

# Jean-michel Roger

## List of Publications by Citations

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130  
papers

3,301  
citations

29  
h-index

53  
g-index

140  
ext. papers

3,999  
ext. citations

5  
avg, IF

5.74  
L-index

#	Paper	IF	Citations
130	Critical review of chemometric indicators commonly used for assessing the quality of the prediction of soil attributes by NIR spectroscopy. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2010</b> , 29, 1073-1081	14.6	494
129	Non-destructive tests on the prediction of apple fruit flesh firmness and soluble solids content on tree and in shelf life. <i>Journal of Food Engineering</i> , <b>2006</b> , 77, 254-260	6	205
128	EPOBLS external parameter orthogonalisation of PLS application to temperature-independent measurement of sugar content of intact fruits. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2003</b> , 66, 191-204	3.8	182
127	Removing the effect of soil moisture from NIR diffuse reflectance spectra for the prediction of soil organic carbon. <i>Geoderma</i> , <b>2011</b> , 167-168, 118-124	6.7	173
126	Robustness of models developed by multivariate calibration. Part II: The influence of pre-processing methods. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2005</b> , 24, 437-445	14.6	107
125	Authenticating white grape must variety with classification models based on aroma sensors, FT-IR and UV spectrometry. <i>Journal of Food Engineering</i> , <b>2003</b> , 60, 407-419	6	87
124	Robustness of models developed by multivariate calibration. Part I. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2004</b> , 23, 157-170	14.6	83
123	Fusion of aroma, FT-IR and UV sensor data based on the Bayesian inference. Application to the discrimination of white grape varieties. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2003</b> , 65, 209-219	3.8	69
122	Chemometrics in analytical chemistry-part II: modeling, validation, and applications. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 6691-6704	4.4	62
121	New data preprocessing trends based on ensemble of multiple preprocessing techniques. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 132, 116045	14.6	60
120	Chemometrics in analytical chemistry-part I: history, experimental design and data analysis tools. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 5891-5899	4.4	59
119	Evaluation of oil-palm fungal disease infestation with canopy hyperspectral reflectance data. <i>Sensors</i> , <b>2010</b> , 10, 734-47	3.8	55
118	Combining linear polarization spectroscopy and the Representative Layer Theory to measure the Beer-Lambert law absorbance of highly scattering materials. <i>Analytica Chimica Acta</i> , <b>2015</b> , 853, 486-494	6.6	50
117	Comparison of multispectral indexes extracted from hyperspectral images for the assessment of fruit ripening. <i>Journal of Food Engineering</i> , <b>2011</b> , 104, 612-620	6	49
116	Application of independent component analysis on Raman images of a pharmaceutical drug product: pure spectra determination and spatial distribution of constituents. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 90, 78-84	3.5	48
115	Calibration transfer of intact olive NIR spectra between a pre-dispersive instrument and a portable spectrometer. <i>Computers and Electronics in Agriculture</i> , <b>2013</b> , 96, 202-208	6.5	48
114	Application of independent components analysis with the JADE algorithm and NIR hyperspectral imaging for revealing food adulteration. <i>Journal of Food Engineering</i> , <b>2016</b> , 168, 7-15	6	46

