

Michał Daszykowski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7312270/publications.pdf>

Version: 2024-02-01

79
papers

3,399
citations

172207

29
h-index

149479

56
g-index

80
all docs

80
docs citations

80
times ranked

3870
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust statistics in data analysis – A review. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007, 85, 203-219.	1.8	263
2	Representative subset selection. <i>Analytica Chimica Acta</i> , 2002, 468, 91-103.	2.6	254
3	Revised DBSCAN algorithm to cluster data with dense adjacent clusters. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 120, 92-96.	1.8	226
4	Looking for natural patterns in data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2001, 56, 83-92.	1.8	222
5	TOMCAT: A MATLAB toolbox for multivariate calibration techniques. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007, 85, 269-277.	1.8	170
6	A comparison of three algorithms for chromatograms alignment. <i>Journal of Chromatography A</i> , 2006, 1118, 199-210.	1.8	154
7	Projection methods in chemistry. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2003, 65, 97-112.	1.8	113
8	Dealing with missing values and outliers in principal component analysis. <i>Talanta</i> , 2007, 72, 172-178.	2.9	105
9	Use and abuse of chemometrics in chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 1081-1096.	5.8	101
10	Prediction of total green tea antioxidant capacity from chromatograms by multivariate modeling. <i>Journal of Chromatography A</i> , 2005, 1096, 177-186.	1.8	95
11	Looking for Natural Patterns in Analytical Data. 2. Tracing Local Density with OPTICS. <i>Journal of Chemical Information and Computer Sciences</i> , 2002, 42, 500-507.	2.8	88
12	Metabolomics provide new insights on lung cancer staging and discrimination from chronic obstructive pulmonary disease. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 100, 369-380.	1.4	85
13	Density-Based Clustering Methods. , 2009, , 635-654.		76
14	Determining orthogonal chromatographic systems prior to the development of methods to characterise impurities in drug substances. <i>Journal of Chromatography A</i> , 2003, 988, 77-93.	1.8	68
15	Peak Alignment of Urine NMR Spectra Using Fuzzy Warping. <i>Journal of Chemical Information and Modeling</i> , 2006, 46, 863-875.	2.5	62
16	Start-to-end processing of two-dimensional gel electrophoretic images. <i>Journal of Chromatography A</i> , 2007, 1158, 306-317.	1.8	60
17	Robust partial least squares model for prediction of green tea antioxidant capacity from chromatograms. <i>Journal of Chromatography A</i> , 2007, 1176, 12-18.	1.8	53
18	Retention Prediction of Peptides Based on Uninformative Variable Elimination by Partial Least Squares. <i>Journal of Proteome Research</i> , 2006, 5, 1618-1625.	1.8	52

