

# Elvira Fernández de Ahumada

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4010036/publications.pdf>

Version: 2024-02-01

19  
papers

920  
citations

1163117

8  
h-index

940533

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1263  
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.                         | 11.4 | 668       |
| 2  | CovSel: Variable selection for highly multivariate and multi-response calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 106, 216-223.   | 3.5  | 93        |
| 3  | 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.   | 5.2  | 35        |
| 4  | Taking NIR Calibrations of Feed Compounds from the Laboratory to the Process: Calibration Transfer between Predispersive and Postdispersive Instruments. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10135-10141.     | 5.2  | 26        |
| 5  | Understanding Factors Affecting near Infrared Analysis of Potato Constituents. <i>Journal of Near Infrared Spectroscopy</i> , 2006, 14, 27-35.  | 1.5  | 25        |
| 6  | Feasibility of Diode-Array Instruments To Carry Near-Infrared Spectroscopy from Laboratory to Feed Process Control. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 3185-3192.  | 5.2  | 17        |
| 7  | Near Infrared Spectroscopy for Control of the Compound-Feed Manufacturing Process: Mixing Stage. <i>Journal of Near Infrared Spectroscopy</i> , 2008, 16, 285-290.  | 1.5  | 12        |
| 8  | Reducing NIR prediction errors with nonlinear methods and large populations of intact compound feedstuffs. <i>Measurement Science and Technology</i> , 2008, 19, 085601.  | 2.6  | 10        |
| 9  | 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.  | 5.4  | 7         |
| 10 | Evaluation of Local Approaches to Obtain Accurate Near-Infrared (NIR) Equations for Prediction of Ingredient Composition of Compound Feeds. <i>Applied Spectroscopy</i> , 2013, 67, 924-929.  | 2.2  | 7         |
| 11 | Effective Teacher Professional Development Programs. A Case Study Focusing on the Development of Mathematical Modeling Skills. <i>Education Sciences</i> , 2022, 12, 2.   | 2.6  | 6         |
| 12 | Multivariate Near-Infrared Reflection Spectroscopy Strategies for Ensuring Correct Labeling at Feed Bagging in the Animal Feed Industry. <i>Applied Spectroscopy</i> , 2010, 64, 83-91.   | 2.2  | 4         |
| 13 | A Methodology for Automatic Identification of Units with Ecological Significance in Dehesa Ecosystems. <i>Forests</i> , 2022, 13, 581.  | 2.1  | 4         |
| 14 | Designing an accompanying ecosystem to foster entrepreneurship among agronomic and forestry engineering students. Opinion and commitment of university lecturers. <i>European Journal of Engineering Education</i> , 2016, 41, 393-410. | 2.3  | 3         |
| 15 | Developing Number Sense: An Approach to Initiate Algebraic Thinking in Primary Education. <i>Mathematics</i> , 2021, 9, 518.  | 2.2  | 1         |
| 16 | Technology-enhanced Learning for Promoting Technical and Social Competences in Hydrological Science. <i>Technology, Knowledge and Learning</i> , 2021, 26, 985-997.   | 4.9  | 1         |
| 17 | A Tool for the Analysis and Characterization of School Mathematical Models. <i>Mathematics</i> , 2021, 9, 1569.   | 2.2  | 1         |
| 18 | How Often Do References Need to Be Measured When Using a near Infrared Diode Array Spectrometer. <i>Journal of Near Infrared Spectroscopy</i> , 2010, 18, 79-85.  | 1.5  | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Development of Calibration Models to Predict Mean Fibre Diameter in Llama (Lama glama) Fleeces with Near Infrared Spectroscopy. <i>Animals</i> , 2021, 11, 1998. | 2.3 | 0         |