113	Predictive ability of soil properties to spectral degradation from laboratory Vis-NIR spectroscopy data. <i>Geoderma</i> , <b>2017</b> , 288, 143-153	6.7	46
112	Examination of the quality of spinach leaves using hyperspectral imaging. <i>Postharvest Biology and Technology</i> , <b>2013</b> , 85, 8-17	6.2	44
111	Applicability of Vis-NIR hyperspectral imaging for monitoring wood moisture content (MC). <i>Holzforchung</i> , <b>2013</b> , 67, 307-314	2	40
110	Sequential preprocessing through ORTHogonalization (SPORT) and its application to near infrared spectroscopy. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2020</b> , 199, 103975	3.8	38
109	Detection and Quantification of Peanut Traces in Wheat Flour by near Infrared Hyperspectral Imaging Spectroscopy Using Principal-Component Analysis. <i>Journal of Near Infrared Spectroscopy</i> , <b>2015</b> , 23, 15-22	1.5	38
108	Improving the transfer of near infrared prediction models by orthogonal methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2009</b> , 99, 57-65	3.8	38
107	Sensitivity of clay content prediction to spectral configuration of VNIR/SWIR imaging data, from multispectral to hyperspectral scenarios. <i>Remote Sensing of Environment</i> , <b>2018</b> , 204, 18-30	13.2	38
106	Robustness of Models Based on NIR Spectra for Sugar Content Prediction in Apples. <i>Journal of Near Infrared Spectroscopy</i> , <b>2003</b> , 11, 97-107	1.5	37
105	VSN: Variable sorting for normalization. <i>Journal of Chemometrics</i> , <b>2020</b> , 34, e3164	1.6	33
104	Monitoring spinach shelf-life with hyperspectral image through packaging films. <i>Journal of Food Engineering</i> , <b>2013</b> , 119, 353-361	6	31
103	Pretreatments by means of orthogonal projections. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2012</b> , 117, 61-69	3.8	31
102	Combination of optical and non-destructive mechanical techniques for the measurement of maturity in peach. <i>Journal of Food Engineering</i> , <b>2012</b> , 108, 150-157	6	30
101	Distribution of a low dose compound within pharmaceutical tablet by using multivariate curve resolution on Raman hyperspectral images. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 103, 35-43	3.5	28
100	Raman spectroscopy and multivariate analysis for the rapid discrimination between native-like and non-native states in freeze-dried protein formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2013</b> , 85, 263-71	5.7	28
99	Sequential fusion of information from two portable spectrometers for improved prediction of moisture and soluble solids content in pear fruit. <i>Talanta</i> , <b>2021</b> , 223, 121733	6.2	28
98	Clay content mapping from airborne hyperspectral Vis-NIR data by transferring a laboratory regression model. <i>Geoderma</i> , <b>2017</b> , 298, 54-66	6.7	27
97	Major Issues of Diffuse Reflectance NIR Spectroscopy in the Specific Context of Soil Carbon Content Estimation. <i>Advances in Agronomy</i> , <b>2014</b> , 123, 145-175	7.7	27
96	Management zone delineation using a modified watershed algorithm. <i>Precision Agriculture</i> , <b>2008</b> , 9, 233-250	3.5	27

