

Peter De B Harrington

List of Publications by Year in descending order

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183
papers

4,217
citations

101496

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51
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docs citations

186
times ranked

3711
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Activity/Property Prediction from Chemical Structures. <i>Critical Reviews in Analytical Chemistry</i> , 2024, 54, 135-147.	1.8	0
2	Electrospray Ionization Ion Mobility Mass Spectrometry. <i>Critical Reviews in Analytical Chemistry</i> , 2023, 53, 483-497.	1.8	6
3	Analysis of Wine and Its Use in Tracing the Origin of Grape Cultivation. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 1901-1912.	1.8	2
4	A quantitative reliability metric for querying large database. <i>Forensic Science International</i> , 2022, 331, 111155.	1.3	0
5	Development of a Metabolite Ratio Rule-Based Method for Automated Metabolite Profiling and Species Differentiation of Four Major Cinnamon Species. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5450-5457.	2.4	2
6	A Techno-economic Analysis for Integrating an Electrochemical Reactor into a Lignocellulosic Biorefinery for Production of Industrial Chemicals and Hydrogen. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 791-806.	1.4	3
7	An electrostatic repulsion strategy for a highly selective and sensitive "switch-on" fluorescence sensor of ascorbic acid based on the cysteamine-coated CdTe quantum dots and cerium(IV). <i>New Journal of Chemistry</i> , 2021, 45, 6301-6307.	1.4	8
8	Chemometric applications in metabolomic studies using chromatography-mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116165.	5.8	39
9	Multivariate Analysis Aided Surface-Enhanced Raman Spectroscopy (MVA-SERS) Multiplex Quantitative Detection of Trace Fentanyl in Illicit Drug Mixtures Using a Handheld Raman Spectrometer. <i>Applied Spectroscopy</i> , 2021, 75, 1225-1236.	1.2	18
10	In Situ Determination of Cannabidiol in Hemp Oil by Near-Infrared Spectroscopy. <i>Journal of Natural Products</i> , 2021, 84, 2851-2857.	1.5	7
11	Electrospray Ionization Ion Mobility Mass Spectrometry. <i>Critical Reviews in Analytical Chemistry</i> , 2021, 53, 1-15.	1.8	0
12	Analysis of phenolic compositions in cranberry dietary supplements using UHPLC-HRMS. <i>Journal of Food Composition and Analysis</i> , 2020, 86, 103362.	1.9	5
13	Electrostatic repulsion strategy for high-sensitive and selective determination of dopamine in the presence of uric acid and ascorbic acid. <i>Talanta</i> , 2020, 210, 120626.	2.9	29
14	Study on Human Urinary Metabolic Profiles after Consumption of Kale and Daikon Radish using a High-resolution Mass Spectrometry-Based Non-targeted and Targeted Metabolomic Approach. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14307-14318.	2.4	2
15	Metabolomic profiling and comparison of major cinnamon species using UHPLC-HRMS. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7669-7681.	1.9	17
16	Quantitative analysis of proanthocyanidins in cocoa using cysteamine-induced thiolysis and reversed-phase UPLC. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4343-4352.	1.9	4
17	Enhanced zippy restricted Boltzmann machine for feature expansion and improved classification of analytical data. <i>Journal of Chemometrics</i> , 2020, 34, e3228.	0.7	2
18	Application of Generalized Standard Addition Method and Ultraviolet Spectroscopy to Quantify Electrolytic Depolymerization of Lignin. <i>Journal of Analysis and Testing</i> , 2020, 4, 35-44.	2.5	4

