

Ricard Boqu

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

2,425
citations

26
h-index

48
g-index

73
ext. papers

2,725
ext. citations

5.2
avg, IF

4.87
L-index

#	Paper	IF	Citations
70	Unravelling error sources in miniaturized NIR spectroscopic measurements: The case study of forages.. <i>Analytica Chimica Acta</i> , 2022 , 1211, 339900	6.6	1
69	Measurement Strategies for the Classification of Edible Oils Using Low-Cost Miniaturised Portable NIR Instruments. <i>Foods</i> , 2021 , 10,	4.9	4
68	ATR-MIR spectroscopy as a process analytical technology in wine alcoholic fermentation IIA tutorial. <i>Microchemical Journal</i> , 2021 , 166, 106215	4.8	4
67	Spectroscopic fingerprinting and chemometrics for the discrimination of Italian Emmer landraces. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021 , 215, 104348	3.8	2
66	Quantitation of endogenous amount of ethanol, methanol and acetaldehyde in ripe fruits of different Spanish olive varieties. <i>Journal of the Science of Food and Agriculture</i> , 2020 , 100, 3173-3181	4.3	3
65	Estimating Sensory Properties with Near-Infrared Spectroscopy: A Tool for Quality Control and Breeding of Calabots (Allium cepa L.). <i>Agronomy</i> , 2020 , 10, 828	3.6	1
64	FT-NIRS Coupled with PLS Regression as a Complement to HPLC Routine Analysis of Caffeine in Tea Samples. <i>Foods</i> , 2020 , 9,	4.9	4
63	Fast detection and quantification of pork meat in other meats by reflectance FT-NIR spectroscopy and multivariate analysis. <i>Meat Science</i> , 2020 , 163, 108084	6.4	14
62	Rapid Analysis of Milk Using Low-Cost Pocket-Size NIR Spectrometers and Multivariate Analysis. <i>Foods</i> , 2020 , 9,	4.9	18
61	ATR-MIR spectroscopy and multivariate analysis in alcoholic fermentation monitoring and lactic acid bacteria spoilage detection. <i>Food Control</i> , 2020 , 109, 106947	6.2	10
60	Robust Fourier transformed infrared spectroscopy coupled with multivariate methods for detection and quantification of urea adulteration in fresh milk samples. <i>Food Science and Nutrition</i> , 2020 , 8, 5249-5258	3.2	7
59	Development of a methodology to analyze leaves from Prunus dulcis varieties using near infrared spectroscopy. <i>Talanta</i> , 2019 , 204, 320-328	6.2	9
58	Data Fusion Strategies in Food Analysis. <i>Data Handling in Science and Technology</i> , 2019 , 271-310	2.7	19
57	Early detection of undesirable deviations in must fermentation using a portable FTIR-ATR instrument and multivariate analysis. <i>Journal of Chemometrics</i> , 2019 , 33, e3162	1.6	2
56	Multivariate Classification of Prunus Dulcis Varieties using Leaves of Nursery Plants and Near Infrared Spectroscopy. <i>Scientific Reports</i> , 2019 , 9, 19810	4.9	7
55	Determination of chemical properties in 'calb't' (Allium cepa L.) by near infrared spectroscopy and multivariate calibration. <i>Food Chemistry</i> , 2018 , 262, 178-183	8.5	11
54	Sensory Analysis 2017 , 377-391		

