

Slobodan A aÄjiÄ

List of Publications by Year in descending order

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50
papers

1,569
citations

304743

22
h-index

302126

39
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55
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55
docs citations

55
times ranked

1263
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivariate Calibration of Sulfur in Sour Crude Oils via Near-Infrared Spectra. <i>Energy & Fuels</i> , 2021, 35, 6673-6680.	5.1	5
2	Raman chemical imaging of intact non-flat tablets in regular and high-confocal mode. <i>Analytical Methods</i> , 2020, 12, 471-482.	2.7	1
3	Multivariate Calibration of Total Acid Number in Crude Oils via Near-Infrared Spectra. <i>Energy & Fuels</i> , 2020, 34, 6974-6980.	5.1	8
4	Fast Raman chemical imaging of tablets with non-flat surfaces. <i>International Journal of Pharmaceutics</i> , 2019, 565, 143-150.	5.2	9
5	Multivariate modeling of diffuse reflectance infrared fourier transform (DRIFT) spectra of mixtures with low-content polymorphic impurities with analysis of outliers. <i>International Journal of Pharmaceutics</i> , 2018, 536, 251-260.	5.2	4
6	DRIFTS-based multivariate calibration and prediction of low-concentration polymorphic impurities in multiple lots of an active pharmaceutical ingredient, and outlier criteria. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 148, 265-272.	2.8	0
7	Detailed analysis of the online near-infrared spectra of pharmaceutical blend in a rotary tablet press feed frame. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 103, 73-79.	2.8	44
8	Determining API domain sizes in pharmaceutical tablets and blends upon varying milling conditions by near-infrared chemical imaging. <i>Analytical Methods</i> , 2013, 5, 2360.	2.7	22
9	Raman Chemical Mapping of Magnesium Stearate Delivered by a Punch-Face Lubrication System on the Surface of Placebo and Active Tablets. <i>Applied Spectroscopy</i> , 2013, 67, 1073-1079.	2.2	9
10	Internal Multiple-Scattering Hole-Enhanced Raman Spectroscopy: Improved Backscattering Fourier Transform Raman Sampling in Pharmaceutical Tablets Utilizing Cylindrical“Conical Holes. <i>Applied Spectroscopy</i> , 2012, 66, 892-902.	2.2	8
11	Multivariate Statistical Analysis of Raman Images of a Pharmaceutical Tablet. <i>Applied Spectroscopy</i> , 2012, 66, 272-281.	2.2	15
12	Monitoring the dissolution of active pharmaceutical ingredient and TPGS in real time via IR spectroscopy during the manufacturing of liquid dosage formulation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 70, 273-279.	2.8	1
13	Raman Chemical Mapping of Low-Content Active Pharmaceutical Ingredient Formulations. III. Statistically Optimized Sampling and Detection of Polymorphic Forms in Tablets on Stability. <i>Analytical Chemistry</i> , 2012, 84, 1019-1025.	6.5	34
14	Monitoring of API particle size during solid dosage form manufacturing process by chemical imaging and particle sizing. <i>Analytical Methods</i> , 2011, 3, 568.	2.7	12
15	Parallel imaging of active pharmaceutical ingredients in some tablets and blends on Raman and near-infrared mapping and imaging platforms. <i>Analytical Methods</i> , 2011, 3, 806.	2.7	5
16	Characterizing the Structure of Pharmaceutical Granules Obtained by Wet Granulation with Varying Amounts of Water via Raman Chemical Imaging. <i>Applied Spectroscopy</i> , 2011, 65, 1291-1299.	2.2	5
17	Determining the coating thickness of tablets by chiseling and image analysis. <i>International Journal of Pharmaceutics</i> , 2010, 397, 109-115.	5.2	6
18	Global illumination Raman chemical imaging of a combination of two drug molecules in a dry powder inhaler formulation. <i>Analytical Methods</i> , 2010, 2, 1528.	2.7	11

