

Ronei J Poppi

List of Publications by Year in descending order

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288
papers

8,289
citations

50244

46
h-index

88593

70
g-index

292
all docs

292
docs citations

292
times ranked

8617
citing authors

#	ARTICLE	IF	CITATIONS
1	Portable NIR spectrometer for quick identification of fat bloom in chocolates. <i>Food Chemistry</i> , 2021, 342, 128267.	4.2	8
2	Improving surface-enhanced Raman scattering performance of gold-modified magnetic nanoparticles by using nickel-phosphorus film on polydimethylsiloxane. <i>Microchemical Journal</i> , 2021, 160, 105704.	2.3	5
3	Raman Imaging and Chemometrics Evaluation of Natural and Synthetic Beeswaxes as Matrices for Nanostructured Lipid Carriers Development. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, 8, .	0.3	3
4	Monitoring Mineral-Associated Organic Matter in Tropical Pastures using Near Infrared Spectroscopy. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, 8, .	0.3	0
5	Correlating Comprehensive Two-dimensional Gas Chromatography Volatile Profiles of Chocolate with Sensory Analysis. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, 8, .	0.3	2
6	Soft Modelling of the Photolytic Degradation of Moxifloxacin Combining Surface enhanced Raman Spectroscopy and Multivariate Curve Resolution. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, 8, .	0.3	1
7	Cleaner and faster method to detect adulteration in cassava starch using Raman spectroscopy and one-class support vector machine. <i>Food Control</i> , 2021, 125, 107917.	2.8	25
8	Use of color based chromatographic images obtained from comprehensive two-dimensional gas chromatography in authentication analyses. <i>Talanta</i> , 2021, 234, 122616.	2.9	10
9	Comparison of PLS and SVM models for soil organic matter and particle size using vis-NIR spectral libraries. <i>Geoderma Regional</i> , 2021, 27, e00436.	0.9	30
10	A pre-formulation study of tetracaine loaded in optimized nanostructured lipid carriers. <i>Scientific Reports</i> , 2021, 11, 21463.	1.6	15
11	Detection and Quantification of Adulterants in Roasted and Ground Coffee by NIR Hyperspectral Imaging and Multivariate Curve Resolution. <i>Food Analytical Methods</i> , 2020, 13, 44-49.	1.3	15
12	Colloidal gold clusters formation and chemometrics for direct SERS determination of bioanalytes in complex media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117380.	2.0	20
13	Paper-based SERS substrate and one-class classifier to monitor thiabendazole residual levels in extracts of mango peels. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117913.	2.0	20
14	Authentication and identification of adulterants in virgin coconut oil using ATR/FTIR in tandem with DD-SIMCA one class modeling. <i>Talanta</i> , 2020, 219, 121338.	2.9	45
15	Extraction of information about structural changes in a semisolid pharmaceutical formulation from near-infrared and Raman images by multivariate curve resolution—alternating least squares and ComDim. <i>Journal of Chemometrics</i> , 2020, 34, e3288.	0.7	5
16	Consumable-free Comprehensive Three-Dimensional Gas Chromatography and PARAFAC for Determination of Allergens in Perfumes. <i>Chromatographia</i> , 2020, 83, 581-592.	0.7	12
17	Electrochemical behavior of 5-type phosphodiesterase inhibitory drugs in solid state by voltammetry of immobilized microparticles. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1999-2010.	1.2	7
18	Detection of Fruit Pulp Adulteration Using Multivariate Analysis: Comparison of NIR, MIR and Data Fusion Performance. <i>Food Analytical Methods</i> , 2020, 13, 1357-1365.	1.3	11

