

Jean-michel Roger

List of Publications by Year in descending order

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140
papers

4,738
citations

109264

35
h-index

110317

64
g-index

140
all docs

140
docs citations

140
times ranked

4155
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2010, 29, 1073-1081.	5.8	668
2	EPOâ€“PLS external parameter orthogonalisation of PLS application to temperature-independent measurement of sugar content of intact fruits. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2003, 66, 191-204.	1.8	240
3	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> , 2006, 77, 254-260.	2.7	234
4	Removing the effect of soil moisture from NIR diffuse reflectance spectra for the prediction of soil organic carbon. <i>Geoderma</i> , 2011, 167-168, 118-124.	2.3	229
5	New data preprocessing trends based on ensemble of multiple preprocessing techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 132, 116045.	5.8	173
6	Robustness of models developed by multivariate calibration. Part II: The influence of pre-processing methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 437-445.	5.8	126
7	Chemometrics in analytical chemistryâ€“part II: modeling, validation, and applications. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6691-6704.	1.9	102
8	Authenticating white grape must variety with classification models based on aroma sensors, FT-IR and UV spectrometry. <i>Journal of Food Engineering</i> , 2003, 60, 407-419.	2.7	97
9	Chemometrics in analytical chemistryâ€“part I: history, experimental design and data analysis tools. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5891-5899.	1.9	95
10	Robustness of models developed by multivariate calibration. Part I. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 157-170.	5.8	91
11	Recent trends in multi-block data analysis in chemometrics for multi-source data integration. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 137, 116206.	5.8	86
12	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> , 2003, 65, 209-219.	1.8	76
13	Predictive ability of soil properties to spectral degradation from laboratory Vis-NIR spectroscopy data. <i>Geoderma</i> , 2017, 288, 143-153.	2.3	75
14	Evaluation of Oil-Palm Fungal Disease Infestation with Canopy Hyperspectral Reflectance Data. <i>Sensors</i> , 2010, 10, 734-747.	2.1	74
15	Combining linear polarization spectroscopy and the Representative Layer Theory to measure the Beerâ€“Lambert law absorbance of highly scattering materials. <i>Analytica Chimica Acta</i> , 2015, 853, 486-494.	2.6	67
16	Sequential preprocessing through ORThogonalization (SPORT) and its application to near infrared spectroscopy. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 199, 103975.	1.8	66
17	Application of independent components analysis with the JADE algorithm and NIR hyperspectral imaging for revealing food adulteration. <i>Journal of Food Engineering</i> , 2016, 168, 7-15.	2.7	61
18	Sensitivity of clay content prediction to spectral configuration of VNIR/SWIR imaging data, from multispectral to hyperspectral scenarios. <i>Remote Sensing of Environment</i> , 2018, 204, 18-30.	4.6	61

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19	Sequential fusion of information from two portable spectrometers for improved prediction of moisture and soluble solids content in pear fruit. <i>Talanta</i> , 2021, 223, 121733.	2.9	61
20	VSN: Variable sorting for normalization. <i>Journal of Chemometrics</i> , 2020, 34, e3164.	0.7	59
21	Comparison of multispectral indexes extracted from hyperspectral images for the assessment of fruit ripening. <i>Journal of Food Engineering</i> , 2011, 104, 612-620.	2.7	57
22	Calibration transfer of intact olive NIR spectra between a pre-dispersive instrument and a portable spectrometer. <i>Computers and Electronics in Agriculture</i> , 2013, 96, 202-208.	3.7	55
23	Examination of the quality of spinach leaves using hyperspectral imaging. <i>Postharvest Biology and Technology</i> , 2013, 85, 8-17.	2.9	53
24	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> , 2014, 90, 78-84.	1.4	53
25	Chemometric pre-processing can negatively affect the performance of near-infrared spectroscopy models for fruit quality prediction. <i>Talanta</i> , 2021, 229, 122303.	2.9	53
26	Applicability of Vis-NIR hyperspectral imaging for monitoring wood moisture content (MC). <i>Holzforschung</i> , 2013, 67, 307-314.	0.9	52
27	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> , 2015, 23, 15-22.	0.8	52
28	SPORT pre-processing can improve near-infrared quality prediction models for fresh fruits and agro-materials. <i>Postharvest Biology and Technology</i> , 2020, 168, 111271.	2.9	48
29	Robustness of Models Based on NIR Spectra for Sugar Content Prediction in Apples. <i>Journal of Near Infrared Spectroscopy</i> , 2003, 11, 97-107.	0.8	46
30	SO-CovSel: A novel method for variable selection in a multiblock framework. <i>Journal of Chemometrics</i> , 2020, 34, e3120.	0.7	46
31	Improving the transfer of near infrared prediction models by orthogonal methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 99, 57-65.	1.8	43
32	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> , 2021, 143, 116331.	5.8	39
33	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> , 2013, 85, 263-271.	2.0	37
34	Monitoring spinach shelf-life with hyperspectral image through packaging films. <i>Journal of Food Engineering</i> , 2013, 119, 353-361.	2.7	37
35	Clay content mapping from airborne hyperspectral Vis-NIR data by transferring a laboratory regression model. <i>Geoderma</i> , 2017, 298, 54-66.	2.3	37
36	Pretreatments by means of orthogonal projections. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 117, 61-69.	1.8	36