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19	Analysis of cranberry proanthocyanidins using UPLC- ^{ion mobility} -high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3653-3662.	1.9	8
20	Self-Optimizing Support Vector Elastic Net. <i>Analytical Chemistry</i> , 2020, 92, 15306-15316.	3.2	5
21	Biomass-Depolarized Electrolysis. <i>Journal of the Electrochemical Society</i> , 2019, 166, E317-E322.	1.3	15
22	Pipeline for High-Throughput Modeling of Marijuana and Hemp Extracts. <i>Analytical Chemistry</i> , 2019, 91, 14489-14497.	3.2	5
23	Automatic soft independent modeling for class analogies. <i>Analytica Chimica Acta</i> , 2019, 1090, 47-56.	2.6	8
24	A highly selective and sensitive electrochemical sensor for tryptophan based on the excellent surface adsorption and electrochemical properties of PSS functionalized graphene. <i>Talanta</i> , 2019, 196, 309-316.	2.9	36
25	Noninteger Root Transformations for Preprocessing Nanoelectrospray Ionization High-Resolution Mass Spectra for the Classification of Cannabis. <i>Analytical Chemistry</i> , 2019, 91, 1328-1334.	3.2	0
26	Classification of Sand Grains by Terahertz Time-Domain Spectroscopy and Chemometrics. <i>International Journal of Environmental Research</i> , 2019, 13, 143-160.	1.1	5
27	An ultrasensitive chemiluminescence immunoassay for fumonisin B ₁ detection in cereals based on gold-coated magnetic nanoparticles. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 3384-3390.	1.7	22
28	Feature expansion by a continuous restricted Boltzmann machine for near-infrared spectrometric calibration. <i>Analytica Chimica Acta</i> , 2018, 1010, 20-28.	2.6	14
29	Effect of preprocessing high-resolution mass spectra on the pattern recognition of Cannabis, hemp, and liquor. <i>Talanta</i> , 2018, 180, 229-238.	2.9	10
30	Multiple Versus Single Set Validation of Multivariate Models to Avoid Mistakes. <i>Critical Reviews in Analytical Chemistry</i> , 2018, 48, 33-46.	1.8	33
31	Differentiating Rice Varieties by Inductively Coupled Plasma Mass Spectrometry Chemical Profiling with Singular Value Decomposition Background Correction. <i>Journal of Analysis and Testing</i> , 2018, 2, 138-148.	2.5	1
32	Chemometrics in the Age of Intelligent Chemical Instruments. <i>Journal of Analysis and Testing</i> , 2018, 2, 191-192.	2.5	0
33	High-Throughput Chemotyping of Cannabis and Hemp Extracts Using an Ultraviolet Microplate Reader and Multivariate Classifiers. <i>Journal of Analysis and Testing</i> , 2018, 2, 210-222.	2.5	6
34	Nontargeted Metabolomic Study on Variation of Phenolics in Different Cranberry Cultivars Using UPLC-IM ^{HRMS} . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12206-12216.	2.4	40
35	Differentiation of Bovine, Porcine, and Fish Gelatins by Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy (ATR-FTIRS) Coupled with Pattern Recognition. <i>Journal of AOAC INTERNATIONAL</i> , 2018, 101, 221-226.	0.7	12
36	Spectral Representation of Proton NMR Spectroscopy for the Pattern Recognition of Complex Materials. <i>Journal of Analysis and Testing</i> , 2017, 1, 1.	2.5	8

