

Cynthia K Larive

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8836249/publications.pdf>

Version: 2024-02-01

172
papers

6,580
citations

57631

44
h-index

82410

72
g-index

176
all docs

176
docs citations

176
times ranked

7516
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective mRNA translation coordinates energetic and metabolic adjustments to cellular oxygen deprivation and reoxygenation in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2008, 56, 743-755.	2.8	317
2	Methanobactin, a Copper-Acquisition Compound from Methane-Oxidizing Bacteria. <i>Science</i> , 2004, 305, 1612-1615.	6.0	303
3	Effects of Three Pharmaceutical and Personal Care Products on Natural Freshwater Algal Assemblages. <i>Environmental Science & Technology</i> , 2003, 37, 1713-1719.	4.6	299
4	NMR Spectroscopy for Metabolomics and Metabolic Profiling. <i>Analytical Chemistry</i> , 2015, 87, 133-146.	3.2	192
5	Quantitative NMR for bioanalysis and metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1165-1179.	1.9	168
6	Diffusion Coefficients and Polydispersities of the Suwannee River Fulvic Acid: A Comparison of Fluorescence Correlation Spectroscopy, Pulsed-Field Gradient Nuclear Magnetic Resonance, and Flow Field-Flow Fractionation. <i>Environmental Science & Technology</i> , 2000, 34, 3508-3513.	4.6	143
7	Two <i>Rumex</i> Species from Contrasting Hydrological Niches Regulate Flooding Tolerance through Distinct Mechanisms. <i>Plant Cell</i> , 2013, 25, 4691-4707.	3.1	133
8	<i>Arabidopsis</i> P-Glycoprotein19 Participates in the Inhibition of Gravitropism by Gravacin. <i>Chemistry and Biology</i> , 2007, 14, 1366-1376.	6.2	128
9	Factors Affecting the Fate of Ciprofloxacin in Aquatic Field Systems. <i>Water, Air, and Soil Pollution</i> , 2005, 161, 383-398.	1.1	122
10	Comparison of GC-MS and NMR for Metabolite Profiling of Rice Subjected to Submergence Stress. <i>Journal of Proteome Research</i> , 2013, 12, 898-909.	1.8	117
11	Chemical genetic interrogation of natural variation uncovers a molecule that is glycoactivated. <i>Nature Chemical Biology</i> , 2007, 3, 716-721.	3.9	103
12	Analysis and characterization of heparin impurities. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 527-539.	1.9	96
13	Copper-Binding Compounds from <i>Methylosinus trichosporium</i> OB3b. <i>Journal of Bacteriology</i> , 1998, 180, 3606-3613.	1.0	93
14	Fate and Effects of Enrofloxacin in Aquatic Systems under Different Light Conditions. <i>Environmental Science & Technology</i> , 2005, 39, 9140-9146.	4.6	90
15	Occurrence of Halogenated Transformation Products of Selected Pharmaceuticals and Personal Care Products in Secondary and Tertiary Treated Wastewaters from Southern California. <i>Environmental Science & Technology</i> , 2015, 49, 2044-2051.	4.6	90
16	Measuring ligand-protein binding using NMR diffusion experiments. <i>Concepts in Magnetic Resonance</i> , 2004, 20A, 24-41.	1.3	88
17	Characterization of distinct root and shoot responses to low oxygen stress in <i>Arabidopsis</i> with a focus on primary carbon and nitrogen metabolism. <i>Plant, Cell and Environment</i> , 2014, 37, 2366-2380.	2.8	88
18	Heparin Characterization: Challenges and Solutions. <i>Annual Review of Analytical Chemistry</i> , 2011, 4, 439-465.	2.8	86

