Cynthia K Larive

List of Publications by Citations

164 papers	5,705 citations	41 h-index	67 g-index
176 ext. papers	6,163 ext. citations	5.7 avg, IF	5.66 L-index

#	Paper	IF	Citations
164	Selective mRNA translation coordinates energetic and metabolic adjustments to cellular oxygen deprivation and reoxygenation in Arabidopsis thaliana. *Plant Journal*, **2008**, 56, 743-55	6.9	268
163	Effects of three pharmaceutical and personal care products on natural freshwater algal assemblages. *Environmental Science & Technology*, **2003**, 37, 1713-9	10.3	267
162	Methanobactin, a copper-acquisition compound from methane-oxidizing bacteria. *Science*, **2004**, 305, 1612-5	33.3	257
161	NMR spectroscopy for metabolomics and metabolic profiling. *Analytical Chemistry*, **2015**, 87, 133-46	7.8	166
160	Quantitative NMR for bioanalysis and metabolomics. *Analytical and Bioanalytical Chemistry*, **2012**, 404, 1165-79	4.4	141
159	Diffusion Coefficients and Polydispersities of the Suwannee River Fulvic Acid: Comparison of Fluorescence Correlation Spectroscopy, Pulsed-Field Gradient Nuclear Magnetic Resonance, and Flow Field-Flow Fractionation. *Environmental Science & Technology*, **2000**, 34, 3508-3513	10.3	133
158	Arabidopsis P-glycoprotein19 participates in the inhibition of gravitropism by gravacin. *Chemistry and Biology*, **2007**, 14, 1366-76		117
157	Factors Affecting the Fate of Ciprofloxacin in Aquatic Field Systems. *Water, Air, and Soil Pollution*, **2005**, 161, 383-398	2.6	107
156	Two Rumex species from contrasting hydrological niches regulate flooding tolerance through distinct mechanisms. *Plant Cell*, **2013**, 25, 4691-707	11.6	101
155	Chemical genetic interrogation of natural variation uncovers a molecule that is glycoactivated. *Nature Chemical Biology*, **2007**, 3, 716-21	11.7	95
154	Comparison of GC-MS and NMR for metabolite profiling of rice subjected to submergence stress. *Journal of Proteome Research*, **2013**, 12, 898-909	5.6	88
153	Analysis and characterization of heparin impurities. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 527-39	4.4	84
152	Copper-binding compounds from Methylosinus trichosporium OB3b. *Journal of Bacteriology*, **1998**, 180, 3606-13	3.5	80
151	Fate and effects of enrofloxacin in aquatic systems under different light conditions. *Environmental Science & Technology*, **2005**, 39, 9140-6	10.3	78
150	Heparin characterization: challenges and solutions. *Annual Review of Analytical Chemistry*, **2011**, 4, 439-65	12.5	77
149	Measuring ligand-protein binding using NMR diffusion experiments. *Concepts in Magnetic Resonance*, **2004**, 20A, 24-41		75
148	Determination of the acid dissociation constant of the biosurfactant monorhamnolipid in aqueous solution by potentiometric and spectroscopic methods. *Analytical Chemistry*, **2006**, 78, 7649-58	7.8	73