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37	Chemical profiling of floral and chestnut honey using high-performance liquid chromatography-ultraviolet detection. <i>Journal of Food Composition and Analysis</i> , 2017, 62, 205-210.	1.9	9
38	New peptide inhibitors modulate the self-assembly of islet amyloid polypeptide residues 11â€“20 in vitro. <i>European Journal of Pharmacology</i> , 2017, 804, 102-110.	1.7	10
39	Automated support vector regression. <i>Journal of Chemometrics</i> , 2017, 31, e2867.	0.7	12
40	Support vector machine classification trees based on fuzzy entropy of classification. <i>Analytica Chimica Acta</i> , 2017, 954, 14-21.	2.6	27
41	Analysis and Modeling for Big Data in Cancer Research. <i>BioMed Research International</i> , 2017, 2017, 1-2.	0.9	5
42	Comparative Study of NMR Spectral Profiling for the Characterization and Authentication of Cannabis. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 1356-1364.	0.7	8
43	Diagnosis of patients with chronic kidney disease by using two fuzzy classifiers. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 153, 140-145.	1.8	37
44	Comparison of Flow Injection MS, NMR, and DNA Sequencing: Methods for Identification and Authentication of Black Cohosh (<i>Actaea racemosa</i>). <i>Planta Medica</i> , 2016, 82, 250-262.	0.7	32
45	Prediction of total antioxidant activity of <i>Prunella L.</i> species by automatic partial least square regression applied to 2-way liquid chromatographic UV spectral images. <i>Talanta</i> , 2016, 161, 503-510.	2.9	22
46	Multivariate Curve Resolution of Wavelet Compressed Data. <i>Data Handling in Science and Technology</i> , 2016, 30, 311-332.	3.1	1
47	Strain-level <i>Staphylococcus</i> differentiation by CeO ₂ -metal oxide laser ionization mass spectrometry fatty acid profiling. <i>BMC Microbiology</i> , 2016, 16, 72.	1.3	19
48	New insights into side effect of solvents on the aggregation of human islet amyloid polypeptide 11â€“20. <i>Talanta</i> , 2016, 148, 380-386.	2.9	16
49	Differentiation of <i>Aurantii fructus immaturus</i> and <i>Fructus ponciri trifoliatae immaturus</i> by Flow-Injection with Ultraviolet Spectroscopic Detection and Proton Nuclear Magnetic Resonance Using Partial Least-Squares Discriminant Analysis. <i>Analytical Letters</i> , 2016, 49, 711-722.	1.0	5
50	Application of chemometrics to resolve overlapping mass spectral peak clusters between trichloroethylene and its deuterated internal standard. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 789-794.	0.7	8
51	Determination of Trichloroethylene in Water by Liquidâ€“Liquid Microextraction Assisted Solid Phase Microextraction. <i>Chromatography (Basel)</i> , 2015, 2, 66-78.	1.2	4
52	Amino acid composition of human scalp hair as a biometric classifier and investigative lead. <i>Analytical Methods</i> , 2015, 7, 1707-1718.	1.3	21
53	Terahertz time-domain spectroscopy combined with fuzzy rule-building expert system and fuzzy optimal associative memory applied to diagnosis of cervical carcinoma. <i>Medical Oncology</i> , 2015, 32, 383.	1.2	15
54	High-selective and sensitive voltammetric sensor for butylated hydroxyanisole based on AuNPsâ€“PVPâ€“graphene nanocomposites. <i>Talanta</i> , 2015, 138, 169-175.	2.9	39