#	ARTICLE	IF	CITATIONS
19	Determination of the Acid Dissociation Constant of the Biosurfactant Monorhamnolipid in Aqueous Solution by Potentiometric and Spectroscopic Methods. <i>Analytical Chemistry</i> , 2006, 78, 7649-7658.	3.2	85
20	Separation and Analysis of Peptides and Proteins. <i>Analytical Chemistry</i> , 1999, 71, 389-423.	3.2	84
21	Applications of NMR spectroscopy in environmental science. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2004, 45, 209-238.	3.9	75
22	Purification and Physical-Chemical Properties of Methanobactin: A Chalkophore from <i>Methylosinus trichosporium</i> . <i>Biochemistry</i> , 2005, 44, 5140-5148.	1.2	75
23	Advances in the separation, sensitive detection, and characterization of heparin and heparan sulfate. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 155-169.	1.9	75
24	The 2D-J-DOSY Experiment: Resolving Diffusion Coefficients in Mixtures. <i>Journal of Magnetic Resonance</i> , 2002, 156, 138-145.	1.2	69
25	Analysis of Diffusion Coefficient Distributions in Humic and Fulvic Acids by Means of Diffusion Ordered NMR Spectroscopy. <i>Analytical Chemistry</i> , 1999, 71, 5315-5321.	3.2	65
26	Metolachlor and Alachlor Breakdown Product Formation Patterns in Aquatic Field Mesocosms. <i>Environmental Science & Technology</i> , 1999, 33, 4471-4476.	4.6	65
27	Synthesis and Properties of Metal-Ligand Complexes with Endohedral Amine Functionality. <i>Inorganic Chemistry</i> , 2011, 50, 9430-9442.	1.9	64
28	Rice <i>SUB1A</i> constrains remodelling of the transcriptome and metabolome during submergence to facilitate post-submergence recovery. <i>Plant, Cell and Environment</i> , 2018, 41, 721-736.	2.8	64
29	Ultrapformance Ion-Pair Liquid Chromatography Coupled to Electrospray Time-of-Flight Mass Spectrometry for Compositional Profiling and Quantification of Heparin and Heparan Sulfate. <i>Analytical Chemistry</i> , 2008, 80, 1297-1306.	3.2	63
30	Detection of Insulin Aggregates with Pulsed-Field Gradient Nuclear Magnetic Resonance Spectroscopy. <i>Analytical Biochemistry</i> , 1995, 229, 214-220.	1.1	61
31	Quantitative Analysis of Peptides with NMR Spectroscopy. <i>Applied Spectroscopy</i> , 1997, 51, 1531-1536.	1.2	60
32	Measurement of SDS Micelle-Peptide Association Using ^1H NMR Chemical Shift Analysis and Pulsed-Field Gradient NMR Spectroscopy. <i>Analytical Chemistry</i> , 1998, 70, 1339-1345.	3.2	60
33	Differential Metabolic Regulation Governed by the Rice <i>SUB1A</i> Gene during Submergence Stress and Identification of Alanyl-glycine by ^1H NMR Spectroscopy. <i>Journal of Proteome Research</i> , 2012, 11, 320-330.	1.8	60
34	Cis/trans conformational equilibrium across the cysteine6-proline peptide bond of oxytocin, arginine vasopressin, and lysine vasopressin. <i>Journal of the American Chemical Society</i> , 1992, 114, 7331-7337.	6.6	58
35	Capillary Isotachopheresis/NMR: Extension to Trace Impurity Analysis and Improved Instrumental Coupling. <i>Analytical Chemistry</i> , 2002, 74, 2306-2313.	3.2	58
36	Nuclear magnetic resonance spectroscopic analysis of the selective complexation of the cis and trans isomers of phenylalanylproline by β -cyclodextrin. <i>Analytica Chimica Acta</i> , 1995, 307, 449-457.	2.6	56