53	Detection and estimation of Super premium 95 gasoline adulteration with Premium 91 gasoline using new NIR spectroscopy combined with multivariate methods. <i>Fuel</i> , 2017 , 197, 388-396	7.1	24
52	Near-Infrared Spectroscopy Coupled with Multivariate Methods for the Characterization of Ethanol Adulteration in Premium 91 Gasoline. <i>Energy & Fuels</i> , 2017 , 31, 7591-7597	4.1	2
51	Authentication of whisky due to its botanical origin and way of production by instrumental analysis and multivariate classification methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 173, 849-853	4.4	20
50	Development of new NIR-spectroscopy method combined with multivariate analysis for detection of adulteration in camel milk with goat milk. <i>Food Chemistry</i> , 2017 , 221, 746-750	8.5	56
49	Emerging Needle Blight Diseases in Atlantic Pinus Ecosystems of Spain. <i>Forests</i> , 2017 , 8, 18	2.8	21
48	Olive oil sensory defects classification with data fusion of instrumental techniques and multivariate analysis (PLS-DA). <i>Food Chemistry</i> , 2016 , 203, 314-322	8.5	65
47	Prediction of olive oil sensory descriptors using instrumental data fusion and partial least squares (PLS) regression. <i>Talanta</i> , 2016 , 155, 116-23	6.2	32
46	Determination of sucrose in date fruits (<i>Phoenix dactylifera</i> L.) growing in the Sultanate of Oman by NIR spectroscopy and multivariate calibration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 150, 170-4	4.4	11
45	Data fusion methodologies for food and beverage authentication and quality assessment - a review. <i>Analytica Chimica Acta</i> , 2015 , 891, 1-14	6.6	383
44	Identification of olive oil sensory defects by multivariate analysis of mid infrared spectra. <i>Food Chemistry</i> , 2015 , 187, 197-203	8.5	27
43	A novel approach to discriminate transgenic from non-transgenic soybean oil using FT-MIR and chemometrics. <i>Food Research International</i> , 2015 , 67, 206-211	7	17
42	Thermal oxidation process accelerates degradation of the olive oil mixed with sunflower oil and enables its discrimination using synchronous fluorescence spectroscopy and chemometric analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 143, 298-303	4.4	17
41	Fast and robust discrimination of almonds (<i>Prunus amygdalus</i>) with respect to their bitterness by using near infrared and partial least squares-discriminant analysis. <i>Food Chemistry</i> , 2014 , 153, 15-9	8.5	39
40	Classification of soil samples based on Raman spectroscopy and X-ray fluorescence spectrometry combined with chemometric methods and variable selection. <i>Analytical Methods</i> , 2014 , 6, 8930-8939	3.2	14
39	Rapid characterization of transgenic and non-transgenic soybean oils by chemometric methods using NIR spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 100, 115-9	4.4	77
38	Classification of edible oils and modeling of their physico-chemical properties by chemometric methods using mid-IR spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 100, 109-14	4.4	28
37	Establishment of multivariate specifications for food commodities with discriminant partial least squares. <i>Talanta</i> , 2010 , 83, 475-81	6.2	2
36	Multi-class classification with probabilistic discriminant partial least squares (p-DPLS). <i>Analytica Chimica Acta</i> , 2010 , 664, 27-33	6.6	9