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19	Prediction of the flash point of fragrances by raman spectroscopy and multivariate calibration. <i>Flavour and Fragrance Journal</i> , 2020, 35, 417-424.	1.2	0
20	Fast and straightforward in-situ synthesis of gold nanoparticles on a thread-based microfluidic device for application in surface-enhanced Raman scattering detection. <i>Microchemical Journal</i> , 2020, 156, 104985.	2.3	24
21	Evaluation of the acidic strengths on electronic ground and excited states of proton transfer dye using Excitation-Emission fluorescence matrix (EEM) and Multivariate Curve Resolution with Alternating Least Squares (MCR-ALS). <i>Methods and Applications in Fluorescence</i> , 2020, 8, 045006.	1.1	2
22	GENETIC FINGERPRINTING OF THE BRAZILIAN MEDICINAL PLANT CHRYSOBALANUS ICACO L. (CHRYSOBALANACEAE) / IMPRESSÃO DIGITAL GENÉTICA DA ESPÉCIE MEDICINAL BRASILEIRA CHRYSOBALANUS ICACO L. (CHRYSOBALANACEAE). <i>Brazilian Journal of Development</i> , 2020, 6, 86190-86202.		0
23	Professor Ronei Jesus Poppi, a chemist with a clear vocation for research, recently gave an interview to BrJAC. <i>Brazilian Journal of Analytical Chemistry</i> , 2020, 7, .	0.3	0
24	Insights into the Effects of Crack Abuse on the Human Metabolome Using a NMR Approach. <i>Journal of Proteome Research</i> , 2019, 18, 341-348.	1.8	17
25	Peripheral biomarkers allow differential diagnosis between schizophrenia and bipolar disorder. <i>Journal of Psychiatric Research</i> , 2019, 119, 67-75.	1.5	31
26	Rapid Determination of Nutritional Parameters of Pasta/Sauce Blends by Handheld Near-Infrared Spectroscopy. <i>Molecules</i> , 2019, 24, 2029.	1.7	13
27	Evaluation of miscibility and polymorphism of synthetic and natural lipids for nanostructured lipid carrier (NLC) formulations by Raman mapping and multivariate curve resolution (MCR). <i>European Journal of Pharmaceutical Sciences</i> , 2019, 135, 51-59.	1.9	12
28	Random forest as one-class classifier and infrared spectroscopy for food adulteration detection. <i>Food Chemistry</i> , 2019, 293, 323-332.	4.2	103
29	Removing the moisture effect in soil organic matter determination using NIR spectroscopy and PLSR with external parameter orthogonalization. <i>Microchemical Journal</i> , 2019, 145, 1094-1101.	2.3	33
30	Green methodology for soil organic matter analysis using a national near infrared spectral library in tandem with learning machine. <i>Science of the Total Environment</i> , 2019, 658, 895-900.	3.9	24
31	Fast discrimination of bacteria using a filter paper-based SERS platform and PLS-DA with uncertainty estimation. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 705-713.	1.9	43
32	Discriminating blue ballpoint pens inks in questioned documents by Raman imaging and mean-field approach independent component analysis (MF-ICA). <i>Microchemical Journal</i> , 2019, 144, 411-418.	2.3	16
33	Rapid Discrimination Between Authentic and Adulterated Andiroba Oil Using FTIR-HATR Spectroscopy and Random Forest. <i>Food Analytical Methods</i> , 2018, 11, 1927-1935.	1.3	23
34	Quality Control of Commercial Cocoa Beans (<i>Theobroma cacao</i> L.) by Near-infrared Spectroscopy. <i>Food Analytical Methods</i> , 2018, 11, 1510-1517.	1.3	38
35	Visible and near infrared spectroscopy coupled to random forest to quantify some soil quality parameters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 191, 454-462.	2.0	75
36	Digital Protocol for Chemical Analysis at Ultralow Concentrations by Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2018, 90, 1248-1254.	3.2	63

