acid polymorphs in commercial tablets using chemometric coupled to MIR and NIR spectroscopies. Prediction of dissolution performance. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 149, 603-611	3.5	19
27	Detection of low-quality extra virgin olive oils by fatty acid alkyl esters evaluation: a preliminary and fast mid-infrared spectroscopy discrimination by a chemometric approach. <i>International Journal of Food Science and Technology</i> , <b>2013</b> , 48, 548-555	3.8	18
26	A PCA-based chemometrics-assisted ATR-FTIR approach for the classification of polymorphs of cimetidine: application to physical mixtures and tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 107, 419-25	3.5	18
25	Influence of chemical composition of olive oil on the development of volatile compounds during frying. <i>European Food Research and Technology</i> , <b>2009</b> , 230, 217-229	3.4	17
24	PCA-CR analysis of dissolution profiles. A chemometric approach to probe the polymorphic form of the active pharmaceutical ingredient in a drug product. <i>International Journal of Pharmaceutics</i> , <b>2009</b> , 378, 187-93	6.5	16
23	Application of Differential Scanning Calorimetry-Chemometric Coupled Procedure to the Evaluation of Thermo-Oxidation on Extra Virgin Olive Oil. <i>Food Biophysics</i> , <b>2012</b> , 7, 114-123	3.2	14
22	Fourier transform infrared spectroscopy/Partial Least Squares (FTIR/PLS) coupled procedure application for the evaluation of fly attack on olive oil quality. <i>LWT - Food Science and Technology</i> , <b>2013</b> , 50, 153-159	5.4	14
21	Alternative and improved method for the simultaneous determination of fexofenadine and pseudoephedrine in their combined tablet formulation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 45, 804-10	3.5	14
20	PLS and first derivative of ratio spectra methods for determination of hydrochlorothiazide and propranolol hydrochloride in tablets. <i>Analytical and Bioanalytical Chemistry</i> , <b>2006</b> , 386, 2239-44	4.4	14
19	Study of the influence of triacylglycerol composition on DSC cooling curves of extra virgin olive oil by chemometric data processing. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 115, 2037-2044	4.1	13
18	Application of a chemometric method for simultaneous determination of acetaminophen and diclofenac in content-uniformity and drug-dissolution studies. <i>Analytical and Bioanalytical Chemistry</i> , <b>2005</b> , 382, 1711-4	4.4	13
17	Why should the pharmaceutical industry claim for the implementation of second-order chemometric models-A critical review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 179, 1129-35	3.5	12
16	Determination of the main solid-state form of albendazole in bulk drug, employing Raman spectroscopy coupled to multivariate analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 129, 190-197	3.5	11
15	Thermally induced solid-state transformation of cimetidine. A multi-spectroscopic/chemometrics determination of the kinetics of the process and structural elucidation of one of the products as a stable N3-enamino tautomer. <i>Analytica Chimica Acta</i> , <b>2015</b> , 875, 22-32	6.6	9

14	An eco-friendly strategy, using on-line monitoring and dilution coupled to a second-order chemometric method, for the construction of dissolution curves of combined pharmaceutical associations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 89, 213-20	3.5	7
13	Preparation and Physical Characterization of a Diclofenac-Ranitidine Co-precipitate for Improving the Dissolution of Diclofenac. <i>Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 105, 1258-68	3.9	6
12	Preliminary Discrimination of Butter Adulteration by ATR-FTIR Spectroscopy. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Food Science and Technology</i> , <b>2015</b> , 72,	0.8	6
11	Chemometric study of the excipients influence on polymorphic-behavior. Mefenamic acid as case of study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 170, 8-15	3.5	5
10	Chemometrics-assisted study of the interconversion between the crystalline forms of nimodipine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 158, 461-470	3.5	5
9	A comprehensive approach toward concomitant triclabendazole polymorphism in pharmaceutical products. <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 62, 102386	4.5	4
8	Development and validation of a green method for dissolution monitoring of pharmaceutical combinations. Meloxicam and pridinol. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 170, 228-233	3.5	3
7	Preparation and characterization of a new solid form of praziquantel, an essential anthelmintic drug. Praziquantel racemic monohydrate. <i>European Journal of Pharmaceutical Sciences</i> , <b>2020</b> , 146, 105267	5.1	3
6	Preliminary Discrimination of Cheese Adulteration by FT-IR Spectroscopy. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Food Science and Technology</i> , <b>2014</b> , 71,	0.8	3
5	Dual approach for concomitant monitoring of dissolution and transformation at solid-state. Mebendazole salts case study. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 55, 101344	4.5	2
4	Tackling quantitative polymorphic analysis through fixed-dose combination tablets production. Pyrazinamide polymorphic assessment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 194, 113786	3.5	1
3	Unveiling meloxicam monohydrate process of dehydration by an at-line vibrational multi-spectroscopy approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 202, 114164	3.5	1
2	Development of a general strategy for the quantification of pseudopolymorphs: analysis of cefadroxil monohydrate in commercial products. <i>Journal of Pharmaceutical Investigation</i> , <b>2020</b> , 50, 425-433	6.3	
1	A comparative approach of MIR, NIR and Raman based chemometric strategies for quantification of Form I of Meloxicam in commercial bulk drug. <i>Microchemical Journal</i> , <b>2022</b> , 107575	4.8	