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55	Profiling Amino Acids of Jordanian Scalp Hair as a Tool for Diabetes Mellitus Diagnosis: A Pilot Study. <i>Analytical Chemistry</i> , 2015, 87, 7078-7084.	3.2	28
56	High-sensitive electrochemical sensor of Sudan I based on template-directed self-assembly of graphene-ZnSe quantum dots hybrid structure. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 181-187.	4.0	36
57	Comparison of metal oxide catalysts for pyrolytic MOIâ€MS bacterial identification. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 113, 78-83.	2.6	5
58	Terahertz time-domain spectroscopy combined with support vector machines and partial least squares-discriminant analysis applied for the diagnosis of cervical carcinoma. <i>Analytical Methods</i> , 2015, 7, 2333-2338.	1.3	38
59	Support Vector Machine Classification Trees. <i>Analytical Chemistry</i> , 2015, 87, 11065-11071.	3.2	34
60	Application of terahertz time-domain spectroscopy combined with chemometrics to quantitative analysis of imidacloprid in rice samples. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 167, 1-9.	1.1	52
61	A novel method for the study of molecular interaction by using microscale thermophoresis. <i>Talanta</i> , 2015, 132, 894-901.	2.9	53
62	Simultaneous quantification of Aroclor mixtures in soil samples by gas chromatography/mass spectrometry with solid phase microextraction using partial least-squares regression. <i>Chemosphere</i> , 2015, 118, 187-193.	4.2	14
63	Classification of Cultivation Locations of Black Pepper (<i>Piper nigrum</i> L.) using Gas Chromatography and Chemometrics. <i>Current Chromatography</i> , 2015, 2, 145-151.	0.1	6
64	Computer-aided method for identification of major flavone/flavonol glycosides by high-performance liquid chromatographyâ€diode array detectionâ€tandem mass spectrometry (HPLCâ€DADâ€MS/MS). <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7695-7704.	1.9	2
65	Determination of Aroclor 1260 in soil samples by gas chromatography with mass spectrometry and solid-phase microextraction. <i>Journal of Separation Science</i> , 2014, 37, 2751-2756.	1.3	8
66	Determination of residual enrofloxacin in food samples by a sensitive method of chemiluminescence enzyme immunoassay. <i>Food Chemistry</i> , 2014, 149, 71-75.	4.2	67
67	THz-TDS combined with a fuzzy rule-building expert system applied to the identification of official rhubarb samples. <i>Analytical Methods</i> , 2014, 6, 7695-7702.	1.3	14
68	Supersensitive electrochemical sensor for the fast determination of rutin in pharmaceuticals and biological samples based on poly(diallyldimethylammonium chloride)-functionalized graphene. <i>Journal of Electroanalytical Chemistry</i> , 2014, 732, 17-24.	1.9	47
69	Fuzzy Grid Encoded Independent Modeling for Class Analogies (FIMCA). <i>Analytical Chemistry</i> , 2014, 86, 4883-4892.	3.2	8
70	Characterization of Near-Infrared Spectral Variance in the Authentication of Skim and Nonfat Dry Milk Powder Collection Using ANOVA-PCA, Pooled-ANOVA, and Partial Least-Squares Regression. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 8060-8067.	2.4	24
71	Comparison of Three Algorithms for the Baseline Correction of Hyphenated Data Objects. <i>Analytical Chemistry</i> , 2014, 86, 9050-9057.	3.2	19
72	Synthesis of poly(sodium 4-styrenesulfonate) functionalized graphene/cetyltrimethylammonium bromide (CTAB) nanocomposite and its application in electrochemical oxidation of 2,4-dichlorophenol. <i>Electrochimica Acta</i> , 2014, 125, 1-8.	2.6	49

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73	Sensitive voltammetric sensor based on Isopropanolâ€Nafionâ€PSSâ€GR nanocomposite modified glassy carbon electrode for determination of Clenbuterol in pork. <i>Food Chemistry</i> , 2014, 164, 113-118.	4.2	41
74	Automated pipeline for classifying Aroclors in soil by gas chromatography/mass spectrometry using modulo compressed two-way data objects. <i>Talanta</i> , 2013, 117, 483-491.	2.9	16
75	Study on the reaction mechanism and the static injection chemiluminescence method for detection of acetaminophen. <i>Luminescence</i> , 2013, 28, 905-909.	1.5	8
76	A sensitive electrochemical chlorophenols sensor based on nanocomposite of ZnSe quantum dots and cetyltrimethylammonium bromide. <i>Analytica Chimica Acta</i> , 2013, 804, 76-83.	2.6	57
77	Exploring Authentic Skim and Nonfat Dry Milk Powder Variance for the Development of Nontargeted Adulterant Detection Methods Using Near-Infrared Spectroscopy and Chemometrics. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 9810-9818.	2.4	30
78	Feature selection of gas chromatography/mass spectrometry chemical profiles of basil plants using a bootstrapped fuzzy rule-building expert system. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9219-9234.	1.9	10
79	A novel DPSO-SVM system for variable interval selection of endometrial tissue sections by near infrared spectroscopy. <i>Talanta</i> , 2013, 112, 136-142.	2.9	14
80	Authentication of Organically and Conventionally Grown Basils by Gas Chromatography/Mass Spectrometry Chemical Profiles. <i>Analytical Chemistry</i> , 2013, 85, 2945-2953.	3.2	37
81	Probability of Identification: Adulteration of American Ginseng with Asian Ginseng. <i>Journal of AOAC INTERNATIONAL</i> , 2013, 96, 1258-1265.	0.7	28
82	Locally linear embedding method for dimensionality reduction of tissue sections of endometrial carcinoma by near infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2012, 724, 12-19.	2.6	23
83	Near infrared spectroscopy combined with least squares support vector machines and fuzzy rule-building expert system applied to diagnosis of endometrial carcinoma. <i>Cancer Epidemiology</i> , 2012, 36, 317-323.	0.8	24
84	Ignitable liquid identification using gas chromatography/mass spectrometry data by projected difference resolution mapping and fuzzy rule-building expert system classification. <i>Forensic Science International</i> , 2012, 220, 210-218.	1.3	26
85	Near infrared spectroscopy combined with high dimensional data analysis applied to diagnosis of endometrial carcinoma. , 2012, , .		0
86	Classification of Cultivation Locations of Panax quinquefolius L Samples using High Performance Liquid Chromatographyâ€Electrospray Ionization Mass Spectrometry and Chemometric Analysis. <i>Analytical Chemistry</i> , 2012, 84, 3628-3634.	3.2	35
87	A competitive chemiluminescence enzyme immunoassay for rapid and sensitive determination of enrofloxacin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 93, 164-168.	2.0	30
88	Fast and Selective Modification of Thiol Proteins/Peptides by <i>N</i>-(Phenylseleno)phthalimide. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 520-529.	1.2	24
89	Classification of jet fuels by fuzzy rule-building expert systems applied to three-way data by fast gas chromatographyâ€fast scanning quadrupole ion trap mass spectrometry. <i>Talanta</i> , 2011, 83, 1260-1268.	2.9	18
90	An emphatic orthogonal signal correction-support vector machine method for the classification of tissue sections of endometrial carcinoma by near infrared spectroscopy. <i>Talanta</i> , 2011, 83, 1401-1409.	2.9	27