#	ARTICLE	IF	CITATIONS
37	Measurement of peptide aggregation with pulsed-field gradient nuclear magnetic resonance spectroscopy. <i>BBA - Proteins and Proteomics</i> , 1998, 1382, 257-265.	2.1	54
38	Analysis of Protein/Ligand Interactions with NMR Diffusion Measurements: The Importance of Eliminating the Protein Background. <i>Journal of Magnetic Resonance</i> , 2002, 155, 217-225.	1.2	52
39	A comparison of metabolite extraction strategies for ¹ H-NMR-based metabolic profiling using mature leaf tissue from the model plant <i>Arabidopsis thaliana</i> . <i>Magnetic Resonance in Chemistry</i> , 2009, 47, S147-56.	1.1	51
40	Modified Pulsed-Field Gradient NMR Experiments for Improved Selectivity in the Measurement of Diffusion Coefficients in Complex Mixtures: Application to the Analysis of the Suwannee River Fulvic Acid. <i>Analytical Chemistry</i> , 1997, 69, 2122-2128.	3.2	49
41	¹³ C NMR Relaxation and ¹ H Diffusion (DOSY) Studies of an Acidic Chloroaluminate Melt. <i>The Journal of Physical Chemistry</i> , 1996, 100, 4724-4728.	2.9	48
42	A mechanistic study of danazol dissolution in ionic surfactant solutions. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 424-435.	1.6	48
43	Could smaller really be better? Current and future trends in high-resolution microcoil NMR spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 61-68.	1.9	48
44	Analytical and Biological Characterization of Halogenated Gemfibrozil Produced through Chlorination of Wastewater. <i>Environmental Science & Technology</i> , 2012, 46, 5583-5589.	4.6	47
45	Sulfamate proton solvent exchange in heparin oligosaccharides: Evidence for a persistent hydrogen bond in the antithrombin-binding pentasaccharide Arixtra. <i>Glycobiology</i> , 2012, 22, 1173-1182.	1.3	46
46	Dynamics of cis/trans isomerization of the cysteine6-proline peptide bonds of oxytocin and arginine-vasopressin in aqueous and methanol solutions. <i>Journal of the American Chemical Society</i> , 1993, 115, 2833-2836.	6.6	44
47	NMR diffusion analysis of surfactant-humic substance interactions. <i>Journal of Colloid and Interface Science</i> , 2003, 261, 508-513.	5.0	44
48	Tissue targeted metabonomics: Metabolic profiling by microdialysis sampling and microcoil NMR. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 38, 904-909.	1.4	44
49	Epitope Mapping and Competitive Binding of HSA Drug Site II Ligands by NMR Diffusion Measurements. <i>Journal of the American Chemical Society</i> , 2004, 126, 14258-14266.	6.6	43
50	Improved Spin-Echo-Edited NMR Diffusion Measurements. <i>Journal of Magnetic Resonance</i> , 2001, 153, 273-276.	1.2	40
51	Characterization of humic substances: Implications for trihalomethane formation. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1579-1586.	1.9	40
52	Understanding Chiral Molecular Micellar Separations Using Steady-State Fluorescence Anisotropy, Capillary Electrophoresis, and NMR. <i>Langmuir</i> , 2007, 23, 425-435.	1.6	40
53	Analysis of Molecular Square Size and Purity via Pulsed-Field Gradient NMR Spectroscopy. <i>Inorganic Chemistry</i> , 2002, 41, 6172-6174.	1.9	39
54	Measurement of Cadmium(II) and Calcium(II) Complexation by Fulvic Acids Using ¹¹³ Cd NMR. <i>Environmental Science & Technology</i> , 2001, 35, 1463-1468.	4.6	37