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37	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> , 2020, 205, 104139.	1.8	36
38	Two standard-free approaches to correct for external influences on near-infrared spectra to make models widely applicable. <i>Postharvest Biology and Technology</i> , 2020, 170, 111326.	2.9	36
39	Assessing yeast viability from cell size measurements?. <i>Journal of Biotechnology</i> , 2010, 149, 74-80.	1.9	35
40	Combination of optical and non-destructive mechanical techniques for the measurement of maturity in peach. <i>Journal of Food Engineering</i> , 2012, 108, 150-157.	2.7	35
41	Volatile compounds profiling by using proton transfer reactionâ€time of flightâ€mass spectrometry (PTRâ€ToFâ€MS). The case study of dark chocolates organoleptic differences. <i>Journal of Mass Spectrometry</i> , 2019, 54, 92-119.	0.7	33
42	Comparison of locally weighted PLS strategies for regression and discrimination on agronomic NIR data. <i>Journal of Chemometrics</i> , 2020, 34, e3209.	0.7	33
43	Management zone delineation using a modified watershed algorithm. <i>Precision Agriculture</i> , 2008, 9, 233-250.	3.1	32
44	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> , 2015, 103, 35-43.	1.4	31
45	Major Issues of Diffuse Reflectance NIR Spectroscopy in the Specific Context of Soil Carbon Content Estimation. <i>Advances in Agronomy</i> , 2014, 123, 145-175.	2.4	30
46	Fast Fluorescence Spectroscopy Methodology to Monitor the Evolution of Extra Virgin Olive Oils Under Illumination. <i>Food and Bioprocess Technology</i> , 2017, 10, 949-961.	2.6	30
47	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> , 2019, 281, 1034-1044.	4.0	27
48	Pattern analysis techniques to process fermentation curves: Application to discrimination of enological alcoholic fermentations. <i>Biotechnology and Bioengineering</i> , 2002, 79, 804-815.	1.7	26
49	Resample and combine: an approach to improving uncertainty representation in evidential pattern classification. <i>Information Fusion</i> , 2003, 4, 75-85.	11.7	25
50	Analysis of the uncertainties affecting predictions of clay contents from VNIR/SWIR hyperspectral data. <i>Remote Sensing of Environment</i> , 2015, 156, 58-70.	4.6	25
51	Comparison of the efficacy of spectral pre-treatments for wheat and weed discrimination in outdoor conditions. <i>Computers and Electronics in Agriculture</i> , 2014, 108, 242-249.	3.7	24
52	3D front face solid-phase fluorescence spectroscopy combined with Independent Components Analysis to characterize organic matter in model soils. <i>Talanta</i> , 2014, 125, 146-152.	2.9	22
53	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> , 2018, 16, 967-971.	0.5	22
54	Detection of early imbalances in semi-continuous anaerobic co-digestion process based on instantaneous biogas production rate. <i>Water Research</i> , 2020, 171, 115444.	5.3	22