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91	A discriminant based charge deconvolution analysis pipeline for protein profiling of whole cell extracts using liquid chromatography-electrospray ionization-quadrupole time-of-flight mass spectrometry. <i>Talanta</i> , 2011, 84, 1180-1187.	2.9	7
92	Flow Injection Mass Spectroscopic Fingerprinting and Multivariate Analysis for Differentiation of Three Panax Species. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 90-99.	0.7	22
93	Baseline Correction Method Using an Orthogonal Basis for Gas Chromatography/Mass Spectrometry Data. <i>Analytical Chemistry</i> , 2011, 83, 7464-7471.	3.2	37
94	Coupling of single droplet micro-extraction with desorption electrospray ionization-mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2011, 301, 102-108.	0.7	34
95	Least squares SVM combined with near infrared spectroscopy for diagnosing endometrial carcinoma. , 2011, , .		0
96	Discrimination Among Panax Species Using Spectral Fingerprinting. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 1411-1421.	0.7	24
97	Flow injection mass spectroscopic fingerprinting and multivariate analysis for differentiation of three Panax species. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 90-9.	0.7	13
98	Classification of bacteria by simultaneous methylation-solid phase microextraction and gas chromatography/mass spectrometry analysis of fatty acid methyl esters. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2959-2966.	1.9	15
99	Near-infrared spectroscopic applications for diagnosis of endometrial carcinoma. <i>Journal of Biomedical Optics</i> , 2010, 15, 067002.	1.4	9
100	Classification of Jet Fuel Properties by Near-Infrared Spectroscopy Using Fuzzy Rule-Building Expert Systems and Support Vector Machines. <i>Applied Spectroscopy</i> , 2010, 64, 1251-1258.	1.2	17
101	Radial Basis Function Cascade Correlation Networks. <i>Algorithms</i> , 2009, 2, 1045-1068.	1.2	1
102	Rhubarb Identification by Using Temperature-Constrained Cascade Correlation Networks. , 2009, , .		0
103	Fuzzy Entropy of Classification and its Application to Biomarker Discovery. , 2009, , .		1
104	Thermal degradation and isomerisation kinetics of triolein studied by infrared spectrometry and GC-MS combined with chemometrics. <i>Chemistry and Physics of Lipids</i> , 2009, 158, 22-31.	1.5	36
105	Comparison of differential mobility spectrometry and mass spectrometry for gas chromatographic detection of ignitable liquids from fire debris using projected difference resolution. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 2061-2067.	1.9	36
106	Detection of cocaine and its metabolites in urine using solid phase extraction-ion mobility spectrometry with alternating least squares. <i>Forensic Science International</i> , 2009, 189, 54-59.	1.3	46
107	Automated Principal Component-Based Orthogonal Signal Correction Applied to Fused Near Infrared-Mid-Infrared Spectra of French Olive Oils. <i>Analytical Chemistry</i> , 2009, 81, 7160-7169.	3.2	59
108	Two-Dimensional Mid- and Near-Infrared Correlation Spectroscopy for Rhubarb Identification. , 2009, , .		0