#	ARTICLE	IF	CITATIONS
55	Separation and Analysis of Peptides and Proteins. <i>Analytical Chemistry</i> , 1997, 69, 29-58.	3.2	36
56	Polymer additives mixture analysis using pulsed-field gradient NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 1998, 36, 755-760.	1.1	36
57	Use of NMR Binding Interaction Mapping Techniques to Examine Interactions of Chiral Molecules with Molecular Micelles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17359-17369.	1.2	36
58	NMR characterization of the host-guest inclusion complex between β -cyclodextrin and doxepin. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 838-845.	1.1	36
59	^{113}Cd NMR Binding Studies of Cd^{2+} -Fulvic Acid Complexes: Evidence of Fast Exchange. <i>Environmental Science & Technology</i> , 1996, 30, 2828-2831.	4.6	35
60	Insights into the cITP Process Using On-Line NMR Spectroscopy. <i>Analytical Chemistry</i> , 2002, 74, 4191-4197.	3.2	35
61	Transferred Nuclear Overhauser Effect in Nuclear Magnetic Resonance Diffusion Measurements of Ligand-Protein Binding. <i>Analytical Chemistry</i> , 2003, 75, 627-634.	3.2	35
62	Insights into the mechanism of separation of heparin and heparan sulfate disaccharides by reverse-phase ion-pair chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 479-488.	1.8	35
63	^1H and ^{15}N NMR Characterization of the Amine Groups of Heparan Sulfate Related Glucosamine Monosaccharides in Aqueous Solution. <i>Analytical Chemistry</i> , 2015, 87, 6842-6848.	3.2	35
64	Analytical applications of NMR diffusion measurements. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1405-1407.	1.9	34
65	Role of Undergraduate Research in an Excellent and Rigorous Undergraduate Chemistry Curriculum. <i>Journal of Chemical Education</i> , 2012, 89, 7-9.	1.1	34
66	Separations coupled with NMR detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 766-775.	5.8	32
67	Diffusion Ordered Spectroscopy of Room Temperature Chloroaluminate Melts. <i>The Journal of Physical Chemistry</i> , 1995, 99, 12409-12412.	2.9	31
68	A Mechanistic Study of Griseofulvin Dissolution into Surfactant Solutions under Laminar Flow Conditions. <i>Journal of Pharmaceutical Sciences</i> , 1997, 86, 1132-1137.	1.6	31
69	NMR Investigation of the Interactions between $^4\text{-Fluoro-}^1\text{-acetonaphthone}$ and the Suwannee River Fulvic Acid. <i>Environmental Science & Technology</i> , 1999, 33, 958-964.	4.6	31
70	Solution-state ^{17}O Quadrupole Central-Transition NMR Spectroscopy in the Active Site of Tryptophan Synthase. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1350-1354.	7.2	31
71	Progress toward automated metabolic profiling of human serum: Comparison of CPMG and gradient-filtered NMR analytical methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 156-163.	1.4	30
72	On-line NMR detection of microgram quantities of heparin-derived oligosaccharides and their structure elucidation by microcoil NMR. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1707-1716.	1.9	30

#	ARTICLE	IF	CITATIONS
73	Detection of the ¹ H and ¹⁵ N NMR Resonances of Sulfamate Groups in Aqueous Solution: A New Tool for Heparin and Heparan Sulfate Characterization. <i>Analytical Chemistry</i> , 2011, 83, 8006-8010.	3.2	30
74	Characterizing the Microstructure of Heparin and Heparan Sulfate Using ¹³ C-Sulfoglucosamine ¹ H and ¹⁵ N NMR Chemical Shift Analysis. <i>Analytical Chemistry</i> , 2013, 85, 1247-1255.	3.2	30
75	Separation and Analysis of Nanomole Quantities of Heparin Oligosaccharides Using On-Line Capillary Isotachopheresis Coupled with NMR Detection. <i>Analytical Chemistry</i> , 2005, 77, 5998-6003.	3.2	29
76	Using NMR to Develop Insights into Electrokinetic Chromatography. <i>Analytical Chemistry</i> , 2005, 77, 254 A-263 A.	3.2	29
77	NMR Spectroscopy with Spectral Editing for the Analysis of Complex Mixtures. <i>Applied Spectroscopy</i> , 1999, 53, 426A-440A.	1.2	28
78	Nutrient level, microbial activity, and alachlor transformation in aerobic aquatic systems. <i>Water Research</i> , 2003, 37, 4761-4769.	5.3	28
79	Separation and Analysis of Trace Degradants in a Pharmaceutical Formulation Using On-Line Capillary Isotachopheresis-NMR. <i>Analytical Chemistry</i> , 2007, 79, 8446-8453.	3.2	28
80	NMR assignments and the acid-base characterization of the pomegranate ellagitannin punicalagin in the acidic pH-range. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5807-5816.	1.9	28
81	Correlation of the capacity factor in vesicular electrokinetic chromatography with the octanol:water partition coefficient for charged and neutral analytes. <i>Pharmaceutical Research</i> , 2001, 18, 104-111.	1.7	27
82	Sources and Haloacetic Acid/Trihalomethane Formation Potentials of Aquatic Humic Substances in the Wakarusa River and Clinton Lake near Lawrence, Kansas. <i>Environmental Science & Technology</i> , 2000, 34, 4278-4286.	4.6	26
83	Epimerization of Cypermethrin Stereoisomers in Alcohols. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6938-6943.	2.4	26
84	Characterization of Heparin Impurities with HPLC-NMR Using Weak Anion Exchange Chromatography. <i>Analytical Chemistry</i> , 2009, 81, 10116-10123.	3.2	26
85	Metabolite biomarkers of chlorothalonil exposure in earthworms, coelomic fluid, and coelomocytes. <i>Science of the Total Environment</i> , 2019, 681, 435-443.	3.9	26
86	Examination of Cadmium(II) Complexation by the Suwannee River Fulvic Acid Using ¹¹³ Cd NMR Relaxation Measurements. <i>Environmental Science & Technology</i> , 2001, 35, 4900-4904.	4.6	25
87	Use of ¹ H Nuclear Magnetic Resonance To Measure Intracellular Metabolite Levels during Growth and Asexual Sporulation in <i>Neurospora crassa</i> . <i>Eukaryotic Cell</i> , 2011, 10, 820-831.	3.4	25
88	Reversed-phase ion-pair ultra-high-performance-liquid chromatography-mass spectrometry for fingerprinting low-molecular-weight heparins. <i>Journal of Chromatography A</i> , 2013, 1292, 201-210.	1.8	25
89	Novel compstatin family peptides inhibit complement activation by drusen-like deposits in human retinal pigmented epithelial cell cultures. <i>Experimental Eye Research</i> , 2013, 116, 96-108.	1.2	25
90	Separation of ten phosphorylated mono- and disaccharides using HILIC and ion-pairing interactions. <i>Analytica Chimica Acta</i> , 2017, 972, 102-110.	2.6	25