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37	Monitoring of Adulteration and Purity in Coconut Oil Using Raman Spectroscopy and Multivariate Curve Resolution. <i>Food Analytical Methods</i> , 2018, 11, 1897-1905.	1.3	18
38	Comparison of different chemometric methods to extract chemical and physical information from Raman images of homogeneous and heterogeneous semi-solid pharmaceutical formulations. <i>International Journal of Pharmaceutics</i> , 2018, 552, 119-129.	2.6	22
39	Characterization of the aroma profile of novel Brazilian wines by solid-phase microextraction using polymeric ionic liquid sorbent coatings. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4749-4762.	1.9	31
40	Comparison of macro and micro Raman measurement for reliable quantitative analysis of pharmaceutical polymorphs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 157, 107-115.	1.4	13
41	Surface-enhanced Raman spectroscopy and MCR-ALS for the selective sensing of urinary adenosine on filter paper. <i>Talanta</i> , 2018, 187, 99-105.	2.9	15
42	Surface-enhanced Raman scattering (SERS) as probe of plasmonic near-field resonances. <i>Vibrational Spectroscopy</i> , 2018, 99, 34-43.	1.2	10
43	Study of volatile profile in cocoa nibs, cocoa liquor and chocolate on production process using GC-MS. <i>Microchemical Journal</i> , 2018, 141, 353-361.	2.3	39
44	Support vector machines in tandem with infrared spectroscopy for geographical classification of green arabica coffee. <i>LWT - Food Science and Technology</i> , 2017, 76, 330-336.	2.5	90
45	Simple, Expendable, 3D-Printed Microfluidic Systems for Sample Preparation of Petroleum. <i>Analytical Chemistry</i> , 2017, 89, 3460-3467.	3.2	52
46	Mid-infrared spectroscopy and support vector machines applied to control the hydrogenation process of soybean oil. <i>European Food Research and Technology</i> , 2017, 243, 1447-1457.	1.6	11
47	MCR-ALS with correlation constraint and Raman spectroscopy for identification and quantification of biofuels and adulterants in petroleum diesel. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 169, 116-121.	1.8	18
48	¹ H-NMR, ¹ H-NMR T2-edited, and 2D-NMR in bipolar disorder metabolic profiling. <i>International Journal of Bipolar Disorders</i> , 2017, 5, 23.	0.8	23
49	NMR Spectroscopy Metabolomics Applied to Crack Cocaine Users and Patients with Schizophrenia: Similar Behavior but Different Molecular Causes. <i>ChemistrySelect</i> , 2017, 2, 2927-2930.	0.7	4
50	Assessment of nucleosides as putative tumor biomarkers in prostate cancer screening by CE-UV. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3289-3297.	1.9	14
51	Chemotaxonomic study of <i>Chrysobalanus icaco</i> Linnaeus (Chrysobalanaceae) using ultra-high performance liquid chromatography coupled with diode array detection fingerprint in combination with multivariate analysis. <i>Journal of Separation Science</i> , 2017, 40, 2161-2169.	1.3	3
52	Metabolomics and lipidomics analyses by ¹ H nuclear magnetic resonance of schizophrenia patient serum reveal potential peripheral biomarkers for diagnosis. <i>Schizophrenia Research</i> , 2017, 185, 182-189.	1.1	35
53	Trapping of Au nanoparticles in a microfluidic device using dielectrophoresis for surface enhanced Raman spectroscopy. <i>Analyst</i> , 2017, 142, 375-379.	1.7	12
54	Quality control of cashew apple and guava nectar by near infrared spectroscopy. <i>Journal of Food Composition and Analysis</i> , 2017, 56, 41-46.	1.9	28

