

Mirta R Alcaráz

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

642
citations

623734

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all docs

30
docs citations

30
times ranked

578
citing authors

#	ARTICLE	IF	CITATIONS
1	Second-order electrochemical data generation to quantify carvacrol in oregano essential oils. <i>Food Chemistry</i> , 2022, 368, 130840.	8.2	5
2	Exploring the potential of combining chemometric approaches to model non-linear multi-way data with quantitative purposes – A case study. <i>Analytica Chimica Acta</i> , 2021, 1141, 63-70.	5.4	4
3	Chemometric modeling for spatiotemporal characterization and self-depuration monitoring of surface water assessing the pollution sources impact of northern Argentina rivers. <i>Microchemical Journal</i> , 2021, 162, 105841.	4.5	6
4	Prospective inference of bioprocess cell viability through chemometric modeling of fluorescence multiway data. <i>Biotechnology Progress</i> , 2021, 37, e3173.	2.6	2
5	Chromatographic Applications in the Multi-Way Calibration Field. <i>Molecules</i> , 2021, 26, 6357.	3.8	7
6	On second-order calibration based on multivariate curve resolution in the presence of highly overlapped profiles. <i>Analytica Chimica Acta</i> , 2020, 1096, 53-60.	5.4	10
7	pH titration of β -lactoglobulin monitored by laser-based Mid-IR transmission spectroscopy coupled to chemometric analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 226, 117636.	3.9	19
8	A graphical user interface as a new tool for scattering correction in fluorescence data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 193, 103810.	3.5	14
9	Four- and five-way excitation-emission luminescence-based data acquisition and modeling for analytical applications. A review. <i>Analytica Chimica Acta</i> , 2019, 1083, 41-57.	5.4	16
10	An improved signal-conservative approach to cope with Rayleigh and Raman signals in fluorescence landscapes. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 187, 6-10.	3.5	10
11	Resolution of intermediate surface species by combining modulated infrared spectroscopy and chemometrics. <i>Analytica Chimica Acta</i> , 2019, 1049, 38-46.	5.4	14
12	Exploiting the synergistic effect of concurrent data signals: Low-level fusion of liquid chromatographic with dual detection data. <i>Talanta</i> , 2018, 186, 481-488.	5.5	12
13	Recent advancements of EC-QCL based mid-IR transmission spectroscopy of proteins and application to analysis of bovine milk I. <i>Biomedical Spectroscopy and Imaging</i> , 2018, 7, 35-45.	1.2	11
14	High-throughput chemometrically assisted flow-injection method for the simultaneous determination of multi-antiretrovirals in water. <i>Microchemical Journal</i> , 2018, 141, 80-86.	4.5	4
15	Multiway analysis through direct excitation-emission matrix imaging. <i>Analytica Chimica Acta</i> , 2018, 1032, 32-39.	5.4	13
16	Quantum chemical computation-based strategy for alternating least squares initialization in multivariate curve resolution analysis of spectral-pH data. <i>Microchemical Journal</i> , 2018, 140, 183-188.	4.5	3
17	External cavity-quantum cascade laser (EC-QCL) spectroscopy for protein analysis in bovine milk. <i>Analytica Chimica Acta</i> , 2017, 963, 99-105.	5.4	22
18	Application of MCR-ALS to reveal intermediate conformations in the thermally induced β -sheet transition of poly-L-lysine monitored by FT-IR spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 304-309.	3.9	25

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19	Third order chromatographic-excitation-emission fluorescence data: Advances, challenges and prospects in analytical applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 93, 119-133.	11.4	23
20	Open-Source Assisted Laboratory Automation through Graphical User Interfaces and 3D Printers: Application to Equipment Hyphenation for Higher-Order Data Generation. <i>Analytical Chemistry</i> , 2017, 89, 10667-10672.	6.5	13
21	EC-QCL mid-IR transmission spectroscopy for monitoring dynamic changes of protein secondary structure in aqueous solution on the example of β^2 -aggregation in alcohol-denaturated β -chymotrypsin. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3933-3941.	3.7	29
22	External cavity-quantum cascade laser infrared spectroscopy for secondary structure analysis of proteins at low concentrations. <i>Scientific Reports</i> , 2016, 6, 33556.	3.3	57
23	Enhanced fluorescence sensitivity by coupling yttrium-analyte complexes and three-way fast high-performance liquid chromatography data modeling. <i>Analytica Chimica Acta</i> , 2016, 902, 50-58.	5.4	20
24	External-Cavity Quantum Cascade Laser Spectroscopy for Mid-IR Transmission Measurements of Proteins in Aqueous Solution. <i>Analytical Chemistry</i> , 2015, 87, 6980-6987.	6.5	80
25	A new modeling strategy for third-order fast high-performance liquid chromatographic data with fluorescence detection. Quantitation of fluoroquinolones in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1999-2011.	3.7	32
26	Modeling excitation-emission fluorescence matrices with pattern recognition algorithms for classification of Argentine white wines according grape variety. <i>Food Chemistry</i> , 2015, 184, 214-219.	8.2	73
27	The Successive Projections Algorithm for interval selection in trilinear partial least-squares with residual bilinearization. <i>Analytica Chimica Acta</i> , 2014, 811, 13-22.	5.4	14
28	Modeling of second-order spectrophotometric data generated by a pH-gradient flow injection technique for the determination of doxorubicin in human plasma. <i>Microchemical Journal</i> , 2014, 112, 25-33.	4.5	23
29	Ultrafast quantitation of six quinolones in water samples by second-order capillary electrophoresis data modeling with multivariate curve resolution-alternating least squares. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2571-2580.	3.7	36
30	Modeling four and three-way fast high-performance liquid chromatography with fluorescence detection data for quantitation of fluoroquinolones in water samples. <i>Analytica Chimica Acta</i> , 2014, 809, 37-46.	5.4	45