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55	Improved prediction of tablet properties with near-infrared spectroscopy by a fusion of scatter correction techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 192, 113684.	1.4	22
56	MADSTRESS: A Linear Approach for Evaluating Scattering and Absorption Coefficients of Samples Measured Using Time-Resolved Spectroscopy in Reflection. <i>Applied Spectroscopy</i> , 2005, 59, 1229-1235.	1.2	21
57	Parallel pre-processing through orthogonalization (PORTO) and its application to near-infrared spectroscopy. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021, 212, 104190.	1.8	21
58	A technical opportunity index adapted to zone-specific management. <i>Precision Agriculture</i> , 2011, 12, 130-145.	3.1	20
59	Spatial data fusion for qualitative estimation of fuzzy request zones: Application on precision viticulture. <i>Fuzzy Sets and Systems</i> , 2007, 158, 535-554.	1.6	19
60	Correction of moisture effects on near infrared calibration for the analysis of phenol content in eucalyptus wood extracts. <i>Annals of Forest Science</i> , 2008, 65, 803-803.	0.8	19
61	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> , 2008, 16, 311-315.	0.8	17
62	An iterative hyperspectral image segmentation method using a cross analysis of spectral and spatial information. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 117, 213-223.	1.8	17
63	Hyperspectral Imaging to Evaluate the Effect of Irrigation Water Salinity in Lettuce. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 412.	1.3	17
64	Utilising variable sorting for normalisation to correct illumination effects in close-range spectral images of potato plants. <i>Biosystems Engineering</i> , 2020, 197, 318-323.	1.9	17
65	Least-squares support vector machines modelization for time-resolved spectroscopy. <i>Applied Optics</i> , 2005, 44, 7091.	2.1	16
66	Early detection of the fungal disease "apple scab" using SWIR hyperspectral imaging. , 2019, , .		16
67	Discrimination of Corn from Monocotyledonous Weeds with Ultraviolet (UV) Induced Fluorescence. <i>Applied Spectroscopy</i> , 2011, 65, 10-19.	1.2	15
68	How to build a robust model against perturbation factors with only a few reference values: A chemometric challenge at "Chimie 2007". <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 118, 106, 152-159.	1.8	15
69	Detection of abnormal fermentations in wine process by multivariate statistics and pattern recognition techniques. <i>Journal of Biotechnology</i> , 2012, 159, 336-341.	1.9	15
70	A review of orthogonal projections for calibration. <i>Journal of Chemometrics</i> , 2018, 32, e3045.	0.7	14
71	Improved prediction of fuel properties with near-infrared spectroscopy using a complementary sequential fusion of scatter correction techniques. <i>Talanta</i> , 2021, 223, 121693.	2.9	14
72	Multi-block classification of chocolate and cocoa samples into sensory poles. <i>Food Chemistry</i> , 2021, 340, 127904.	4.2	14

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73	A new optical method coupling light polarization and Vis-NIR spectroscopy to improve the measurement of soil carbon content. <i>Soil and Tillage Research</i> , 2016, 155, 461-470.	2.6	13
74	A novel robust PLS regression method inspired from boosting principles: RoBoost-PLSR. <i>Analytica Chimica Acta</i> , 2021, 1179, 338823.	2.6	13
75	Improvement of Direct Calibration in spectroscopy. <i>Analytica Chimica Acta</i> , 2010, 668, 130-136.	2.6	12
76	Improvement of the Chemical Content Prediction of a Model Powder System by Reducing Multiple Scattering Using Polarized Light Spectroscopy. <i>Applied Spectroscopy</i> , 2015, 69, 95-102.	1.2	12
77	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> , 2020, 1101, 23-31.	2.6	12
78	A "big-data" algorithm for KNN-PLS. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 203, 104076.	1.8	12
79	Relating Near-Infrared Light Path-Length Modifications to the Water Content of Scattering Media in Near-Infrared Spectroscopy: Toward a New Bouguer-Lambert Law. <i>Analytical Chemistry</i> , 2021, 93, 6817-6823.	3.2	12
80	Postharvest ripeness assessment of "Hass" avocado based on development of a new ripening index and Vis-NIR spectroscopy. <i>Postharvest Biology and Technology</i> , 2021, 181, 111683.	2.9	12
81	Potential of Multiway PLS (N-PLS) Regression Method to Analyse Time-Series of Multispectral Images: A Case Study in Agriculture. <i>Remote Sensing</i> , 2022, 14, 216.	1.8	12
82	An iterative approach for compound detection in an unknown pharmaceutical drug product: Application on Raman microscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 120, 342-351.	1.4	11
83	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> , 2022, 222, 104497.	1.8	11
84	Intelligent simulation of plant operation in the wine industry. <i>Food Control</i> , 1994, 5, 91-95.	2.8	10
85	A family of regression methods derived from standard PLSR. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 120, 116-125.	1.8	10
86	Raman model development for the protein conformational state classification in different freeze-dried formulations. <i>Analytica Chimica Acta</i> , 2014, 825, 42-50.	2.6	10
87	Potential of a Spectroscopic Measurement Method Using Adding-Doubling to Retrieve the Bulk Optical Properties of Dense Microalgal Media. <i>Applied Spectroscopy</i> , 2014, 68, 1154-1167.	1.2	10
88	Curve fitting in Fourier transform near infrared spectroscopy used for the analysis of bacterial cells. <i>Journal of Near Infrared Spectroscopy</i> , 2017, 25, 151-164.	0.8	10
89	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> , 2020, 28, 25-36.	0.8	10
90	Dataset of visible-near infrared handheld and micro-spectrometers comparison of the prediction accuracy of sugarcane properties. <i>Data in Brief</i> , 2020, 31, 106013.	0.5	10