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55	Thermal desorption modulation for comprehensive two-dimensional gas chromatography using a simple and inexpensive segmented-loop fluidic interface. <i>Talanta</i> , 2017, 164, 470-476.	2.9	18
56	Fractionation of asphaltenes in n-hexane and on adsorption onto CaCO ₃ and characterization by ESI(+)-FT-ICR MS: Part I. <i>Fuel</i> , 2017, 210, 790-802.	3.4	33
57	Coupling of the ring-oven-based preconcentration technique and surface-enhanced Raman spectroscopy: Application for the determination of purine bases in DNA. <i>Analytica Chimica Acta</i> , 2017, 991, 95-103.	2.6	9
58	Crab Spider Lures Prey In Flowerless Neighborhoods. <i>Scientific Reports</i> , 2017, 7, 9188.	1.6	17
59	Raman hyperspectral imaging in conjunction with independent component analysis as a forensic tool for explosive analysis: The case of an ATM explosion. <i>Talanta</i> , 2017, 174, 628-632.	2.9	27
60	Quantification of the contents in biojet fuel blends using near infrared spectroscopy and multivariate calibration. <i>Analytical Methods</i> , 2017, 9, 4616-4621.	1.3	4
61	Optimised NLC: a nanotechnological approach to improve the anaesthetic effect of bupivacaine. <i>International Journal of Pharmaceutics</i> , 2017, 529, 253-263.	2.6	32
62	Determination of aqueous antibiotic solutions using SERS nanogratings. <i>Analytica Chimica Acta</i> , 2017, 982, 148-155.	2.6	70
63	Rapid Assessment of Total Phenolic and Anthocyanin Contents in Grape Juice Using Infrared Spectroscopy and Multivariate Calibration. <i>Food Analytical Methods</i> , 2017, 10, 1609-1615.	1.3	23
64	Use of NIR hyperspectral imaging and multivariate curve resolution (MCR) for detection and quantification of adulterants in milk powder. <i>LWT - Food Science and Technology</i> , 2017, 76, 337-343.	2.5	31
65	Unveiling multiple solid-state transitions in pharmaceutical solid dosage forms using multi-series hyperspectral imaging and different curve resolution approaches. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 161, 136-146.	1.8	17
66	Quality control of fragrances using Raman spectroscopy and multivariate analysis. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 579-584.	1.2	8
67	Determination of fragrance content in perfume by Raman spectroscopy and multivariate calibration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 157, 158-163.	2.0	12
68	Non-destructive fraud detection in rosehip oil by MIR spectroscopy and chemometrics. <i>Food Chemistry</i> , 2016, 209, 228-233.	4.2	47
69	A survey of adulterants used to cut cocaine in samples seized in the Espírito Santo State by GC-MS allied to chemometric tools. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2016, 56, 73-79.	1.3	26
70	Quality evaluation of frozen guava and yellow passion fruit pulps by NIR spectroscopy and chemometrics. <i>Food Research International</i> , 2016, 85, 209-214.	2.9	42
71	Simple Solid-Phase Extraction Method for High Efficiency and Low-Cost Crude Oil Demulsification. <i>Energy & Fuels</i> , 2016, 30, 4667-4675.	2.5	11
72	Classical Least Squares Combined with Spectral Interval Selection Using Genetic Algorithm for Prediction of Constituents in Pharmaceutical Solid Dosage Forms from near Infrared Chemical Imaging Data. <i>Journal of Near Infrared Spectroscopy</i> , 2016, 24, 157-169.	0.8	4