95	Assessing yeast viability from cell size measurements?. <i>Journal of Biotechnology</i> , <b>2010</b> , 149, 74-80	3.7	26
94	SO-CovSel: A novel method for variable selection in a multiblock framework. <i>Journal of Chemometrics</i> , <b>2020</b> , 34, e3120	1.6	26
93	SPORT pre-processing can improve near-infrared quality prediction models for fresh fruits and agro-materials. <i>Postharvest Biology and Technology</i> , <b>2020</b> , 168, 111271	6.2	25
92	Recent trends in multi-block data analysis in chemometrics for multi-source data integration. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 137, 116206	14.6	24
91	Volatile compounds profiling by using proton transfer reaction-time of flight-mass spectrometry (PTR-ToF-MS). The case study of dark chocolates organoleptic differences. <i>Journal of Mass Spectrometry</i> , <b>2019</b> , 54, 92-119	2.2	24
90	Two standard-free approaches to correct for external influences on near-infrared spectra to make models widely applicable. <i>Postharvest Biology and Technology</i> , <b>2020</b> , 170, 111326	6.2	23
89	Analysis of the uncertainties affecting predictions of clay contents from VNIR/SWIR hyperspectral data. <i>Remote Sensing of Environment</i> , <b>2015</b> , 156, 58-70	13.2	22
88	Fast Fluorescence Spectroscopy Methodology to Monitor the Evolution of Extra Virgin Olive Oils Under Illumination. <i>Food and Bioprocess Technology</i> , <b>2017</b> , 10, 949-961	5.1	21
87	Pattern analysis techniques to process fermentation curves: application to discrimination of enological alcoholic fermentations. <i>Biotechnology and Bioengineering</i> , <b>2002</b> , 79, 804-15	4.9	21
86	MADSTRESS: a linear approach for evaluating scattering and absorption coefficients of samples measured using time-resolved spectroscopy in reflection. <i>Applied Spectroscopy</i> , <b>2005</b> , 59, 1229-35	3.1	20
85	MBA-GUI: A chemometric graphical user interface for multi-block data visualisation, regression, classification, variable selection and automated pre-processing. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2020</b> , 205, 104139	3.8	20
84	Resample and combine: an approach to improving uncertainty representation in evidential pattern classification. <i>Information Fusion</i> , <b>2003</b> , 4, 75-85	16.7	19
83	Comparison of the efficacy of spectral pre-treatments for wheat and weed discrimination in outdoor conditions. <i>Computers and Electronics in Agriculture</i> , <b>2014</b> , 108, 242-249	6.5	17
82	Removing the Block Effects in Calibration by Means of Dynamic Orthogonal Projection. Application to the Year Effect Correction for Wheat Protein Prediction. <i>Journal of Near Infrared Spectroscopy</i> , <b>2008</b> , 16, 311-315	1.5	17
81	Spatial data fusion for qualitative estimation of fuzzy request zones: Application on precision viticulture. <i>Fuzzy Sets and Systems</i> , <b>2007</b> , 158, 535-554	3.7	17
80	Correction of moisture effects on near infrared calibration for the analysis of phenol content in eucalyptus wood extracts. <i>Annals of Forest Science</i> , <b>2008</b> , 65, 803-803	3.1	17
79	A technical opportunity index adapted to zone-specific management. <i>Precision Agriculture</i> , <b>2011</b> , 12, 130-145	5.6	16
78	Automatic de-noising of close-range hyperspectral images with a wavelength-specific shearlet-based image noise reduction method. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 281, 1034-1044	8.5	16

77	Chemometric pre-processing can negatively affect the performance of near-infrared spectroscopy models for fruit quality prediction. <i>Talanta</i> , <b>2021</b> , 229, 122303	6.2	16
76	3D front face solid-phase fluorescence spectroscopy combined with Independent Components Analysis to characterize organic matter in model soils. <i>Talanta</i> , <b>2014</b> , 125, 146-52	6.2	14
75	Discrimination of corn from monocotyledonous weeds with ultraviolet (UV) induced fluorescence. <i>Applied Spectroscopy</i> , <b>2011</b> , 65, 10-9	3.1	14
74	How to build a robust model against perturbation factors with only a few reference values: A chemometric challenge at ChimimErie 2007. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2011</b> , 106, 152-159	3.8	13
73	Hyperspectral Imaging to Evaluate the Effect of Irrigation Water Salinity in Lettuce. <i>Applied Sciences (Switzerland)</i> , <b>2016</b> , 6, 412	2.6	13
72	Are standard sample measurements still needed to transfer multivariate calibration models between near-infrared spectrometers? The answer is not always. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 143, 116331	14.6	13
71	An iterative hyperspectral image segmentation method using a cross analysis of spectral and spatial information. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2012</b> , 117, 213-223	3.8	12
70	Detection of abnormal fermentations in wine process by multivariate statistics and pattern recognition techniques. <i>Journal of Biotechnology</i> , <b>2012</b> , 159, 336-41	3.7	12
69	Parallel pre-processing through orthogonalization (PORTO) and its application to near-infrared spectroscopy. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2021</b> , 212, 104190	3.8	11
68	Potential of a spectroscopic measurement method using adding-doubling to retrieve the bulk optical properties of dense microalgal media. <i>Applied Spectroscopy</i> , <b>2014</b> , 68, 1154-67	3.1	10
67	Improvement of direct calibration in spectroscopy. <i>Analytica Chimica Acta</i> , <b>2010</b> , 668, 130-6	6.6	10
66	Least-squares support vector machines modelization for time-resolved spectroscopy. <i>Applied Optics</i> , <b>2005</b> , 44, 7091-7	1.7	10
65	Early detection of the fungal disease "apple scab" using SWIR hyperspectral imaging <b>2019</b> ,		10
64	Near infrared hyperspectral dataset of healthy and infected apple tree leaves images for the early detection of apple scab disease. <i>Data in Brief</i> , <b>2018</b> , 16, 967-971	1.2	9
63	A new optical method coupling light polarization and VisNIR spectroscopy to improve the measurement of soil carbon content. <i>Soil and Tillage Research</i> , <b>2016</b> , 155, 461-470	6.5	9
62	A family of regression methods derived from standard PLSR. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2013</b> , 120, 116-125	3.8	9
61	Raman model development for the protein conformational state classification in different freeze-dried formulations. <i>Analytica Chimica Acta</i> , <b>2014</b> , 825, 42-50	6.6	9
60	Improved discrimination between monocotyledonous and dicotyledonous plants for weed control based on the blue-green region of ultraviolet-induced fluorescence spectra. <i>Applied Spectroscopy</i> , <b>2010</b> , 64, 30-6	3.1	9