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91	Subpixel detection of peanut in wheat flour using a matched subspace detector algorithm and near-infrared hyperspectral imaging. <i>Talanta</i> , 2020, 216, 120993.	2.9	10
92	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> , 2010, 64, 30-36.	1.2	9
93	Unveiling non-linear water effects in near infrared spectroscopy: A study on organic wastes during drying using chemometrics. <i>Waste Management</i> , 2021, 122, 36-48.	3.7	9
94	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> , 2021, 126, 664-673.	3.7	9
95	Potential of VIS-NIR spectroscopy to characterize and discriminate topsoils of different soil types in the Triffa plain (Morocco). <i>Soil Science Annual</i> , 2019, 70, 54-63.	0.4	9
96	Autofluorescence of grape berries following <i>Botrytis cinerea</i> infection. <i>International Journal of Remote Sensing</i> , 2011, 32, 3835-3849.	1.3	8
97	Test of sampling methods to optimize the calibration of vine water status spatial models. <i>Precision Agriculture</i> , 2018, 19, 365-378.	3.1	8
98	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> , 2021, 175, 111414.	2.9	8
99	A new formulation to estimate the variance of model prediction. Application to near infrared spectroscopy calibration. <i>Analytica Chimica Acta</i> , 2012, 721, 28-34.	2.6	7
100	Near-Infrared Spectrum Analysis to Determine Relationships between Biochemical Composition and Anaerobic Digestion Performances. <i>Chemical Engineering and Technology</i> , 2018, 41, 727-738.	0.9	7
101	Using spatial information for evaluating the quality of prediction maps from hyperspectral images: A geostatistical approach. <i>Analytica Chimica Acta</i> , 2019, 1077, 116-128.	2.6	7
102	Fault detection with moving window PCA using NIRS spectra for monitoring the anaerobic digestion process. <i>Water Science and Technology</i> , 2020, 81, 367-382.	1.2	7
103	A short note on achieving similar performance to deep learning with practical chemometrics. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021, 214, 104336.	1.8	7
104	Effects of Preprocessing of Ultraviolet-Induced Fluorescence Spectra in Plant Fingerprinting Applications. <i>Applied Spectroscopy</i> , 2008, 62, 747-752.	1.2	6
105	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> , 2020, 9, 1254.	1.9	6
106	Multiblock Analysis to Relate Polyphenol Targeted Mass Spectrometry and Sensory Properties of Chocolates and Cocoa Beans. <i>Metabolites</i> , 2020, 10, 311.	1.3	6
107	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> , 2013, 115, 1070-1077.	1.0	5
108	DROP-D: Dimension reduction by orthogonal projection for discrimination. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 146, 221-231.	1.8	5