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73	Validation of the near Infrared Spectroscopy Method for Determining Soil Organic Carbon by Employing a Proficiency Assay for Fertility Laboratories. <i>Journal of Near Infrared Spectroscopy</i> , 2016, 24, 293-303.	0.8	13
74	Metabolomics by NMR Spectroscopy in Plant Disease diagnostic: Huanglongbing as a Case Study. <i>ChemistrySelect</i> , 2016, 1, 1176-1178.	0.7	11
75	Fabrication of gold nanoparticle-coated paper and its use as a sensitive substrate for quantitative SERS analysis. <i>Mikrochimica Acta</i> , 2016, 183, 2745-2752.	2.5	43
76	Temporal drift in Raman signal intensity during SERS measurements performed on analytes in liquid solutions. <i>Analyst, The</i> , 2016, 141, 5071-5077.	1.7	1
77	Differentiation of cocoa nibs from distinct origins using comprehensive two-dimensional gas chromatography and multivariate analysis. <i>Food Research International</i> , 2016, 90, 133-138.	2.9	29
78	Quantification of Hydrotreated Vegetable Oil and Biodiesel Contents in Diesel Fuel Blends Using near Infrared Spectroscopy. <i>NIR News</i> , 2016, 27, 4-7.	1.6	2
79	Determination of 17 β -estradiol and noradrenaline in dog serum using surface-enhanced Raman spectroscopy and random Forest. <i>Microchemical Journal</i> , 2016, 128, 95-101.	2.3	20
80	Determination of Saturates, Aromatics, and Polars in Crude Oil by ¹³ C NMR and Support Vector Regression with Variable Selection by Genetic Algorithm. <i>Energy & Fuels</i> , 2016, 30, 1972-1978.	2.5	43
81	A portable SERS method for the determination of uric acid using a paper-based substrate and multivariate curve resolution. <i>Analyst, The</i> , 2016, 141, 1966-1972.	1.7	70
82	Quality Control of Biodiesel Content of B7 Blends of Methyl Jatropha and Methyl Crambe Biodiesels Using Mid-Infrared Spectroscopy and Multivariate Control Charts Based on Net Analyte Signal. <i>Energy & Fuels</i> , 2016, , .	2.5	9
83	Quantification of conventional and advanced biofuels contents in diesel fuel blends using near-infrared spectroscopy and multivariate calibration. <i>Fuel</i> , 2016, 165, 379-388.	3.4	33
84	Near infrared hyperspectral imaging and MCR-ALS applied for mapping chemical composition of the wood specie <i>Swietenia Macrophylla</i> King (Mahogany) at microscopic level. <i>Microchemical Journal</i> , 2016, 124, 356-363.	2.3	22
85	Heart fossilization is possible and informs the evolution of cardiac outflow tract in vertebrates. <i>ELife</i> , 2016, 5, e14698.	2.8	46
86	Multivariate control charts based on NAS and mid-infrared spectroscopy for quality control of B5 blends of methyl soybean biodiesel in diesel. <i>Journal of Chemometrics</i> , 2015, 29, 411-419.	0.7	7
87	Infrared Spectroscopy and Multivariate Calibration for Quantification of Soybean Oil as Adulterant in Biodiesel Fuels. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2015, 92, 777-782.	0.8	10
88	Monitoring of multiple solid-state transformations at tablet surfaces using multi-series near-infrared hyperspectral imaging and multivariate curve resolution. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 93, 224-230.	2.0	27
89	Detection of explosives on the surface of banknotes by Raman hyperspectral imaging and independent component analysis. <i>Analytica Chimica Acta</i> , 2015, 860, 15-22.	2.6	36
90	Fast Detection of Adulterants/Contaminants in Biodiesel/Diesel Blend (B5) Employing Mid-Infrared Spectroscopy and PLS-DA. <i>Energy & Fuels</i> , 2015, 29, 227-232.	2.5	22

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91	Laser desorption ionization FT-ICR mass spectrometry and CARSPLS for predicting basic nitrogen and aromatics contents in crude oils. <i>Fuel</i> , 2015, 160, 274-281.	3.4	30
92	Sputtered gold-coated ITO nanowires by alternating depositions from Indium and ITO targets for application in surface-enhanced Raman scattering. <i>Applied Surface Science</i> , 2015, 347, 17-22.	3.1	13
93	Evaluation of dietary fiber of Brazilian soybean (<i>Glycine max</i>) using near-infrared spectroscopy and chemometrics. <i>Journal of Cereal Science</i> , 2015, 64, 43-47.	1.8	25
94	Prediction of the distillation temperatures of crude oils using ¹ H NMR and support vector regression with estimated confidence intervals. <i>Talanta</i> , 2015, 142, 197-205.	2.9	30
95	Detection of malathion in food peels by surface-enhanced Raman imaging spectroscopy and multivariate curve resolution. <i>Analytica Chimica Acta</i> , 2015, 879, 24-33.	2.6	53
96	Application of Multiway Calibration in Comprehensive Two-Dimensional Gas Chromatography. <i>Data Handling in Science and Technology</i> , 2015, , 465-506.	3.1	1
97	SERS hyperspectral imaging assisted by MCR-ALS for studying polymeric microfilms loaded with paracetamol. <i>Microchemical Journal</i> , 2015, 123, 243-251.	2.3	18
98	Discrimination of the type of biodiesel/diesel blend (B5) using mid-infrared spectroscopy and PLS-DA. <i>Fuel</i> , 2015, 142, 222-226.	3.4	46
99	Direct analysis of the main chemical constituents in <i>Chenopodium quinoa</i> grain using Fourier transform near-infrared spectroscopy. <i>Food Control</i> , 2015, 48, 91-95.	2.8	33
100	Forensic ballistics by inductively coupled plasma-optical emission spectroscopy: Quantification of gunshot residues and prediction of the number of shots using different firearms. <i>Microchemical Journal</i> , 2015, 118, 19-25.	2.3	25
101	Integrative analysis to select cancer candidate biomarkers to targeted validation. <i>Oncotarget</i> , 2015, 6, 43635-43652.	0.8	18
102	MULTIVARIATE CURVE RESOLUTION WITH ALTERNATING LEAST SQUARES: DESCRIPTION, OPERATION AND APLICATIONS. <i>Quimica Nova</i> , 2014, , .	0.3	3
103	Quality control of ethanol fuel: Assessment of adulteration with methanol using ¹ H NMR. <i>Fuel</i> , 2014, 135, 387-392.	3.4	16
104	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
105	Comparison and application of near-infrared (NIR) and mid-infrared (MIR) spectroscopy for determination of quality parameters in soybean samples. <i>Food Control</i> , 2014, 35, 227-232.	2.8	98
106	Quantification of animal fat biodiesel in soybean biodiesel and B20 diesel blends using near infrared spectroscopy and synergy interval support vector regression. <i>Talanta</i> , 2014, 119, 582-589.	2.9	40
107	Evaluation of trends in residuals of multivariate calibration models by permutation test. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 133, 33-41.	1.8	39
108	Viagra® and Cialis® blister packaging fingerprinting using Fourier transform infrared spectroscopy (FTIR) allied with chemometric methods. <i>Analytical Methods</i> , 2014, 6, 2722.	1.3	11

