

Marcelo M Sena

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66
papers

1,429
citations

23
h-index

35
g-index

69
ext. papers

1,628
ext. citations

4.3
avg, IF

4.79
L-index

#	Paper	IF	Citations
66	Development and analytical validation of a screening method for simultaneous detection of five adulterants in raw milk using mid-infrared spectroscopy and PLS-DA. <i>Food Chemistry</i> , 2015 , 181, 31-7	8.5	139
65	N-way PLS applied to simultaneous spectrophotometric determination of acetylsalicylic acid, paracetamol and caffeine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 34, 27-34	3.5	76
64	Development and analytical validation of a multivariate calibration method for determination of amoxicillin in suspension formulations by near infrared spectroscopy. <i>Talanta</i> , 2012 , 89, 342-51	6.2	68
63	Detection and characterisation of frauds in bovine meat in natura by non-meat ingredient additions using data fusion of chemical parameters and ATR-FTIR spectroscopy. <i>Food Chemistry</i> , 2016 , 205, 14-22	8.5	67
62	Direct determination of diclofenac in pharmaceutical formulations containing B vitamins by using UV spectrophotometry and partial least squares regression. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 36, 743-9	3.5	63
61	Application of two- and three-way chemometric methods in the study of acetylsalicylic acid and ascorbic acid mixtures using ultraviolet spectrophotometry. <i>Analytica Chimica Acta</i> , 2000 , 409, 159-170	6.6	63
60	The unimolecular dissociation of the molecular ion of acetophenone induced by thermal radiation. <i>Rapid Communications in Mass Spectrometry</i> , 1994 , 8, 1031-1034	2.2	62
59	Paper spray mass spectrometry and PLS-DA improved by variable selection for the forensic discrimination of beers. <i>Analytica Chimica Acta</i> , 2016 , 940, 104-12	6.6	49
58	Combining standard addition method and second-order advantage for direct determination of salicylate in undiluted human plasma by spectrofluorimetry. <i>Talanta</i> , 2006 , 68, 1707-12	6.2	46
57	Development and validation of a chemometric method for direct determination of hydrochlorothiazide in pharmaceutical samples by diffuse reflectance near infrared spectroscopy. <i>Microchemical Journal</i> , 2013 , 109, 158-164	4.8	44
56	Speciation of aqueous chromium(VI) solutions with the aid of Q-mode factor analysis followed by oblique projection. <i>Talanta</i> , 2000 , 53, 453-61	6.2	44
55	Analysis of seized cocaine samples by using chemometric methods and FTIR spectroscopy. <i>Journal of the Brazilian Chemical Society</i> , 2013 , 24, 507-517	1.5	44
54	Evaluation of transformer insulating oil quality using NIR, fluorescence, and NMR spectroscopic data fusion. <i>Talanta</i> , 2014 , 129, 143-9	6.2	31
53	Paper spray mass spectrometry and chemometric tools for a fast and reliable identification of counterfeit blended Scottish whiskies. <i>Food Chemistry</i> , 2017 , 237, 1058-1064	8.5	30
52	Determination of main fruits in adulterated nectars by ATR-FTIR spectroscopy combined with multivariate calibration and variable selection methods. <i>Food Chemistry</i> , 2018 , 254, 272-280	8.5	30
51	Direct determination of propranolol in urine by spectrofluorimetry with the aid of second order advantage. <i>Analytica Chimica Acta</i> , 2007 , 595, 282-8	6.6	30
50	Development and analytical validation of a simple multivariate calibration method using digital scanner images for sunset yellow determination in soft beverages. <i>Food Chemistry</i> , 2014 , 159, 175-80	8.5	29