#	ARTICLE	IF	CITATIONS
19	Target selection for alignment of chromatographic signals obtained using monochannel detectors. <i>Journal of Chromatography A</i> , 2007, 1176, 1-11.	1.8	51
20	Near-infrared reflectance spectroscopy and multivariate calibration techniques applied to modelling the crude protein, fibre and fat content in rapeseed meal. <i>Analyst, The</i> , 2008, 133, 1523.	1.7	50
21	Multivariate adaptive regression splines studies of HIV reverse transcriptase inhibitors. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004, 72, 27-34.	1.8	45
22	Identification of ground meat species using near-infrared spectroscopy and class modeling techniques aspects of optimization and validation using a one-class classification model. <i>Meat Science</i> , 2018, 139, 15-24.	2.7	44
23	Prediction of enantioselectivity using chirality codes and Classification and Regression Trees. <i>Analytica Chimica Acta</i> , 2005, 544, 315-326.	2.6	41
24	Automated alignment of one-dimensional chromatographic fingerprints. <i>Journal of Chromatography A</i> , 2010, 1217, 6127-6133.	1.8	40
25	Classification and Regression Trees Studies of HIV Reverse Transcriptase Inhibitors. <i>Journal of Chemical Information and Computer Sciences</i> , 2004, 44, 716-726.	2.8	37
26	Chemometrics and the identification of counterfeit medicines A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 127, 112-122.	1.4	37
27	Robust SIMCA-bounding influence of outliers. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007, 87, 95-103.	1.8	35
28	Impurity fingerprints for the identification of counterfeit medicines A feasibility study. <i>Analytica Chimica Acta</i> , 2011, 701, 224-231.	2.6	35
29	Clustering in Analytical Chemistry. <i>Journal of AOAC INTERNATIONAL</i> , 2014, 97, 29-38.	0.7	33
30	On the Optimal Partitioning of Data with K-Means, Growing K-Means, Neural Gas, and Growing Neural Gas. <i>Journal of Chemical Information and Computer Sciences</i> , 2002, 42, 1378-1389.	2.8	32
31	Evaluation of chemometric techniques to select orthogonal chromatographic systems. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 141-151.	1.4	31
32	Isotopic ratios to detect infringements of patents or proprietary processes of pharmaceuticals: Two case studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 27-41.	1.4	31
33	The Proteomic Analysis of Primary Cortical Astrocyte Cell Culture after Morphine Administration. <i>Journal of Proteome Research</i> , 2009, 8, 4633-4640.	1.8	28
34	The Monte Carlo validation framework for the discriminant partial least squares model extended with variable selection methods applied to authenticity studies of Viagra® based on chromatographic impurity profiles. <i>Analyst, The</i> , 2016, 141, 1060-1070.	1.7	28
35	A journey into low-dimensional spaces with autoassociative neural networks. <i>Talanta</i> , 2003, 59, 1095-1105.	2.9	27
36	Multivariate discrimination of wines with respect to their grape varieties and vintages. <i>European Food Research and Technology</i> , 2010, 231, 733-743.	1.6	27

#	ARTICLE	IF	CITATIONS
37	From projection pursuit to other unsupervised chemometric techniques. <i>Journal of Chemometrics</i> , 2007, 21, 270-279.	0.7	26
38	Matching 2D gel electrophoresis images with Matlab "Image Processing Toolbox"™. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 96, 188-195.	1.8	24
39	Modeling of the total antioxidant capacity of rooibos (<i>Aspalathus linearis</i>) tea infusions from chromatographic fingerprints and identification of potential antioxidant markers. <i>Journal of Chromatography A</i> , 2014, 1366, 101-109.	1.8	21
40	Chromatographic impurity fingerprinting of genuine and counterfeit Cialis® as a means to compare the discriminating ability of PDA and MS detection. <i>Talanta</i> , 2016, 146, 540-548.	2.9	21
41	Improving QSAR models for the biological activity of HIV Reverse Transcriptase inhibitors: Aspects of outlier detection and uninformative variable elimination. <i>Talanta</i> , 2005, 68, 54-60.	2.9	19
42	Identifying potential biomarkers in LC-MS data. <i>Journal of Chemometrics</i> , 2007, 21, 292-302.	0.7	19
43	Simultaneous determination of Solvent Yellow 124 and Solvent Red 19 in diesel oil using fluorescence spectroscopy and chemometrics. <i>Talanta</i> , 2012, 101, 78-84.	2.9	19
44	Dissimilarity partial least squares applied to non-linear modeling problems. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 110, 156-162.	1.8	19
45	Detection of discoloration in diesel fuel based on gas chromatographic fingerprints. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1159-1170.	1.9	19
46	No-alignment-strategies for exploring a set of two-way data tables obtained from capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1192, 157-165.	1.8	18
47	A methodology to detect outliers/inliers in prediction with PLS. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2003, 68, 17-28.	1.8	17
48	Improvement of recyclable plastic waste detection " A novel strategy for the construction of rigorous classifiers based on the hyperspectral images. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 187, 28-40.	1.8	17
49	Density-based clustering for exploration of analytical data. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 380, 370-372.	1.9	16
50	Recognizing paracetamol formulations with the same synthesis pathway based on their trace-enriched chromatographic impurity profiles. <i>Analytica Chimica Acta</i> , 2009, 655, 43-51.	2.6	16
51	Methods for the exploratory analysis of two-dimensional chromatographic signals. <i>Talanta</i> , 2011, 83, 1088-1097.	2.9	16
52	Improvement of classification using robust soft classification rules for near-infrared reflectance spectral data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 109, 86-93.	1.8	16
53	Exploring and modelling the responses of electrospray and atmospheric pressure chemical ionization techniques based on molecular descriptors. <i>Analytica Chimica Acta</i> , 2005, 550, 92-106.	2.6	15
54	Chemometrical exploration of an isotopic ratio data set of acetylsalicylic acid. <i>Analytica Chimica Acta</i> , 2005, 552, 1-12.	2.6	14