#	ARTICLE	IF	CITATIONS
91	Conformational Analysis of the Î²-amyloid Peptide Fragment, Î²(12-28). Journal of Biomolecular Structure and Dynamics, 1995, 13, 229-244.	2.0	24
92	Insights into cyclodextrin interactions during sample stacking using capillary isotachopheresis with on-line microcoil NMR detection. Magnetic Resonance in Chemistry, 2005, 43, 755-761.	1.1	24
93	NMR methods to monitor the enzymatic depolymerization of heparin. Analytical and Bioanalytical Chemistry, 2011, 399, 593-603.	1.9	23
94	A closer look at the nitrogen next door: 1H-15N NMR methods for glycosaminoglycan structural characterization. Journal of Magnetic Resonance, 2012, 216, 169-174.	1.2	23
95	Hydroxyl-Proton Hydrogen Bonding in the Heparin Oligosaccharide Arixtra in Aqueous Solution. Journal of Physical Chemistry B, 2014, 118, 482-491.	1.2	23
96	1H NMR Characterization of the Product from Single Solid-Phase Resin Beads Using Capillary NMR Flow Probes. Journal of Magnetic Resonance, 2001, 153, 215-222.	1.2	22
97	Insights into the Capillary Electrophoresis Separation of Heparin Disaccharides from Nuclear Magnetic Resonance, pKa, and Electrophoretic Mobility Measurements. Analytical Chemistry, 2009, 81, 7406-7415.	3.2	21
98	Metabolic Impacts of Using Nitrogen and Copper-Regulated Promoters to Regulate Gene Expression in Neurospora crassa. G3: Genes, Genomes, Genetics, 2015, 5, 1899-1908.	0.8	21
99	13C and 27Al NMR Relaxation, Viscosity, and 1H Diffusion Studies of an Ethylaluminum Dichloride Melt. Journal of Physical Chemistry B, 1998, 102, 1717-1723.	1.2	20
100	Getting to know the nitrogen next door: HNMBC measurements of amino sugars. Journal of Magnetic Resonance, 2011, 209, 323-331.	1.2	20
101	Cracking the glycan sequence code. Nature Chemical Biology, 2011, 7, 758-759.	3.9	20
102	1H NMR Metabolic Profiling of Earthworm (Eisenia fetida) Coelomic Fluid, Coelomocytes, and Tissue: Identification of a New Metabolite Methylglutamate. Journal of Proteome Research, 2017, 16, 3407-3418.	1.8	19
103	Metabolic Profiling of Chloroacetanilide Herbicides in Earthworm Coelomic Fluid Using 1H NMR and GC-MS. Journal of Proteome Research, 2018, 17, 2611-2622.	1.8	19
104	Development of tissue-targeted metabolomics. Part 1. Analytical considerations. Journal of Pharmaceutical and Biomedical Analysis, 2008, 46, 737-747.	1.4	18
105	Understanding the Effect of the Counterion on the Reverse-Phase Ion-Pair High-Performance Liquid Chromatography (RPIP-HPLC) Resolution of Heparin-Related Saccharide Anomers. Analytical Chemistry, 2011, 83, 6762-6769.	3.2	18
106	Problem-based learning in the analytical chemistry laboratory course. Analytical and Bioanalytical Chemistry, 2004, 380, 357-359.	1.9	17
107	New Compstatin Peptides Containing N-Terminal Extensions and Non-Natural Amino Acids Exhibit Potent Complement Inhibition and Improved Solubility Characteristics. Journal of Medicinal Chemistry, 2015, 58, 814-826.	2.9	17
108	Two-dimensional 1H NMR spectroscopy of aqueous solutions with elimination of the water resonance by transverse relaxation: Application to assignment of the 1H NMR spectrum of reduced arginine vasopressin. Magnetic Resonance in Chemistry, 1991, 29, 409-417.	1.1	16