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109	Petroleomics by electrospray ionization FT-ICR mass spectrometry coupled to partial least squares with variable selection methods: prediction of the total acid number of crude oils. <i>Analyst, The</i> , 2014, 139, 4908-4916.	1.7	50
110	Determination of API gravity, kinematic viscosity and water content in petroleum by ATR-FTIR spectroscopy and multivariate calibration. <i>Fuel</i> , 2014, 116, 123-130.	3.4	66
111	Metabolic profiling by ultra-performance liquid chromatography-mass spectrometry and parallel factor analysis for the determination of disease biomarkers in <i>Eucalyptus</i> . <i>Metabolomics</i> , 2014, 10, 1318-1325.	1.4	10
112	Study of the Homogeneity of Drug Loaded in Polymeric Films Using Near-Infrared Chemical Imaging and Split-Plot Design. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 2356-2365.	1.6	3
113	Monitoring the polymorphic transformation on the surface of carbamazepine tablets generated by heating using near-infrared chemical imaging and chemometric methodologies. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 130, 91-97.	1.8	18
114	Classification of diesel pool refinery streams through near infrared spectroscopy and support vector machines using C-SVC and $\frac{1}{2}$ -SVC. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 389-396.	2.0	20
115	Evaluation of chemical composition of waters associated with petroleum production using Kohonen neural networks. <i>Fuel</i> , 2014, 117, 381-390.	3.4	11
116	Quantification of soybean biodiesels in diesel blends according to ASTM E1655 using mid-infrared spectroscopy and multivariate calibration. <i>Fuel</i> , 2014, 117, 1111-1114.	3.4	28
117	Quantification of residual automotive lubricant oil as an adulterant in Brazilian S-10 diesel using MIR spectroscopy and PLS. <i>Fuel</i> , 2014, 130, 257-262.	3.4	25
118	Assessment of robustness on analysis using headspace solid-phase microextraction and comprehensive two-dimensional gas chromatography through experimental designs. <i>Talanta</i> , 2014, 129, 303-308.	2.9	8
119	Mapping the Polymorphic Forms of Fexofenadine in Pharmaceutical Tablets Using near Infrared Chemical Imaging. <i>Journal of Near Infrared Spectroscopy</i> , 2014, 22, 211-220.	0.8	12
120	A didactic chemometrics experiment for design of experiments (DOE): evaluation of experimental conditions in the spectrophotometric determination of Iron II with <i>o</i> -phenanthroline. A tutorial, part III. <i>Quimica Nova</i> , 2014, 37, .	0.3	13
121	STUDY OF SCOTT TEST USING SPECTROSCOPIC TECHNIQUES: AN ALTERNATIVE METHOD FOR DETECTING COCAINE HYDROCHLORIDE AND ITS ADDULTERANTS IN STREET DRUGS. <i>Quimica Nova</i> , 2014, , .	0.3	1
122	Quantification of moxifloxacin in urine using surface-enhanced Raman spectroscopy (SERS) and multivariate curve resolution on a nanostructured gold surface. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7671-7677.	1.9	39
123	Standard addition method applied to the urinary quantification of nicotine in the presence of cotinine and anabasine using surface enhanced Raman spectroscopy and multivariate curve resolution. <i>Analytica Chimica Acta</i> , 2013, 760, 53-59.	2.6	63
124	Fourier transform near-infrared spectroscopy (FT-NIRS) application to estimate Brazilian soybean [<i>Glycine max</i> (L.) Merrill] composition. <i>Food Research International</i> , 2013, 51, 53-58.	2.9	54
125	Simultaneous determination of hydrocarbon renewable diesel, biodiesel and petroleum diesel contents in diesel fuel blends using near infrared (NIR) spectroscopy and chemometrics. <i>Analyst, The</i> , 2013, 138, 6477.	1.7	28
126	Quantitative analysis of biodiesel in blends of biodiesel and conventional diesel by comprehensive two-dimensional gas chromatography and multivariate curve resolution. <i>Analytica Chimica Acta</i> , 2013, 796, 130-136.	2.6	37