#	ARTICLE	IF	CITATIONS
55	Automatic preprocessing of electrophoretic images. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 97, 132-140.	1.8	14
56	Identifying the illegal removal from diesel oil of certain chemical markers that designate excise duty. <i>Fuel</i> , 2014, 117, 224-229.	3.4	13
57	Chemometrical exploration of the wet precipitation chemistry from the Austrian Monitoring Network (1988-1999). <i>Journal of Environmental Management</i> , 2005, 74, 349-363.	3.8	11
58	Explaining a presence of groups in analytical data in terms of original variables. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005, 78, 19-29.	1.8	11
59	Testing of complementarity of PDA and MS detectors using chromatographic fingerprinting of genuine and counterfeit samples containing sildenafil citrate. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1643-1656.	1.9	11
60	Identification of similar and orthogonal chromatographic thin-layer systems for two-dimensional separations of flavonoids and their analogues. <i>Acta Chromatographica</i> , 2008, 20, 283-307.	0.7	10
61	Controlling sugar quality on the basis of fluorescence fingerprints using robust calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 110, 89-96.	1.8	10
62	A rapid validation of the antioxidant capacity of food commodities based on their fluorescence excitation emission spectra as applicable to coffee and peppermint extracts. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 137, 74-81.	1.8	10
63	Prediction of the hydrophilic antioxidant capacity of tomato pastes from the IR and fluorescence excitation-emission spectra of extracts and intact samples. <i>Talanta</i> , 2015, 138, 64-70.	2.9	10
64	Comparative analysis of the chromatographic fingerprints of twenty different sage (<i>Salvia</i> L.) species. <i>Acta Chromatographica</i> , 2009, 21, 513-530.	0.7	8
65	Avoiding spots detection in analysis of electrophoretic gel images. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010, 104, 2-7.	1.8	7
66	Robust Methods in Analysis of Multivariate Food Chemistry Data. <i>Data Handling in Science and Technology</i> , 2013, , 315-340.	3.1	7
67	Recent trends in the use of liquid fuel taggants and their analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 87, 98-111.	5.8	7
68	Detecting chemical markers to uncover counterfeit rebated excise duty diesel oil. <i>Talanta</i> , 2019, 204, 229-237.	2.9	6
69	Multi-wavelength imaging of HPTLC plates using a constructed illumination chamber with a smartphone camera as the detector. <i>Talanta</i> , 2021, 221, 121599.	2.9	6
70	Expert system for monitoring the tributyltin content in inland water samples. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 149, 123-131.	1.8	5
71	Studying the stability of Solvent Red 19 and 23 as excise duty components under the influence of controlled factors. <i>Fuel Processing Technology</i> , 2020, 206, 106465.	3.7	5
72	Density-Based Clustering Methods. , 2009, , 565-580.		4

#	ARTICLE	IF	CITATIONS
73	Exploratory Analysis of Metabolomic Data. Comprehensive Analytical Chemistry, 2018, 82, 227-264.	0.7	4
74	Near-infrared hyperspectral imaging for polymer particle size estimation. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110201.	2.5	4
75	Probing an Artificial Polypeptide Receptor Library Using a Series of Novel Histamine H3 Receptor Ligands. Combinatorial Chemistry and High Throughput Screening, 2014, 17, 141-156.	0.6	3
76	Robust Methods in Qsar. Challenges and Advances in Computational Chemistry and Physics, 2010, , 177-208.	0.6	1
77	Assessment of the Kernel Gram Matrix Representation of Data in Order to Avoid the Alignment of Chromatographic Signals. Molecules, 2021, 26, 621.	1.7	0
78	Recenzja. Narracje O Zagładzie, 2021, , 53-91.	0.1	0
79	Chemometria w metabolomice i proteomice. , 2010, , .		0