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109	Pharmaceutical applications of ion mobility spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 44-53.	5.8	113
110	Discriminant Analysis of Fused Positive and Negative Ion Mobility Spectra Using Multivariate Self-Modeling Mixture Analysis and Neural Networks. <i>Applied Spectroscopy</i> , 2008, 62, 133-141.	1.2	8
111	Biomarker Profiling and Reproducibility Study of MALDI-MS Measurements of <i>Escherichia coli</i> by Analysis of Variance~Principal Component Analysis. <i>Analytical Chemistry</i> , 2008, 80, 1474-1481.	3.2	45
112	Application of Linear and Nonlinear Discrete Wavelet Transforms to MALDI-MS Measurements of Bacteria for Classification. <i>Analytical Chemistry</i> , 2008, 80, 7218-7225.	3.2	20
113	QSAR Study on the Toxicity of Phenols for Fathead Minnows by Using Support Vector Machine and Neural Networks. , 2008, , .		1
114	Support Vector Regression and Radial Basis Function Neural Networks Applied to Semi-quantitative Prediction of Rhubarbs. , 2007, , .		0
115	Fuzzy Rule-Building Expert System Classification of Fuel Using Solid-Phase Microextraction Two-Way Gas Chromatography Differential Mobility Spectrometric Data. <i>Analytical Chemistry</i> , 2007, 79, 1485-1491.	3.2	39
116	Forensic Application of Gas Chromatography~Differential Mobility Spectrometry with Two-Way Classification of Ignitable Liquids from Fire Debris. <i>Analytical Chemistry</i> , 2007, 79, 6752-6759.	3.2	57
117	Bootstrap classification and point-based feature selection from age-staged mouse cerebellum tissues of matrix assisted laser desorption/ionization mass spectra using a fuzzy rule-building expert system. <i>Analytica Chimica Acta</i> , 2007, 599, 219-231.	2.6	24
118	A comparative study of multilayer perceptron neural networks for the identification of rhubarb samples. <i>Phytochemical Analysis</i> , 2007, 18, 109-114.	1.2	11
119	Application of Density Functional Theoretic Descriptors to Quantitative Structure-Activity Relationships with Temperature Constrained Cascade Correlation Network Models of Nitrobenzene Derivatives1. <i>Chemical Research in Chinese Universities</i> , 2006, 22, 439-442.	1.3	0
120	Direct detection of trimethylamine in meat food products using ion mobility spectrometry. <i>Talanta</i> , 2006, 68, 629-635.	2.9	107
121	Identification of rhubarbs by using NIR spectrometry and temperature-constrained cascade correlation networks. <i>Talanta</i> , 2006, 70, 1170-1176.	2.9	19
122	An application of Takagi~Sugeno fuzzy system to the classification of cancer patients based on elemental contents in serum samples. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 82, 294-299.	1.8	28
123	Proteomic analysis of amniotic fluids using analysis of variance-principal component analysis and fuzzy rule-building expert systems applied to matrix-assisted laser desorption/ionization mass spectrometry. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 82, 283-293.	1.8	42
124	Statistical validation of classification and calibration models using bootstrapped Latin partitions. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 1112-1124.	5.8	90
125	Holmium nitrate complexation with tri-n-butyl phosphate in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2005, 36, 137-144.	1.6	17
126	Analysis of variance~principal component analysis: A soft tool for proteomic discovery. <i>Analytica Chimica Acta</i> , 2005, 544, 118-127.	2.6	147