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109	A note on spectral data simulation. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 200, 103979.	1.8	5
110	Potential of high-spectral resolution for field phenotyping in plant breeding: Application to maize under water stress. <i>Computers and Electronics in Agriculture</i> , 2021, 189, 106385.	3.7	5
111	Domain invariant covariate selection (Di-CovSel) for selecting generalized features across domains. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2022, 222, 104499.	1.8	5
112	An indium phosphide-based near-infrared MOEMS microspectrometer for agri-food and environmental monitoring. , 2007, , .		4
113	Predictive power of LDA to discriminate abnormal wine fermentations. <i>Journal of Chemometrics</i> , 2011, 25, 382-388.	0.7	4
114	Application of direct calibration in multivariate image analysis of heterogeneous materials. <i>Analytica Chimica Acta</i> , 2012, 734, 45-53.	2.6	4
115	A simple, projection-based geometric model for several linear pretreatment and calibration methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 138, 48-56.	1.8	4
116	Potential of visâ€“NIR spectroscopy to monitor the silica precipitation reaction. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 785-796.	1.9	4
117	Multiblock Analysis Applied to TD-NMR of Butters and Related Products. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5317.	1.3	4
118	Pre-processing Methods. , 2020, , 1-75.		4
119	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> , 2021, 35, e3369.	0.7	4
120	Untargeted analysis of TD-NMR signals using a multivariate curve resolution approach: Application to the water-imbibition kinetics of Arabidopsis seeds. <i>Talanta</i> , 2021, 233, 122525.	2.9	4
121	Front-Face Fluorescence Spectroscopy and Feature Selection for Fruit Classification Based on N-CovSel Method. <i>Frontiers in Analytical Science</i> , 0, 2, .	1.1	4
122	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> , 2015, 892, 49-58.	2.6	3
123	Simulation Method Linking Dense Microalgal Culture Spectral Properties in the 400â€“750â€“nm Range to the Physiology of the Cells. <i>Applied Spectroscopy</i> , 2016, 70, 1018-1033.	1.2	3
124	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> , 2016, 24, 405-412.	0.8	3
125	Multiblock Analysis Applied to Fluorescence and Absorbance Spectra to Estimate Total Polyphenol Content in Extra Virgin Olive Oil. <i>Foods</i> , 2021, 10, 2556.	1.9	3
126	Is It Possible to Assess Heatwave Impact on Grapevines at the Regional Level with Time Series of Satellite Images?. <i>Agronomy</i> , 2022, 12, 563.	1.3	3

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127	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> , 2022, 30, 74-88.	0.8	3
128	Diesel cetane number estimation from NIR spectra of hydrocracking total effluent. <i>Fuel</i> , 2022, 324, 124647.	3.4	3
129	Application-Dedicated Selection of Filters (ADSF) using covariance maximization and orthogonal projection. <i>Analytica Chimica Acta</i> , 2016, 921, 1-12.	2.6	2
130	Hyperspectral Imaging System Calibration Using Image Translations and Fourier Transform. <i>Journal of Near Infrared Spectroscopy</i> , 2008, 16, 371-380.	0.8	1
131	Discrimination of fungal disease infestation in oil-palm canopy hyperspectral reflectance data. , 2009, , .		1
132	Effect of the Architecture of Fiber-Optic Probes Designed for Soluble Solid Content Prediction in Intact Sugar Beet Slices. <i>Sensors</i> , 2019, 19, 2995.	2.1	1
133	Hyperspectral to multispectral imaging for detection of tree nuts and peanut traces in wheat flour. <i>Journal of Spectral Imaging</i> , 0, , .	0.0	1
134	Assessing the potential of a handheld visible-near infrared microspectrometer for sugar beet phenotyping. <i>Journal of Near Infrared Spectroscopy</i> , 2022, 30, 122-129.	0.8	1
135	Potential of N-CovSel for Variable Selection: A Case Study on Time-Series of Multispectral Images. <i>Frontiers in Analytical Science</i> , 2022, 2, .	1.1	1
136	Improvements in the Robustness of Mid-Infrared Spectroscopy Models against Chemical Interferences: Application to Monitoring of Anaerobic Digestion Processes. <i>AppliedChem</i> , 2022, 2, 117-127.	0.2	1
137	IDC-Improved Direct Calibration: A new direct calibration method applied to hyperspectral image analysis. , 2009, , .		0
138	Spectral-spatial pre-processing using multi-resolution 3D wavelets for hyperspectral image classification. , 2013, , .		0
139	A review of orthogonal projections for calibration. <i>Journal of Chemometrics</i> , 2018, 32, e3089.	0.7	0
140	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> , 2021, 36, 107126.	0.5	0