

Rub n M Maggio

List of Publications by Year in descending order

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49
papers

1,953
citations

331259

21
h-index

253896

43
g-index

49
all docs

49
docs citations

49
times ranked

2684
citing authors

#	ARTICLE	IF	CITATIONS
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> , 2022, 180, 107575.	2.3	2
2	Tackling quantitative polymorphic analysis through fixed-dose combination tablets production. Pyrazinamide polymorphic assessment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 194, 113786.	1.4	1
3	A comprehensive approach toward concomitant triclofenol polymorphism in pharmaceutical products. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 62, 102386.	1.4	4
4	Unveiling meloxicam monohydrate process of dehydration by an at-line vibrational multi-spectroscopy approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 202, 114164.	1.4	2
5	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> , 2020, 179, 112965.	1.4	16
6	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> , 2020, 55, 101344.	1.4	4
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> , 2020, 146, 105267.	1.9	13
8	Development of a general strategy for the quantification of pseudopolymorphs: analysis of cefadroxil monohydrate in commercial products. <i>Journal of Pharmaceutical Investigation</i> , 2020, 50, 425-433.	2.7	0
9	Chemometric study of the excipients' influence on polymorphic-behavior. Mefenamic acid as case of study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 170, 8-15.	1.4	9
10	Development and validation of a green method for dissolution monitoring of pharmaceutical combinations. Meloxicam and pridinol. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 170, 228-233.	1.4	5
11	Chemometrics-assisted solid-state characterization of pharmaceutically relevant materials. Polymorphic substances. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 518-537.	1.4	33
12	Characterization of pharmaceutically relevant materials at the solid state employing chemometrics methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 538-564.	1.4	35
13	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> , 2018, 72, 83-90.	7.8	596
14	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> , 2018, 149, 603-611.	1.4	22
15	Chemometrics-assisted study of the interconversion between the crystalline forms of nimodipine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 158, 461-470.	1.4	9
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> , 2016, 129, 190-197.	1.4	13
17	Chemometric applications to assess quality and critical parameters of virgin and extra-virgin olive oil. A review. <i>Analytica Chimica Acta</i> , 2016, 913, 1-21.	2.6	135
18	Mebendazole crystal forms in tablet formulations. An ATR-FTIR/chemometrics approach to polymorph assignment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 122, 157-165.	1.4	31

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19	Preparation and Physical Characterization of a Diclofenac-Ranitidine Co-precipitate for Improving the Dissolution of Diclofenac. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1258-1268.	1.6	11
20	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> , 2015, 72, .	0.1	7
21	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> , 2015, 107, 419-425.	1.4	19
22	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> , 2015, 875, 22-32.	2.6	12
23	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> , 2014, 71, .	0.1	4
24	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> , 2014, 89, 213-220.	1.4	8
25	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> , 2014, 115, 2037-2044.	2.0	18
26	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> , 2014, 92, 90-97.	1.4	31
27	Pharmaceutical impurities and degradation products: Uses and applications of NMR techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 101, 102-122.	1.4	68
28	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> , 2013, 72, 51-58.	1.4	20
29	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> , 2013, 48, 548-555.	1.3	20
30	Practical and regulatory considerations for stability-indicating methods for the assay of bulk drugs and drug formulations. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 49, 57-70.	5.8	49
31	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> , 2013, 50, 153-159.	2.5	18
32	Discrimination of grated cheeses by Fourier transform infrared spectroscopy coupled with chemometric techniques. <i>International Dairy Journal</i> , 2012, 23, 115-120.	1.5	40
33	Application of Differential Scanning Calorimetry-Chemometric Coupled Procedure to the Evaluation of Thermo-Oxidation on Extra Virgin Olive Oil. <i>Food Biophysics</i> , 2012, 7, 114-123.	1.4	19
34	Multivariate curve-resolution analysis of pesticides in water samples from liquid chromatographic-diode array data. <i>Talanta</i> , 2011, 83, 1173-1180.	2.9	22
35	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> , 2011, 109, 178-185.	1.8	47
36	A spectroscopic and chemometric study of virgin olive oils subjected to thermal stress. <i>Food Chemistry</i> , 2011, 127, 216-221.	4.2	29

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37	Application of partial least square regression to differential scanning calorimetry data for fatty acid quantitation in olive oil. <i>Food Chemistry</i> , 2011, 127, 1899-1904.	4.2	30
38	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> , 2010, 677, 97-107.	2.6	47
39	Rapid FTIR determination of water, phenolics and antioxidant activity of olive oil. <i>European Journal of Lipid Science and Technology</i> , 2010, 112, 1150-1157.	1.0	46
40	A novel chemometric strategy for the estimation of extra virgin olive oil adulteration with edible oils. <i>Food Control</i> , 2010, 21, 890-895.	2.8	126
41	Influence of chemical composition of olive oil on the development of volatile compounds during frying. <i>European Food Research and Technology</i> , 2009, 230, 217-229.	1.6	19
42	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> , 2009, 378, 187-193.	2.6	17
43	Monitoring of fatty acid composition in virgin olive oil by Fourier transformed infrared spectroscopy coupled with partial least squares. <i>Food Chemistry</i> , 2009, 114, 1549-1554.	4.2	146
44	A multivariate approach for the simultaneous determination of losartan potassium and hydrochlorothiazide in a combined pharmaceutical tablet formulation. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2949-2955.	1.9	25
45	A new principal component analysis-based approach for testing "similarity" of drug dissolution profiles. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 34, 66-77.	1.9	51
46	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> , 2007, 45, 804-810.	1.4	20
47	PLS and first derivative of ratio spectra methods for determination of hydrochlorothiazide and propranolol hydrochloride in tablets. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 2239-2244.	1.9	15
48	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> , 2005, 382, 1711-1714.	1.9	14
49	Fluorescence Enhancement of Carbendazim in the Presence of Cyclodextrins and Micellar Media: A Reappraisal. <i>Applied Spectroscopy</i> , 2005, 59, 873-880.	1.2	25