

Determination of Ethanol and Methyl Tert-Butyl Ether (MTBE) in Gasoline by  
NIR-ATR-based Spectroscopy and Multiple Linear Regression (MLR) and  
Genetic Algorithm

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Analysis of Diesel Fuel Contamination in Soils by Near-Infrared Reflectance Spectrometry and Solid Phase Microextraction-Gas Chromatography. <i>Journal of Soil Contamination</i> , 1999, 8, 481-489.	0.5	41
2	ANALYTICAL CHEMISTRY IN BRAZIL. <i>Analytical Letters</i> , 2001, 34, 471-490.	1.8	2
3	Determination of triglycerides in human plasma using near-infrared spectroscopy and multivariate calibration methods. <i>Analytica Chimica Acta</i> , 2001, 446, 39-47.	5.4	20
4	Evaluation of Standardisation Methods of near Infrared Calibration Models. <i>Journal of Near Infrared Spectroscopy</i> , 2002, 10, 269-278.	1.5	29
5	NIR spectroscopy: a rapid-response analytical tool. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 240-250.	11.4	641
6	Determination of the carcinogenic potential of lubricant base oil using near infrared spectroscopy and chemometrics. <i>Tribology International</i> , 2003, 36, 691-696.	5.9	18
7	Determination of Asphalt Cement Properties by Near Infrared Spectroscopy and Chemometrics. <i>Petroleum Science and Technology</i> , 2004, 22, 589-600.	1.5	7
8	Determination of Lubricant Base Oil Properties by near Infrared Spectroscopy Using Different Sample and Variable Selection Methods. <i>Journal of Near Infrared Spectroscopy</i> , 2004, 12, 159-166.	1.5	9
9	Determination of biodiesel content when blended with mineral diesel fuel using infrared spectroscopy and multivariate calibration. <i>Microchemical Journal</i> , 2006, 82, 201-206.	4.5	157
10	Applications of Near-Infrared Spectroscopy in Refineries and Important Issues to Address. <i>Applied Spectroscopy Reviews</i> , 2007, 42, 251-285.	6.7	48
11	Characterization of petroleum using near-infrared spectroscopy: Quantitative modeling for the true boiling point curve and specific gravity. <i>Fuel</i> , 2007, 86, 1927-1934.	6.4	88
12	Using principal component analysis to find the best calibration settings for simultaneous spectroscopic determination of several gasoline properties. <i>Fuel</i> , 2008, 87, 3706-3709.	6.4	30
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14	A comprehensive study on the quality characteristics of sweet red pepper paste and the evaluation of near-infrared spectroscopy as a rapid alternative tool. <i>European Food Research and Technology</i> , 0, , .	3.3	1
15	Infrared spectroscopy for the quality assessment of Habanero chilli: a proof-of-concept study. <i>Journal of Food Measurement and Characterization</i> , 2023, 17, 1764-1774.	3.2	4