59	Detection of early imbalances in semi-continuous anaerobic co-digestion process based on instantaneous biogas production rate. <i>Water Research</i> , <b>2020</b> , 171, 115444	12.5	9
58	Improved prediction of fuel properties with near-infrared spectroscopy using a complementary sequential fusion of scatter correction techniques. <i>Talanta</i> , <b>2021</b> , 223, 121693	6.2	9
57	Comparison of locally weighted PLS strategies for regression and discrimination on agronomic NIR data. <i>Journal of Chemometrics</i> , <b>2020</b> , 34, e3209	1.6	8
56	Improvement of the chemical content prediction of a model powder system by reducing multiple scattering using polarized light spectroscopy. <i>Applied Spectroscopy</i> , <b>2015</b> , 69, 95-102	3.1	8
55	Intelligent simulation of plant operation in the wine industry. <i>Food Control</i> , <b>1994</b> , 5, 91-95	6.2	8
54	Reduction of repeatability error for analysis of variance-Simultaneous Component Analysis (REP-ASCA): Application to NIR spectroscopy on coffee sample. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1101, 23-31	6.6	8
53	A Big-data algorithm for KNN-PLS. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2020</b> , 203, 104076	3.8	7
52	Subpixel detection of peanut in wheat flour using a matched subspace detector algorithm and near-infrared hyperspectral imaging. <i>Talanta</i> , <b>2020</b> , 216, 120993	6.2	7
51	An iterative approach for compound detection in an unknown pharmaceutical drug product: Application on Raman microscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 120, 342-51	3.5	7
50	A new formulation to estimate the variance of model prediction. Application to near infrared spectroscopy calibration. <i>Analytica Chimica Acta</i> , <b>2012</b> , 721, 28-34	6.6	7
49	Utilising variable sorting for normalisation to correct illumination effects in close-range spectral images of potato plants. <i>Biosystems Engineering</i> , <b>2020</b> , 197, 318-323	4.8	7
48	Multi-block classification of chocolate and cocoa samples into sensory poles. <i>Food Chemistry</i> , <b>2021</b> , 340, 127904	8.5	7
47	FRUITNIR-GUI: A graphical user interface for correcting external influences in multi-batch near infrared experiments related to fruit quality prediction. <i>Postharvest Biology and Technology</i> , <b>2021</b> , 175, 111414	6.2	7
46	Curve fitting in Fourier transform near infrared spectroscopy used for the analysis of bacterial cells. <i>Journal of Near Infrared Spectroscopy</i> , <b>2017</b> , 25, 151-164	1.5	6
45	Effects of preprocessing of ultraviolet-induced fluorescence spectra in plant fingerprinting applications. <i>Applied Spectroscopy</i> , <b>2008</b> , 62, 747-52	3.1	6
44	A partial least squares-based approach to assess the light penetration depth in wheat flour by near infrared hyperspectral imaging. <i>Journal of Near Infrared Spectroscopy</i> , <b>2020</b> , 28, 25-36	1.5	6
43	Dataset of visible-near infrared handheld and micro-spectrometers - comparison of the prediction accuracy of sugarcane properties. <i>Data in Brief</i> , <b>2020</b> , 31, 106013	1.2	6
42	Unveiling non-linear water effects in near infrared spectroscopy: A study on organic wastes during drying using chemometrics. <i>Waste Management</i> , <b>2021</b> , 122, 36-48	8.6	6