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127	NIR imaging spectroscopy for quantification of constituents in polymers thin films loaded with paracetamol. <i>Analytica Chimica Acta</i> , 2013, 765, 37-44.	2.6	28
128	Discrimination between authentic and counterfeit banknotes using Raman spectroscopy and PLS-DA with uncertainty estimation. <i>Microchemical Journal</i> , 2013, 109, 170-177.	2.3	120
129	Pharmaceutical analysis in solids using front face fluorescence spectroscopy and multivariate calibration with matrix correction by piecewise direct standardization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 311-318.	2.0	16
130	Characterization of sildenafil citrate tablets of different sources by near infrared chemical imaging and chemometric tools. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 85, 207-212.	1.4	24
131	Determining the presence of naphthenic and vegetable oils in paraffin-based lubricant oils using near infrared spectroscopy and support vector machines. <i>Analytical Methods</i> , 2013, 5, 6457.	1.3	8
132	Determination of Quality Parameters in Moist Wood Chips by Near Infrared Spectroscopy Combining PLS-DA and Support Vector Machines. <i>Journal of Wood Chemistry and Technology</i> , 2013, 33, 247-257.	0.9	10
133	Characterization of semi-solid Self-Emulsifying Drug Delivery Systems (SEDDS) of atorvastatin calcium by Raman image spectroscopy and chemometrics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 73, 3-12.	1.4	46
134	Biodiesel content determination in diesel fuel blends using near infrared (NIR) spectroscopy and support vector machines (SVM). <i>Talanta</i> , 2013, 104, 155-161.	2.9	84
135	Classification of Amazonian rosewood essential oil by Raman spectroscopy and PLS-DA with reliability estimation. <i>Talanta</i> , 2013, 117, 305-311.	2.9	81
136	Application of Kohonen neural network for evaluation of the contamination of Brazilian breast milk with polychlorinated biphenyls. <i>Talanta</i> , 2013, 116, 315-321.	2.9	11
137	Determination of disease biomarkers in Eucalyptus by comprehensive two-dimensional gas chromatography and multivariate data analysis. <i>Journal of Chromatography A</i> , 2013, 1279, 86-91.	1.8	42
138	X-ray Spectroscopy and Chemometric Methods for Real-Time Characterization of Petroleum for the Refining Process through True Boiling Point Curve and American Petroleum Institute Gravity. <i>Energy & Fuels</i> , 2013, 27, 3014-3021.	2.5	8
139	Raman imaging spectroscopic characterization of modified poly(dimethylsiloxane) for micro total analysis systems applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 100, 67-71.	2.0	8
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