#	ARTICLE	IF	CITATIONS
109	Concentration Profiling in Rat Tissue by High-Resolution Magic-Angle Spinning NMR Spectroscopy: A Investigation of a Model Drug. <i>Analytical Chemistry</i> , 2005, 77, 2978-2984.	3.2	16
110	Absorptive transport of amino acids by the rat colon. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G189-G202.	1.6	16
111	The efficient structure elucidation of minor components in heparin digests using microcoil NMR. <i>Carbohydrate Research</i> , 2011, 346, 2244-2254.	1.1	15
112	Analysis of the (Trimethylsilyl)propionic Acid- ^{12}C Peptide Binding Equilibrium with NMR Spectroscopy. <i>Analytical Chemistry</i> , 1999, 71, 2117-2122.	3.2	14
113	New ACS Guidelines Approved by CPT. <i>Journal of Chemical Education</i> , 2008, 85, 484.	1.1	14
114	Quantification of punicalagins in commercial preparations and pomegranate cultivars, by liquid chromatography-mass spectrometry. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 4036-4042.	1.7	14
115	^{19}F diffusion NMR analysis of enzyme-inhibitor binding. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, S98-S105.	1.1	13
116	Probing the Binding of Propranolol Enantiomers to α -Acid Glycoprotein with Ligand-Detected NMR Experiments. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13581-13587.	1.2	13
117	Anionic deep cavities enable the adhesion of unmodified proteins at a membrane bilayer. <i>Soft Matter</i> , 2014, 10, 9651-9656.	1.2	13
118	Complementary Analysis of Peptide Aggregation by NMR and Time-Resolved Laser Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1999, 103, 2262-2269.	1.2	12
119	Use of PFG-NMR for Mixture Analysis: Measurement of Diffusion Coefficients of Cis and Trans Isomers of Proline-Containing Peptides. <i>Applied Spectroscopy</i> , 1999, 53, 1595-1600.	1.2	12
120	A picture is worth a thousand words: animations and simulations in the teaching of analytical science. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 71-75.	1.9	12
121	Microcoil NMR Study of the Interactions between Doxepin, ^{12}C -Cyclodextrin, and Acetate during Capillary Isotachopheresis. <i>Analytical Chemistry</i> , 2012, 84, 7099-7106.	3.2	12
122	Physicochemical characterization of psychosine by ^1H nuclear magnetic resonance and electron microscopy. <i>Lipids</i> , 1997, 32, 1035-1040.	0.7	11
123	High-performance liquid chromatographic-nuclear magnetic resonance investigation of the isomerization of alachlor-ethanesulfonic acid. <i>Journal of Chromatography A</i> , 2004, 1022, 131-137.	1.8	11
124	Visualizing Ion Electromigration during Isotachopheretic Separations with Capillary Isotachopheresis-NMR. <i>Analytical Chemistry</i> , 2006, 78, 7078-7087.	3.2	11
125	Tissue-targeted metabolomics: biological considerations and application to doxorubicin-induced hepatic oxidative stress. <i>Metabolomics</i> , 2009, 5, 219-228.	1.4	11
126	The interaction of enoxaparin and fondaparinux with calcium. <i>Carbohydrate Research</i> , 2014, 384, 13-19.	1.1	11