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127	Rapid screening of precursor and degradation products of chemical warfare agents in soil by solid-phase microextraction ion mobility spectrometry (SPME-IMS). <i>Analytica Chimica Acta</i> , 2005, 545, 13-20.	2.6	115
128	Direct profiling of the cerebellum by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry: A methodological study in postnatal and adult mouse. <i>Journal of Neuroscience Research</i> , 2005, 81, 613-621.	1.3	16
129	SIMPLISMA and ALS Applied to Two-Way Nonlinear Wavelet Compressed Ion Mobility Spectra of Chemical Warfare Agent Simulants. <i>Analytical Chemistry</i> , 2005, 77, 2575-2586.	3.2	19
130	Chemometric Studies for the Characterization and Differentiation of Microorganisms Using in Situ Derivatization and Thermal Desorption Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 854-863.	3.2	16
131	Thermal Desorption Solid-Phase Microextraction Inlet for Differential Mobility Spectrometry. <i>Applied Spectroscopy</i> , 2005, 59, 754-762.	1.2	16
132	Immunomagnetic Isolation of Enterohemorrhagic <i>Escherichia coli</i> O157:H7 from Ground Beef and Identification by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry and Database Searches. <i>Analytical Chemistry</i> , 2005, 77, 5258-5267.	3.2	78
133	Praseodymium nitrate and neodymium nitrate complexation with organophosphorus reagents in supercritical carbon dioxide solvent. <i>Journal of Supercritical Fluids</i> , 2004, 31, 273-286.	1.6	28
134	Two-Dimensional Nonlinear Wavelet Compression of Ion Mobility Spectra of Chemical Warfare Agent Simulants. <i>Analytical Chemistry</i> , 2004, 76, 2859-2868.	3.2	27
135	Nonlinear Wavelet Compression of Ion Mobility Spectra from Ion Mobility Spectrometers Mounted in an Unmanned Aerial Vehicle. <i>Analytical Chemistry</i> , 2004, 76, 1069-1077.	3.2	16
136	Detection of Methamphetamine in the Presence of Nicotine Using In Situ Chemical Derivatization and Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 985-991.	3.2	60
137	Forward selection radial basis function networks applied to bacterial classification based on MALDI-TOF-MS. <i>Talanta</i> , 2004, 63, 527-532.	2.9	23
138	Quality control of the powder pharmaceutical samples of sulfaguanidine by using NIR reflectance spectrometry and temperature-constrained cascade correlation networks. <i>Talanta</i> , 2004, 64, 943-948.	2.9	17
139	SIMPLISMA applied to two-dimensional wavelet compressed ion mobility spectrometry data. <i>Analytica Chimica Acta</i> , 2003, 484, 75-91.	2.6	20
140	Real-time two-dimensional wavelet compression and its application to real-time modeling of ion mobility data. <i>Analytica Chimica Acta</i> , 2003, 490, 59-69.	2.6	22
141	Ion-Molecule Reactions of Gas-Phase Chromium Oxyanions: $\text{Cr}_x\text{O}_y\text{H}_z^- + \text{H}_2\text{O}$. <i>Journal of Physical Chemistry A</i> , 2003, 107, 5948-5955.	1.1	21
142	Trace Explosive Detection in Aqueous Samples by Solid-Phase Extraction Ion Mobility Spectrometry (SPE-IMS). <i>Applied Spectroscopy</i> , 2003, 57, 223-232.	1.2	39
143	Regularized Linear Discriminant Analysis of Wavelet Compressed Ion Mobility Spectra. <i>Applied Spectroscopy</i> , 2002, 56, 223-231.	1.2	15
144	Experimental Design and Multiplexed Modeling Using Titrimetry and Spreadsheets. <i>Journal of Chemical Education</i> , 2002, 79, 863.	1.1	2

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