49	Detection of adulterants in grape nectars by attenuated total reflectance Fourier-transform mid-infrared spectroscopy and multivariate classification strategies. <i>Food Chemistry</i> , 2018 , 266, 254-261	8.5	28
48	Development and Analytical Validation of Robust Near-Infrared Multivariate Calibration Models for the Quality Inspection Control of Mozzarella Cheese. <i>Food Analytical Methods</i> , 2013 , 6, 881-891	3.4	28
47	Avaliaço do uso de mtodos quimiomtricos em anlise de solos. <i>Quimica Nova</i> , 2000 , 23, 547-556	1.6	26
46	Use of NIRS to predict composition and bioethanol yield from cell wall structural components of sweet sorghum biomass. <i>Microchemical Journal</i> , 2014 , 117, 194-201	4.8	25
45	Combining mid infrared spectroscopy and paper spray mass spectrometry in a data fusion model to predict the composition of coffee blends. <i>Food Chemistry</i> , 2019 , 281, 71-77	8.5	25
44	Paper Spray Mass Spectrometry for the Forensic Analysis of Black Ballpoint Pen Inks. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1965-1976	3.5	24
43	Screening method for rapid classification of psychoactive substances in illicit tablets using mid infrared spectroscopy and PLS-DA. <i>Forensic Science International</i> , 2018 , 288, 227-235	2.6	23
42	Calibration transfer from powder mixtures to intact tablets: A new use in pharmaceutical analysis for a known tool. <i>Talanta</i> , 2016 , 147, 351-7	6.2	22
41	Variable selection for multivariate classification aiming to detect individual adulterants and their blends in grape nectars. <i>Talanta</i> , 2018 , 190, 55-61	6.2	18
40	Variable Selection Applied to the Development of a Robust Method for the Quantification of Coffee Blends Using Mid Infrared Spectroscopy. <i>Food Analytical Methods</i> , 2018 , 11, 578-588	3.4	16
39	Electrospray ionization mass spectrometry and partial least squares discriminant analysis applied to the quality control of olive oil. <i>Journal of Mass Spectrometry</i> , 2013 , 48, 1109-15	2.2	16
38	Determination of allura red dye in hard candies by using digital images obtained with a mobile phone and N-PLS. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017 , 167, 44-49	3.8	15
37	Direct classification of new psychoactive substances in seized blotter papers by ATR-FTIR and multivariate discriminant analysis. <i>Microchemical Journal</i> , 2017 , 133, 96-103	4.8	15
36	Determination of interfacial tension of insulating oils by using image analysis and multi-way calibration. <i>Microchemical Journal</i> , 2010 , 96, 42-45	4.8	15
35	PARAFAC: uma ferramenta quimiomtrica para tratamento de dados multidimensionais. Aplicaes na determinao direta de frmacos em plasma humano por espectrofluorimetria. <i>Quimica Nova</i> , 2005 , 28, 910-920	1.6	15
34	Raman spectroscopy and discriminant analysis applied to the detection of frauds in bovine meat by the addition of salts and carrageenan. <i>Microchemical Journal</i> , 2019 , 147, 582-589	4.8	13
33	Non-destructive screening method for detecting the presence of insects in sorghum grains using near infrared spectroscopy and discriminant analysis. <i>Microchemical Journal</i> , 2019 , 149, 104057	4.8	13
32	Direct determination of trans-resveratrol in human plasma by spectrofluorimetry and second-order standard addition. <i>Talanta</i> , 2010 , 82, 640-5	6.2	13