#	ARTICLE	IF	CITATIONS
127	Direct Determination of NMR Correlation Times: A Analysis of the Cd ²⁺ CyDTA Complex by the Relaxation Rate Ratio Method. <i>Journal of Physical Chemistry A</i> , 1998, 102, 10573-10578.	1.1	10
128	Affinity capillary electrophoresis for the determination of binding affinities for low molecular weight heparins and antithrombin. <i>Electrophoresis</i> , 2014, 35, 1469-1477.	1.3	10
129	¹ H high-resolution magic-angle spinning (HR-MAS) NMR analysis of ligand density on resins using a resin internal standard. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 380, 627-631.	1.9	9
130	Heterogeneity of depolymerized heparin SEC fractions: to pool or not to pool?. <i>Carbohydrate Research</i> , 2008, 343, 2963-2970.	1.1	9
131	The Analytical Sciences Digital Library: a resource to promote active learning. <i>Reviews in Analytical Chemistry</i> , 2014, 33, 1-9.	1.5	9
132	Peak alignment of one-dimensional NMR spectra by means of an intensity fluctuation frequency difference (IFFD) segment-wise algorithm. <i>Analytical Methods</i> , 2015, 7, 9673-9682.	1.3	9
133	An improved method for suppressing protein background in PFG NMR experiments to determine ligand diffusion coefficients in the presence of receptor. <i>Journal of Magnetic Resonance</i> , 2006, 181, 327-330.	1.2	8
134	The Analytical Sciences Digital Library: Your Online Resource for Teaching Instrumentation. <i>Journal of Chemical Education</i> , 2011, 88, 375-377.	1.1	8
135	Glycosaminoglycans: Oligosaccharide Analysis by Liquid Chromatography, Capillary Electrophoresis, and Specific Labeling. <i>Methods in Molecular Biology</i> , 2012, 836, 131-144.	0.4	8
136	Celebrating the 75th Anniversary of the ACS Division of Analytical Chemistry: A Special Collection of the Most Highly Cited Analytical Chemistry Papers Published between 1938 and 2012. <i>Analytical Chemistry</i> , 2013, 85, 4201-4202.	3.2	8
137	¹ H and ¹³ C NMR spectral assignments of halogenated transformation products of pharmaceuticals and related environmental contaminants. <i>Magnetic Resonance in Chemistry</i> , 2014, 52, 310-317.	1.1	8
138	Evaluating sub-lethal stress from Roundup [®] exposure in <i>Artemia franciscana</i> using ¹ H NMR and GC-MS. <i>Aquatic Toxicology</i> , 2019, 212, 77-87.	1.9	8
139	Instruction in bioanalytical chemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 855-856.	1.9	7
140	Synthesis and conformational analysis of cyclic pentapeptide endothelin antagonists. <i>International Journal of Peptide and Protein Research</i> , 1996, 48, 229-239.	0.1	7
141	Screening enoxaparin tetrasaccharide SEC fractions for 3-O-sulfo-N-sulfoglucosamine residues using [¹ H, ¹⁵ N] HSQC NMR. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1545-1555.	1.9	7
142	¹ H NMR-Based Identification of Intestinally Absorbed Metabolites by Ussing Chamber Analysis of the Rat Cecum. <i>Analytical Chemistry</i> , 2018, 90, 4196-4202.	3.2	7
143	TDCIPP exposure affects <i>Artemia franciscana</i> growth and osmoregulation. <i>Science of the Total Environment</i> , 2019, 694, 133486.	3.9	7
144	Juice quality traits, potassium content, and ¹ H NMR derived metabolites of 14 pomegranate cultivars. <i>Journal of Berry Research</i> , 2019, 9, 209-225.	0.7	7