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19	Chemical imaging of pharmaceutical granules by Raman global illumination and near-infrared mapping platforms. <i>Analytica Chimica Acta</i> , 2008, 611, 73-79.	5.4	33
20	Two-Dimensional Correlation Analysis of Nuclear Magnetic Resonance Metabonomics Data. <i>Applied Spectroscopy</i> , 2008, 62, 840-846.	2.2	19
21	Raman Mapping of Low-Content Active-Ingredient Pharmaceutical Formulations. Part II: Statistically Optimized Sampling for Detection of Less Than 1% of an Active Pharmaceutical Ingredient. <i>Applied Spectroscopy</i> , 2008, 62, 916-921.	2.2	20
22	An In-Depth Analysis of Raman and Near-Infrared Chemical Images of Common Pharmaceutical Tablets. <i>Applied Spectroscopy</i> , 2007, 61, 239-250.	2.2	86
23	Detailed interpretation of the results of two-dimensional correlation analysis of infrared spectra obtained during isothermal crystallization of isotactic polystyrene and poly(3-hydroxybutyrate). <i>Vibrational Spectroscopy</i> , 2007, 44, 50-55.	2.2	7
24	Defining a Strategy for Chemical Imaging of Industrial Pharmaceutical Samples on Raman Line-Mapping and Global Illumination Instruments. <i>Applied Spectroscopy</i> , 2006, 60, 494-502.	2.2	51
25	Classification of single-molecule surface-enhanced resonance Raman spectra of Rhodamine 6G from isolated Ag colloidal particles by principal component analysis. <i>Vibrational Spectroscopy</i> , 2006, 40, 184-191.	2.2	10
26	Raman Mapping of Low-Content API Pharmaceutical Formulations. I. Mapping of Alprazolam in Alprazolam/Xanax Tablets. <i>Pharmaceutical Research</i> , 2006, 24, 58-65.	3.5	66
27	Chemical images: Technical approaches and issues. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006, 69A, 815-824.	1.5	31
28	Two-dimensional correlation spectroscopy as a tool for analyzing vibrational images. <i>Vibrational Spectroscopy</i> , 2005, 37, 217-224.	2.2	20
29	Detailed analysis of single-molecule surface-enhanced resonance Raman scattering spectra of Rhodamine 6G obtained from isolated nano-aggregates of colloidal silver. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 593-599.	2.5	43
30	Raman line mapping as a fast method for analyzing pharmaceutical bead formulations. <i>Analyst, The</i> , 2005, 130, 1530.	3.5	33
31	Analyzing Raman Maps of Pharmaceutical Products by Sample- ² Sample Two-Dimensional Correlation. <i>Applied Spectroscopy</i> , 2005, 59, 630-638.	2.2	22
32	Two-dimensional (2D) correlation coefficient analyses of heavily overlapped near-infrared spectra. <i>Analyst, The</i> , 2005, 130, 652-658.	3.5	3
33	A comparison of Raman chemical images produced by univariate and multivariate data processing ² a simulation with an example from pharmaceutical practice. <i>Analyst, The</i> , 2004, 129, 1001-1007.	3.5	60
34	Resolution of two-way data from spectroscopic monitoring of reaction or process systems by parallel vector analysis (PVA) and window factor analysis (WFA): inspection of the effect of mass balance, methods and simulations. <i>Journal of Chemometrics</i> , 2003, 17, 186-197.	1.3	38
35	Potentials of variable ² variable and sample ² sample, generalized and statistical, two-dimensional correlation spectroscopies in investigations of chemical reactions. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2003, 65, 1-15.	3.5	14
36	Applications of Moving Window Two-Dimensional Correlation Spectroscopy to Analysis of Phase Transitions and Spectra Classification. <i>Analytical Chemistry</i> , 2003, 75, 4010-4018.	6.5	59

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37	Moving Window Two-Dimensional Correlation Spectroscopy and Determination of Signal-To-Noise Threshold in Correlation Spectra. <i>Applied Spectroscopy</i> , 2003, 57, 996-1006.	2.2	16
38	Near Infrared Spectra of Pellets and Thin Films of High-Density, Low-Density and Linear Low-Density Polyethylenes and Prediction of Their Physical Properties by Multivariate Data Analysis. <i>Journal of Near Infrared Spectroscopy</i> , 2003, 11, 309-321.	1.5	26
39	Self-modeling curve resolution analysis of on-line vibrational spectra of polymerisation and transesterification. <i>Macromolecular Symposia</i> , 2002, 184, 229-248.	0.7	4
40	Raman spectra of high-density, low-density, and linear low-density polyethylene pellets and prediction of their physical properties by multivariate data analysis. <i>Journal of Applied Polymer Science</i> , 2002, 86, 443-448.	2.6	119
41	Short-Wave Near-Infrared Spectroscopy of Biological Fluids. 1. Quantitative Analysis of Fat, Protein, and Lactose in Raw Milk by Partial Least-Squares Regression and Band Assignment. <i>Analytical Chemistry</i> , 2001, 73, 64-71.	6.5	195
42	Sample~Sample and Wavenumber~Wavenumber Two-Dimensional Correlation Analyses of Attenuated Total Reflection Infrared Spectra of Polycondensation Reaction of Bis(Hydroxyethyl terephthalate). <i>Analytical Chemistry</i> , 2001, 73, 5184-5190.	6.5	40
43	Comparison of Principal Component Analysis and Generalized Two-Dimensional Correlation Spectroscopy: Spectral Analysis of Synthetic Model System and Near-Infrared Spectra of Milk. <i>Applied Spectroscopy</i> , 2001, 55, 29-38.	2.2	28
44	Wavelength~Wavelength and Sample~Sample Two-Dimensional Correlation Analyses of Short-Wave Near-Infrared Spectra of Raw Milk. <i>Applied Spectroscopy</i> , 2001, 55, 163-172.	2.2	32
45	New Insight into the Mathematical Background of Generalized Two-Dimensional Correlation Spectroscopy and the Influence of Mean Normalization Pretreatment on Two-Dimensional Correlation Spectra. <i>Applied Spectroscopy</i> , 2001, 55, 343-349.	2.2	50
46	Statistical Two-Dimensional Correlation Spectroscopy: Its Theory and Applications to Sets of Vibrational Spectra. <i>Analytical Chemistry</i> , 2001, 73, 2294-2301.	6.5	44
47	Fourier-Transform Raman Spectroscopic On-Line Monitoring of the Anionic Dispersion Block Copolymerization of Styrene and 1,3-Butadiene. <i>Macromolecular Rapid Communications</i> , 2001, 22, 690-693.	3.9	16
48	A New Possibility of the Generalized Two-Dimensional Correlation Spectroscopy. 2. Sample~Sample and Wavenumber~Wavenumber Correlations of Temperature-Dependent Near-Infrared Spectra of Oleic Acid in the Pure Liquid State. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6388-6394.	2.5	63
49	A New Possibility of the Generalized Two-Dimensional Correlation Spectroscopy. 1. Sample~Sample Correlation Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6380-6387.	2.5	105
50	Raman Chemical Imaging of Solid Dosage Formulations. , 0, , 163-192.		0