35	Bagged k-nearest neighbours classification with uncertainty in the variables. <i>Analytica Chimica Acta</i> , 2009 , 646, 62-8	6.6	9
34	Calculation of the reliability of classification in discriminant partial least-squares binary classification. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009 , 95, 122-128	3.8	114
33	Classification from microarray data using probabilistic discriminant partial least squares with reject option. <i>Talanta</i> , 2009 , 80, 321-8	6.2	14
32	Calculation of the probability of correct classification in probabilistic bagged k-Nearest Neighbours. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008 , 94, 51-59	3.8	3
31	Uncertainty estimation and figures of merit for multivariate calibration (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2006 , 78, 633-661	2.1	265
30	Application of non-negative matrix factorization combined with Fisher's linear discriminant analysis for classification of olive oil excitation-emission fluorescence spectra. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006 , 81, 94-106	3.8	36
29	On the calculation of decision limits in doping control. <i>Accreditation and Quality Assurance</i> , 2006 , 11, 536-538	0.7	8
28	Excitation-emission fluorescence spectroscopy combined with three-way methods of analysis as a complementary technique for olive oil characterization. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 9319-28	5.7	38
27	Electronic noses in the quality control of alcoholic beverages. <i>TrAC - Trends in Analytical Chemistry</i> , 2005 , 24, 57-66	14.6	81
26	Rapid detection of olive pomace oil adulteration in extra virgin olive oils from the protected denomination of origin Biurana using excitation-emission fluorescence spectroscopy and three-way methods of analysis. <i>Analytica Chimica Acta</i> , 2005 , 544, 143-152	6.6	105
25	Determination of ageing time of spirits in oak barrels using a headspace-mass spectrometry (HS-MS) electronic nose system and multivariate calibration. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 440-3	4.4	16
24	Uncertainty in aflatoxin B1 analysis using information from proficiency tests. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 1562-6	4.4	16
23	Application of unfold principal component analysis and parallel factor analysis to the exploratory analysis of olive oils by means of excitation-emission matrix fluorescence spectroscopy. <i>Analytica Chimica Acta</i> , 2004 , 515, 75-85	6.6	112
22	Cluster analysis applied to the exploratory analysis of commercial spanish olive oils by means of excitation-emission fluorescence spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 6673-9	5.7	42
21	Limits of detection in linear regression with errors in the concentration. <i>Journal of Chemometrics</i> , 2003 , 17, 413-421	1.6	15
20	Influence of selectivity and sensitivity parameters on detection limits in multivariate curve resolution of chromatographic second-order data. <i>Analytica Chimica Acta</i> , 2003 , 476, 111-122	6.6	13
19	Quantifying selectivity in spectrophotometric multicomponent analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2003 , 22, 352-361	14.6	28
18	Effect of non-significant proportional bias in the final measurement uncertainty. <i>Analyst, The</i> , 2003 , 128, 373-8	5	21

17	Should non-significant bias be included in the uncertainty budget?. <i>Accreditation and Quality Assurance</i> , 2002 , 7, 90-94	0.7	13
16	Second-order bilinear calibration: the effects of vectorising the data matrices of the calibration set. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2002 , 63, 107-116	3.8	33
15	Limit of detection estimator for second-order bilinear calibration. <i>Analytica Chimica Acta</i> , 2002 , 451, 313-321	6.6	61
14	Should non-significant bias be included in the uncertainty budget? 2002 , 34-38		
13	Validation of analytical methods. <i>Grasas Y Aceites</i> , 2002 , 53,	1.3	2
12	Iteratively reweighted generalized rank annihilation method. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2001 , 55, 67-90	3.8	21
11	Iteratively reweighted generalized rank annihilation method. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2001 , 55, 91-100	3.8	15
10	Estimation of measurement uncertainty by using regression techniques and spiked samples. <i>Analytica Chimica Acta</i> , 2001 , 446, 131-143	6.6	29
9	Measurement uncertainty in analytical methods in which trueness is assessed from recovery assays. <i>Analytica Chimica Acta</i> , 2001 , 440, 171-184	6.6	42
8	Multiway multiblock component and covariates regression models. <i>Journal of Chemometrics</i> , 2000 , 14, 301-331	1.6	81
7	Detection limits in classical multivariate calibration models. <i>Analytica Chimica Acta</i> , 2000 , 423, 41-49	6.6	37
6	Evaluating uncertainty in routine analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 1999 , 18, 577-584	14.6	50
5	Estimating uncertainties of analytical results using information from the validation process. <i>Analytica Chimica Acta</i> , 1999 , 391, 173-185	6.6	81
4	Monitoring and diagnosing batch processes with multiway covariates regression models. <i>AICHE Journal</i> , 1999 , 45, 1504-1520	3.6	50
3	Multivariate determination of several compositional parameters related to the content of hydrocarbon in naphtha by MIR spectroscopy. <i>Analyst, The</i> , 1999 , 124, 1827-1831	5	14
2	Combining computer vision and deep learning to classify varieties of <i>Prunus dulcis</i> for the nursery plant industry. <i>Journal of Chemometrics</i> , e3388	1.6	
1	Varietal quality control in the nursery plant industry using computer vision and deep learning techniques. <i>Journal of Chemometrics</i> , e3320	1.6	