#	ARTICLE	IF	CITATIONS
145	Metabonomics, metabolomics, and metabolic profiling. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 523-523.	1.9	6
146	Happy New Yearâ€™renewal, welcome, and farewell. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3-5.	1.9	6
147	¹ H NMR-Based Metabolomics Methods for Chemical Genomics Experiments. <i>Methods in Molecular Biology</i> , 2014, 1056, 225-239.	0.4	6
148	Educational approaches for analytical science. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1399-1400.	1.9	5
149	Revising the quantitative analysis laboratory: What to keep? What to change?. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1191-1194.	1.9	5
150	The Analytical Sciences Digital Library (ASDL). <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 2425-2429.	1.9	5
151	Tips for effective poster presentations. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1347-1349.	1.9	4
152	The Analytical Sciences Digital Library: A Useful Resource for Active Learning. <i>ACS Symposium Series</i> , 2007, , 188-198.	0.5	4
153	Methods for Measuring Exchangeable Protons in Glycosaminoglycans. <i>Methods in Molecular Biology</i> , 2015, 1229, 173-187.	0.4	4
154	The Scope of Analytical Chemistry. <i>Analytical Chemistry</i> , 2015, 87, 6425-6425.	3.2	4
155	Solutionâ€™state ¹⁷ Oâ€™...Quadrupole Centralâ€™Transition NMR Spectroscopy in the Active Site of Tryptophan Synthase. <i>Angewandte Chemie</i> , 2016, 128, 1372-1376.	1.6	4
156	Rotating-frame nuclear overhauser enhancement spectroscopy of aqueous solutions with elimination of the water resonance by transverse relaxation. <i>Journal of Magnetic Resonance</i> , 1990, 87, 352-356.	0.5	3
157	LC/MS/MS and LC/NMR for the Structure Elucidation of Ciprofloxacin Transformation Products in Pond Water Solution. <i>ACS Symposium Series</i> , 2003, , 146-160.	0.5	3
158	Diffusion-edited NMR spectra of heparin contaminants. <i>Analytical Methods</i> , 2012, 4, 1168.	1.3	3
159	VIZRâ€™an automated chemometric technique for metabolic profiling. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8409-8417.	1.9	3
160	¹ H NMR characterization of chitin tetrasaccharide in binary H ₂ O:DMSO solution: Evidence for anomeric end-effect propagation. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 744-749.	3.6	3
161	Using Visible Spectrophotometers and pH Measurements To Study Speciation in a Guided-Inquiry Laboratory. <i>Journal of Chemical Education</i> , 2005, 82, 1552.	1.1	2
162	New developments in the characterization of heparin and its impurities. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 525-526.	1.9	2

#	ARTICLE	IF	CITATIONS
163	Determination of the binding epitope of lidocaine with AGP: minimizing the effects of nonspecific binding in saturation transfer difference experiments. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 337-347.	1.9	2
164	Investigation of the Amide Proton Solvent Exchange Properties of Glycosaminoglycan Oligosaccharides. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4653-4662.	1.2	2
165	Synthesis and Structure Reassignment of Malyglutamate, a Recently Discovered Earthworm Metabolite. <i>Journal of Natural Products</i> , 2019, 82, 417-421.	1.5	2
166	Quantitative Analysis in Organic Synthesis with NMR Spectroscopy. , 2004, , 1-36.		1
167	Synopsis of the ACS CPT Fall 2009 Faculty Status Survey. <i>Journal of Chemical Education</i> , 2011, 88, 11-13.	1.1	1
168	Bioanalytical Nuclear Magnetic Resonance Spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1401-1402.	1.9	0
169	Digital resources to enhance instruction. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 321-322.	1.9	0
170	Graduate student internships: developing scientists with real-world experiences. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 993-995.	1.9	0
171	Contributions of Ted Kuwana to Analytical Sciences Education. <i>Electroanalysis</i> , 0, , .	1.5	0
172	Methods for Measuring Exchangeable Protons in Glycosaminoglycans. <i>Methods in Molecular Biology</i> , 2022, 2303, 349-364.	0.4	0