

Olivier Devos

List of Publications by Year in descending order

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32
papers

1,034
citations

471509

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414414

32
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docs citations

34
times ranked

1376
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Multilinear Slicing for curve resolution of fluorescence imaging with sequential illumination. <i>Talanta</i> , 2022, 241, 123231. | 5.5 | 1 |
| 2 | Hierarchical classification and matching of mid-infrared spectra of paint samples for forensic applications. <i>Talanta</i> , 2022, 243, 123360. | 5.5 | 5 |
| 3 | Multivariate Curve Resolution Slicing of Multiexponential Time-Resolved Spectroscopy Fluorescence Data. <i>Analytical Chemistry</i> , 2021, 93, 12504-12513. | 6.5 | 9 |
| 4 | Visible Light Backscattering Monitored in Situ for Transitional Phase Inversion of BrijL4â€“Isopropyl Myristateâ€“Water Emulsions. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 20195-20202. | 3.7 | 3 |
| 5 | Analysis of the ambiguity in the determination of quantum yields from spectral data on a photoinduced isomerization. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 189, 88-95. | 3.5 | 3 |
| 6 | Photochemical multivariate curve resolution models for the investigation of photochromic systems under continuous irradiation. <i>Analytica Chimica Acta</i> , 2019, 1053, 32-42. | 5.4 | 4 |
| 7 | Multivariate statistical process control (MSPC) using Raman spectroscopy for in-line culture cell monitoring considering time-varying batches synchronized with correlation optimized warping (COW). <i>Analytica Chimica Acta</i> , 2017, 952, 9-17. | 5.4 | 42 |
| 8 | Improved superresolution microscopy imaging by sparse deconvolution with an interframe penalty. <i>Journal of Chemometrics</i> , 2017, 31, e2847. | 1.3 | 15 |
| 9 | Sparse deconvolution of high-density super-resolution images. <i>Scientific Reports</i> , 2016, 6, 21413. | 3.3 | 48 |
| 10 | A Smoothness Constraint in Multivariate Curve Resolution-Alternating Least Squares of Spectroscopy Data. <i>Data Handling in Science and Technology</i> , 2016, 30, 453-476. | 3.1 | 1 |
| 11 | New insights into the photoswitching mechanisms of normal dithienylethenes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28091-28100. | 2.8 | 22 |
| 12 | Multivariate Curve Resolution of (Ultra)Fast Photoinduced Process Spectroscopy Data. <i>Data Handling in Science and Technology</i> , 2016, , 353-379. | 3.1 | 1 |
| 13 | New Insights on the Composition and the Structure of the Acellular Extrinsic Fiber Cementum by Raman Analysis. <i>PLoS ONE</i> , 2016, 11, e0167316. | 2.5 | 29 |
| 14 | On-line prediction of antibody titer by Raman spectroscopy and chemometrics. <i>Journal of Biotechnology</i> , 2015, 208, S28. | 3.8 | 0 |
| 15 | Constraining shape smoothness in multivariate curve resolutionâ€“alternating least squares. <i>Journal of Chemometrics</i> , 2015, 29, 448-456. | 1.3 | 21 |
| 16 | On the implementation of spatial constraints in multivariate curve resolution alternating least squares for hyperspectral image analysis. <i>Journal of Chemometrics</i> , 2015, 29, 557-561. | 1.3 | 38 |
| 17 | In-line and real-time prediction of recombinant antibody titer by in-situ Raman spectroscopy. <i>Analytica Chimica Acta</i> , 2015, 892, 148-152. | 5.4 | 58 |
| 18 | Simultaneous data pre-processing and SVM classification model selection based on a parallel genetic algorithm applied to spectroscopic data of olive oils. <i>Food Chemistry</i> , 2014, 148, 124-130. | 8.2 | 104 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Mixture models for two-dimensional baseline correction, applied to artifact elimination in time-resolved spectroscopy. <i>Analytica Chimica Acta</i> , 2013, 771, 7-13. | 5.4 | 18 |
| 20 | Multivariate curve resolution " Alternating least squares applied to the investigation of ultrafast competitive photoreactions. <i>Analytica Chimica Acta</i> , 2013, 788, 8-16. | 5.4 | 17 |
| 21 | Comparison of Two-Dimensional Fast Raman Imaging versus Point-by-Point Acquisition Mode for Human Bone Characterization. <i>Analytical Chemistry</i> , 2012, 84, 9116-9123. | 6.5 | 17 |
| 22 | Analysis of Argan Oil Adulteration Using Infrared Spectroscopy. <i>Spectroscopy Letters</i> , 2012, 45, 458-463. | 1.0 | 28 |
| 23 | Characterisation of heavy oils using near-infrared spectroscopy: Optimisation of pre-processing methods and variable selection. <i>Analytica Chimica Acta</i> , 2011, 705, 227-234. | 5.4 | 54 |
| 24 | Baseline correction methods to deal with artifacts in femtosecond transient absorption spectroscopy. <i>Analytica Chimica Acta</i> , 2011, 705, 64-71. | 5.4 | 17 |
| 25 | Parallel genetic algorithm co-optimization of spectral pre-processing and wavelength selection for PLS regression. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 107, 50-58. | 3.5 | 47 |
| 26 | Gaussian mixture models for the classification of high-dimensional vibrational spectroscopy data. <i>Journal of Chemometrics</i> , 2010, 24, 719-727. | 1.3 | 21 |
| 27 | Support vector machines (SVM) in near infrared (NIR) spectroscopy: Focus on parameters optimization and model interpretation. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 96, 27-33. | 3.5 | 211 |
| 28 | Genetic algorithm optimisation combined with partial least squares regression and mutual information variable selection procedures in near-infrared quantitative analysis of cotton " viscose textiles. <i>Analytica Chimica Acta</i> , 2007, 595, 72-79. | 5.4 | 100 |
| 29 | EXHAUST EMISSIONS OF PAHs OF PASSENGER CARS. <i>Polycyclic Aromatic Compounds</i> , 2006, 26, 69-78. | 2.6 | 37 |
| 30 | Correction of Inner Filter Effect in Mirror Coating Cells for Trace Level Fluorescence Measurements. <i>Analytical Chemistry</i> , 2003, 75, 2790-2795. | 6.5 | 35 |
| 31 | Use of a Plackett " Burman Design with Multivariate Calibration for the Analysis of Polycyclic Aromatic Hydrocarbons in Micellar Media by Synchronous Fluorescence. <i>Analytical Chemistry</i> , 2002, 74, 678-683. | 6.5 | 22 |
| 32 | Weighted fuzzy clustering for (fuzzy) constraints in multivariate image analysis " alternating least square of hyperspectral images. <i>Journal of Spectral Imaging</i> , 0, , . | 0.0 | 4 |