41	Improved prediction of tablet properties with near-infrared spectroscopy by a fusion of scatter correction techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 192, 113684	3.5	6
40	Using spatial information for evaluating the quality of prediction maps from hyperspectral images: A geostatistical approach. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1077, 116-128	6.6	5
39	Test of sampling methods to optimize the calibration of vine water status spatial models. <i>Precision Agriculture</i> , <b>2018</b> , 19, 365-378	5.6	5
38	A review of orthogonal projections for calibration. <i>Journal of Chemometrics</i> , <b>2018</b> , 32, e3045	1.6	5
37	Potential of vis-NIR spectroscopy to monitor the silica precipitation reaction. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 785-796	4.4	4
36	DROP-D: Dimension reduction by orthogonal projection for discrimination. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2015</b> , 146, 221-231	3.8	4
35	A note on spectral data simulation. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2020</b> , 200, 103979	3.8	4
34	Pre-processing Methods <b>2020</b> , 1-75		4
33	Near-Infrared Spectrum Analysis to Determine Relationships between Biochemical Composition and Anaerobic Digestion Performances. <i>Chemical Engineering and Technology</i> , <b>2018</b> , 41, 727-738	2	4
32	Application of direct calibration in multivariate image analysis of heterogeneous materials. <i>Analytica Chimica Acta</i> , <b>2012</b> , 734, 45-53	6.6	4
31	Comparative study of two methods (hexane extraction and NMR) for the determination of oil content in an individual olive fruit. <i>European Journal of Lipid Science and Technology</i> , <b>2013</b> , 115, 1070-1077	2.7	4
30	Predictive power of LDA to discriminate abnormal wine fermentations. <i>Journal of Chemometrics</i> , <b>2011</b> , 25, 382-388	1.6	4
29	Autofluorescence of grape berries following Botrytis cinerea infection. <i>International Journal of Remote Sensing</i> , <b>2011</b> , 32, 3835-3849	3.1	4
28	Potential of VIS-NIR spectroscopy to characterize and discriminate topsoils of different soil types in the Triffa plain (Morocco). <i>Soil Science Annual</i> , <b>2019</b> , 70, 54-63	2	4
27	Relating Near-Infrared Light Path-Length Modifications to the Water Content of Scattering Media in Near-Infrared Spectroscopy: Toward a New Bouguer-Beer-Lambert Law. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 6817-6823	7.8	4
26	Fast at-line characterization of solid organic waste: Comparing analytical performance of different compact near infrared spectroscopic systems with different measurement configurations. <i>Waste Management</i> , <b>2021</b> , 126, 664-673	8.6	4
25	A simple, projection-based geometric model for several linear pretreatment and calibration methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2014</b> , 138, 48-56	3.8	3
24	An indium phosphide-based near-infrared MOEMS microspectrometer for agri-food and environmental monitoring <b>2007</b> ,		3