31	Forensic discrimination between authentic and counterfeit perfumes using paper spray mass spectrometry and multivariate supervised classification. <i>Analytical Methods</i> , 2017 , 9, 4979-4987	3.2	12
30	Implementa de um modo robusto para o controle fiscal de umidade em queijo minas artesanal. Abordagem metrolica multivariada. <i>Quimica Nova</i> , 2013 , 36, 1416-1422	1.6	11
29	Discrimination between conventional and omega-3 fatty acids enriched eggs by FT-Raman spectroscopy and chemometric tools. <i>Food Chemistry</i> , 2019 , 273, 144-150	8.5	11
28	Amino Acid Biosignature in Plasma among Ischemic Stroke Subtypes. <i>BioMed Research International</i> , 2019 , 2019, 8480468	3	10
27	Multivariate calibration applied to ESI mass spectrometry data: a tool to quantify adulteration in extra virgin olive oil with inexpensive edible oils. <i>Analytical Methods</i> , 2014 , 6, 7502-7509	3.2	10
26	Comparison of Different Multivariate Classification Methods for the Detection of Adulterations in Grape Nectars by Using Low-Field Nuclear Magnetic Resonance. <i>Food Analytical Methods</i> , 2020 , 13, 108-118	3.1	10
25	A data fusion model merging information from near infrared spectroscopy and X-ray fluorescence. Searching for atomic-molecular correlations to predict and characterize the composition of coffee blends. <i>Food Chemistry</i> , 2020 , 325, 126953	8.5	9
24	Chemometric quality inspection control of pyrantel pamoate, febantel and praziquantel in veterinary tablets by mid infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 125, 396-403	4.4	9
23	Development and validation of a multivariate calibration model for determination of dipyrone in oral solutions by near infrared spectroscopy. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 1680-1686	1.5	8
22	Fluorescence Piroxicam Study in the Presence of Cyclodextrins by Using the PARAFAC Method. <i>Applied Spectroscopy</i> , 1999 , 53, 510-522	3.1	8
21	A quantum chemical and chemometrical study of indolo[2,1-b]quinazoline and their analogues with cytotoxic activity against breast cancer cells. <i>SAR and QSAR in Environmental Research</i> , 2009 , 20, 537-49	3.5	7
20	Determina espectrofotomica simultnea de paracetamol e ibuprofeno em formulaes farmacuticas usando calibra multivariada. <i>Quimica Nova</i> , 2007 , 30, 75-79	1.6	7
19	Anlise integrada de sistemas de produ de tomateiro com base em indicadores edafobiolgicos. <i>Horticultura Brasileira</i> , 2007 , 25, 60-67	0.9	7
18	A soft discriminant model based on mid-infrared spectra of bovine meat purges to detect economic motivated adulteration by the addition of non-meat ingredients. <i>Food Analytical Methods</i> , 2020 , 13, 1699-1709	4.709 ⁶	
17	Aplica de modos quimiomtricos na especia de Cr(VI) em solu aquosa. <i>Quimica Nova</i> , 2001 , 24, 331-338	1.6	6
16	Use of Near-Infrared Spectroscopy, Partial Least-Squares, and Ordered Predictors Selection To Predict Four Quality Parameters of Sweet Sorghum Juice Used To Produce Bioethanol. <i>Energy & Fuels</i> , 2016 , 30, 4137-4144	4.1	6
15	Exploratory analysis of Lkov platform surfaces for electrothermal atomic absorption spectrometry by using three-way chemometric tools. <i>Analytica Chimica Acta</i> , 2003 , 495, 177-193	6.6	5
14	Development of a Simple and Rapid Method for Color Determination in Beers Using Digital Images. <i>Food Analytical Methods</i> , 2020 , 13, 303-312	3.4	5

13	Analysis of Seized Cocaine Samples by using Chemometric Methods and FTIR Spectroscopy. <i>Journal of the Brazilian Chemical Society</i> , 2013 ,	1.5	2
12	Development and Validation of a Multivariate Calibration Method for Determining Interfacial Tension of Transformers Insulating Oils by near Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2011 , 19, 243-251	1.5	2
11	Comparison between Ultraviolet and Infrared Spectroscopies for the Simultaneous Multivariate Determination of Pyrantel and Praziquantel. <i>Journal of the Brazilian Chemical Society</i> , 2015 ,	1.5	2
10	A fast and effective approach for the discrimination of garlic origin using wooden-tip electrospray ionization mass spectrometry and multivariate classification. <i>Talanta</i> , 2021 , 230, 122304	6.2	2
9	Detection of adulterations in a valuable Brazilian honey by using spectrofluorimetry and multiway classification. <i>Food Chemistry</i> , 2022 , 370, 131064	8.5	2
8	A tribute to Professor Ronei J. Poppi, a pioneer of multivariate calibration in South America and a prolific mentor of chemometricians in Brazil. <i>Journal of Chemometrics</i> , 2020 , 34, e3284	1.6	1
7	Chemometrics in Forensics 2020 , 113-148		1
6	Monitoring biodiesel and its intermediates in transesterification reactions with multivariate curve resolution alternating least squares calibration models. <i>Fuel</i> , 2021 , 283, 119275	7.1	1
5	Determination of Alcohol Content in Beers of Different Styles Based on Portable Near-Infrared Spectroscopy and Multivariate Calibration. <i>Food Analytical Methods</i> ,1	3.4	1
4	Screening method for the rapid detection of diethylene glycol in beer based on chemometrics and portable near-infrared spectroscopy. <i>Food Chemistry</i> , 2022 , 391, 133258	8.5	1
3	Spectrofluorimetric Determination of Phenylalanine in Honey by the Combination of Standard Addition Method and Second-Order Advantage. <i>Food Analytical Methods</i> ,1	3.4	0
2	Chemometrics in Bioanalytical Chemistry 2022 , 497-541		0
1	Screening Method for the Detection of Other Allergenic Nuts in Cashew Nuts Using Chemometrics and a Portable Near-Infrared Spectrophotometer. <i>Food Analytical Methods</i> ,1	3.4	0