Veronique Bellon-Maurel

List of Publications by Year
in descending order

39 papers	3,245 citations	218381 26 h-index	329751 37 g-index
40 all docs	40 docs citations	40 times ranked	3626 citing authors

#	Article	IF	Citations
1	Improvements in the Robustness of Mid-Infrared Spectroscopy Models against Chemical Interferences: Application to Monitoring of Anaerobic Digestion Processes. AppliedChem, 2022, 2, 117-127.	0.2	1
2	Assessing Environmental Impacts of Groundwater Irrigation Using the Life Cycle Assessment Method: Application to a Tunisian Arid Region. Irrigation and Drainage, 2020, 69, 117-125.	0.8	4
3	Coupling economic models and environmental assessment methods to support regional policies: A critical review. Journal of Cleaner Production, 2019, 216, 408-421.	4.6	52
4	A new optical method coupling light polarization and Visâ€“NIR spectroscopy to improve the measurement of soil carbon content. Soil and Tillage Research, 2016, 155, 461-470.	2.6	13
5	Life cycle assessment of forecasting scenarios for urban water management: A first implementation of the WaLA model on Paris suburban area. Water Research, 2016, 90, 128-140.	5.3	28
6	WaLA, a versatile model for the life cycle assessment of urban water systems: Formalism and framework for a modular approach. Water Research, 2016, 88, 69-82.	5.3	21
7	Improvement of the Chemical Content Prediction of a Model Powder System by Reducing Multiple Scattering Using Polarized Light Spectroscopy. Applied Spectroscopy, 2015, 69, 95-102.	1.2	12
8	Environmental Impacts of Contrasted Groundwater Pumping Systems Assessed by Life Cycle Assessment Methodology: Contribution to the Waterâ€“Energy Nexus Study. Irrigation and Drainage, 2015, 64, 124-138.	0.8	32
9	Combining linear polarization spectroscopy and the Representative Layer Theory to measure the Beerâ€“Lambert law absorbance of highly scattering materials. Analytica Chimica Acta, 2015, 853, 486-494.	2.6	67
10	Streamlining life cycle inventory data generation in agriculture using traceability data and information and communication technologies â€“ part II: application to viticulture. Journal of Cleaner Production, 2015, 87, 119-129.	4.6	30
11	Major Issues of Diffuse Reflectance NIR Spectroscopy in the Specific Context of Soil Carbon Content Estimation. Advances in Agronomy, 2014, 123, 145-175.	2.4	30
12	Streamlining life cycle inventory data generation in agriculture using traceability data and information and communication technologies â€“ part I: concepts and technical basis. Journal of Cleaner Production, 2014, 69, 60-66.	4.6	30
13	Life cycle assessments of urban water systems: A comparative analysis of selected peer-reviewed literature. Water Research, 2014, 67, 187-202.	5.3	154
14	Implementation of an adapted LCA framework to environmental assessment of a territory: important learning points from a French Mediterranean case study. Journal of Cleaner Production, 2014, 80, 17-29.	4.6	62
15	Adapting the LCA framework to environmental assessment in land planning. International Journal of Life Cycle Assessment, 2013, 18, 1533-1548.	2.2	79
16	Assessing Water Deprivation at the Sub-river Basin Scale in LCA Integrating Downstream Cascade Effects. Environmental Science & Technology, 2013, 47, 14242-14249.	4.6	22
17	Applicability of Vis-NIR hyperspectral imaging for monitoring wood moisture content (MC). Holzforschung, 2013, 67, 307-314.	0.9	52
18	Environmental assessment of a territory: An overview of existing tools and methods. Journal of Environmental Management, 2012, 112, 213-225.	3.8	151

#	Article	IF	Citations
19	Removing the effect of soil moisture from NIR diffuse reflectance spectra for the prediction of soil organic carbon. Geoderma, 2011, 167-168, 118-124.	2.3	229
20	Near-infrared (NIR) and mid-infrared (MIR) spectroscopic techniques for assessing the amount of carbon stock in soils â€“ Critical review and research perspectives. Soil Biology and Biochemistry, 2011, 43, 1398-1410.	4.2	374
21	Critical review of chemometric indicators commonly used for assessing the quality of the prediction of soil attributes by NIR spectroscopy. TrAC - Trends in Analytical Chemistry, 2010, 29, 1073-1081.	5.8	668
22	Improving the transfer of near infrared prediction models by orthogonal methods. Chemometrics and Intelligent Laboratory Systems, 2009, 99, 57-65.	1.8	43
23	Non-destructive tests on the prediction of apple fruit flesh firmness and soluble solids content on tree and in shelf life. Journal of Food Engineering, 2006, 77, 254-260.	2.7	234
24	Least-squares support vector machines modelization for time-resolved spectroscopy. Applied Optics, 2005, 44, 7091.	2.1	16
25	Sensors and measurements in solid state fermentation: a review. Process Biochemistry, 2003, 38, 881-896.	1.8	92
26	Authenticating white grape must variety with classification models based on aroma sensors, FT-IR and UV spectrometry. Journal of Food Engineering, 2003, 60, 407-419.	2.7	97
27	Fusion of aroma, FT-IR and UV sensor data based on the Bayesian inference. Application to the discrimination of white grape varieties. Chemometrics and Intelligent Laboratory Systems, 2003, 65, 209-219.	1.8	76
28	EPOâ€“PLS external parameter orthogonalisation of PLS application to temperature-independent measurement of sugar content of intact fruits. Chemometrics and Intelligent Laboratory Systems, 2003, 66, 191-204.	1.8	240
29	Robustness of Models Based on NIR Spectra for Sugar Content Prediction in Apples. Journal of Near Infrared Spectroscopy, 2003, 11, 97-107.	0.8	46
30	Pattern analysis techniques to process fermentation curves: Application to discrimination of enological alcoholic fermentations. Biotechnology and Bioengineering, 2002, 79, 804-815.	1.7	26
31	Aerobic Biodegradation of Polymers in Solidâ€State Conditions: A Review of Environmental and Physicochemical Parameter Settings in Laboratory Simulations.. ChemInform, 2002, 33, 290-290.	0.1	2
32	Title is missing!. Journal of Polymers and the Environment, 2001, 9, 39-48.	2.4	10
33	Title is missing!. Journal of Polymers and the Environment, 2000, 8, 183-195.	2.4	87
34	An automated test for measuring polymer biodegradation. Chemosphere, 2000, 41, 645-651.	4.2	52
35	Optimisation of electronic nose measurements. Part II: Influence of experimental parameters. Journal of Food Engineering, 1999, 39, 9-15.	2.7	26
36	Optimisation of electronic nose measurements. Part I: Methodology of output feature selection. Journal of Food Engineering, 1998, 37, 207-222.	2.7	54

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37	Quantitative Analysis of Individual Sugars during Starch Hydrolysis by FT-IR/ATR Spectrometry. Part II: Influence of External Factors and Wavelength Parameters. Applied Spectroscopy, 1995, 49, 563-568.	1.2	19
38	Near-Infrared Hyperspectral Imaging in Food and Agricultural Science. , 0, , 259-294.		9
39	GrapeMilDeWS. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 246-269.	0.3	4