23	Pre-processing ensembles with response oriented sequential alternation calibration (PROSAC): A step towards ending the pre-processing search and optimization quest for near-infrared spectral modelling. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2022</b> , 222, 104497	3.8	3
22	Visible and Near-Infrared Multispectral Features in Conjunction with Artificial Neural Network and Partial Least Squares for Predicting Biochemical and Micro-Structural Features of Beef Muscles. <i>Foods</i> , <b>2020</b> , 9,	4.9	3
21	Multiblock Analysis to Relate Polyphenol Targeted Mass Spectrometry and Sensory Properties of Chocolates and Cocoa Beans. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	3
20	A short note on achieving similar performance to deep learning with practical chemometrics. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2021</b> , 214, 104336	3.8	3
19	A novel robust PLS regression method inspired from boosting principles: RoBoost-PLSR. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1179, 338823	6.6	3
18	Setting local rank constraints by orthogonal projections for image resolution analysis: application to the determination of a low dose pharmaceutical compound. <i>Analytica Chimica Acta</i> , <b>2015</b> , 892, 49-58	6.6	2
17	Fault detection with moving window PCA using NIRS spectra for monitoring the anaerobic digestion process. <i>Water Science and Technology</i> , <b>2020</b> , 81, 367-382	2.2	2
16	An Investigation into the Effects of Pressure on Gas Detection Using an Integrating Sphere as Multipass Gas Absorption Cell: Analysis and Discussion. <i>Journal of Near Infrared Spectroscopy</i> , <b>2016</b> , 24, 405-412	1.5	2
15	Potential of Multiway PLS (N-PLS) Regression Method to Analyse Time-Series of Multispectral Images: A Case Study in Agriculture. <i>Remote Sensing</i> , <b>2022</b> , 14, 216	5	2
14	Simulation Method Linking Dense Microalgal Culture Spectral Properties in the 400-750 nm Range to the Physiology of the Cells. <i>Applied Spectroscopy</i> , <b>2016</b> , 70, 1018-33	3.1	2
13	Potential of high-spectral resolution for field phenotyping in plant breeding: Application to maize under water stress. <i>Computers and Electronics in Agriculture</i> , <b>2021</b> , 189, 106385	6.5	2
12	Postharvest ripeness assessment of Hass Avocado based on development of a new ripening index and Vis-NIR spectroscopy. <i>Postharvest Biology and Technology</i> , <b>2021</b> , 181, 111683	6.2	2
11	Hyperspectral Imaging System Calibration Using Image Translations and Fourier Transform. <i>Journal of Near Infrared Spectroscopy</i> , <b>2008</b> , 16, 371-380	1.5	1
10	Domain invariant covariate selection (Di-CovSel) for selecting generalized features across domains. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2022</b> , 222, 104499	3.8	1
9	Multiblock Analysis Applied to TD-NMR of Butters and Related Products. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 5317	2.6	1
8	Monte Carlo methods for estimating Mallows's Cp and AIC criteria for PLSR models. Illustration on agronomic spectroscopic NIR data. <i>Journal of Chemometrics</i> , <b>2021</b> , 35, e3369	1.6	1
7	Untargeted analysis of TD-NMR signals using a multivariate curve resolution approach: Application to the water-imbibition kinetics of Arabidopsis seeds. <i>Talanta</i> , <b>2021</b> , 233, 122525	6.2	1
6	Diesel cetane number estimation from NIR spectra of hydrocracking total effluent. <i>Fuel</i> , <b>2022</b> , 324, 124647	6.7	1



5	Application-Dedicated Selection of Filters (ADSF) using covariance maximization and orthogonal projection. <i>Analytica Chimica Acta</i> , <b>2016</b> , 921, 1-12	6.6	o
4	Is It Possible to Assess Heatwave Impact on Grapevines at the Regional Level with Time Series of Satellite Images?. <i>Agronomy</i> , <b>2022</b> , 12, 563	3.6	o
3	A novel methodology for determining effectiveness of preprocessing methods in reducing undesired spectral variability in near infrared spectra. <i>Journal of Near Infrared Spectroscopy</i> , <b>2022</b> , 30, 74-88	1.5	o
2	On-site substrate characterization in the anaerobic digestion context: A dataset of near infrared spectra acquired with four different optical systems on freeze-dried and ground organic waste. <i>Data in Brief</i> , <b>2021</b> , 36, 107126	1.2	
1	Assessing the potential of a handheld visible-near infrared microspectrometer for sugar beet phenotyping. <i>Journal of Near Infrared Spectroscopy</i> , 096703352210834	1.5	