147	Separation and analysis of peptides and proteins. *Analytical Chemistry*, **1999**, 71, 389R-423R	7.8	72
146	Advances in the separation, sensitive detection, and characterization of heparin and heparan sulfate. *Analytical and Bioanalytical Chemistry*, **2009**, 393, 155-69	4.4	70
145	Occurrence of halogenated transformation products of selected pharmaceuticals and personal care products in secondary and tertiary treated wastewaters from southern California. *Environmental Science & Technology*, **2015**, 49, 2044-51	10.3	69
144	Purification and physical-chemical properties of methanobactin: a chalkophore from Methylosinus trichosporium OB3b. *Biochemistry*, **2005**, 44, 5140-8	3.2	66
143	Applications of NMR spectroscopy in environmental science. *Progress in Nuclear Magnetic Resonance Spectroscopy*, **2004**, 45, 209-238	10.4	65
142	The 2D-J-DOSY experiment: resolving diffusion coefficients in mixtures. *Journal of Magnetic Resonance*, **2002**, 156, 138-45	3	64
141	Analysis of diffusion coefficient distributions in humic and fulvic acids by means of diffusion ordered NMR spectroscopy. *Analytical Chemistry*, **1999**, 71, 5315-21	7.8	61
140	Ultraperformance ion-pair liquid chromatography coupled to electrospray time-of-flight mass spectrometry for compositional profiling and quantification of heparin and heparan sulfate. *Analytical Chemistry*, **2008**, 80, 1297-306	7.8	60
139	Synthesis and properties of metal-ligand complexes with endohedral amine functionality. *Inorganic Chemistry*, **2011**, 50, 9430-42	5.1	58
138	Metolachlor and Alachlor Breakdown Product Formation Patterns in Aquatic Field Mesocosms. *Environmental Science & Technology*, **1999**, 33, 4471-4476	10.3	58
137	Measurement of SDS Micelle-Peptide Association Using (1)H NMR Chemical Shift Analysis and Pulsed-Field Gradient NMR Spectroscopy. *Analytical Chemistry*, **1998**, 70, 1339-45	7.8	57
136	Quantitative Analysis of Peptides with NMR Spectroscopy. *Applied Spectroscopy*, **1997**, 51, 1531-1536	3.1	56
135	Detection of insulin aggregates with pulsed-field gradient nuclear magnetic resonance spectroscopy. *Analytical Biochemistry*, **1995**, 229, 214-20	3.1	56
134	Cis/trans conformational equilibrium across the cysteine6-proline peptide bond of oxytocin, arginine vasopressin, and lysine vasopressin. *Journal of the American Chemical Society*, **1992**, 114, 7331-7337	16.4	55
133	Characterization of distinct root and shoot responses to low-oxygen stress in Arabidopsis with a focus on primary C- and N-metabolism. *Plant, Cell and Environment*, **2014**, 37, 2366-80	8.4	54
132	Differential metabolic regulation governed by the rice SUB1A gene during submergence stress and identification of alanylglycine by 1H NMR spectroscopy. *Journal of Proteome Research*, **2012**, 11, 320-30	5.6	52
131	Measurement of peptide aggregation with pulsed-field gradient nuclear magnetic resonance spectroscopy. *BBA - Proteins and Proteomics*, **1998**, 1382, 257-65		51
130	Analysis of protein/ligand interactions with NMR diffusion measurements: the importance of eliminating the protein background. *Journal of Magnetic Resonance*, **2002**, 155, 217-25	3	51

129	Capillary isotachophoresis/NMR: extension to trace impurity analysis and improved instrumental coupling. *Analytical Chemistry*, **2002**, 74, 2306-13	7.8	51
128	Nuclear magnetic resonance spectroscopic analysis of the selective complexation of the cis and trans isomers of phenylalanylproline by -cyclodextrin. *Analytica Chimica Acta*, **1995**, 307, 449-457	6.6	48
127	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. *Analytical Chemistry*, **1997**, 69, 2122-8	7.8	47
126	A comparison of metabolite extraction strategies for 1H-NMR-based metabolic profiling using mature leaf tissue from the model plant Arabidopsis thaliana. *Magnetic Resonance in Chemistry*, **2009**, 47 Suppl 1, S147-56	2.1	46
125	A mechanistic study of danazol dissolution in ionic surfactant solutions. *Journal of Pharmaceutical Sciences*, **2003**, 92, 424-35	3.9	44
124	Analytical and biological characterization of halogenated gemfibrozil produced through chlorination of wastewater. *Environmental Science & Technology*, **2012**, 46, 5583-9	10.3	41
123	Sulfamate proton solvent exchange in heparin oligosaccharides: evidence for a persistent hydrogen bond in the antithrombin-binding pentasaccharide Arixtra. *Glycobiology*, **2012**, 22, 1173-82	5.8	41
122	13C NMR Relaxation and 1H Diffusion (DOSY) Studies of an Acidic Chloroaluminate Melt. *The Journal of Physical Chemistry*, **1996**, 100, 4724-4728		41
121	Dynamics of cis/trans isomerization of the cysteine6-proline peptide bonds of oxytocin and arginine-vasopressin in aqueous and methanol solutions. *Journal of the American Chemical Society*, **1993**, 115, 2833-2836	16.4	41
120	Rice SUB1A constrains remodelling of the transcriptome and metabolome during submergence to facilitate post-submergence recovery. *Plant, Cell and Environment*, **2018**, 41, 721-736	8.4	40
119	Could smaller really be better? Current and future trends in high-resolution microcoil NMR spectroscopy. *Analytical and Bioanalytical Chemistry*, **2012**, 402, 61-8	4.4	40
118	Understanding chiral molecular micellar separations using steady-state fluorescence anisotropy, capillary electrophoresis, and NMR. *Langmuir*, **2007**, 23, 425-35	4	40
117	Epitope mapping and competitive binding of HSA drug site II ligands by NMR diffusion measurements. *Journal of the American Chemical Society*, **2004**, 126, 14258-66	16.4	39
116	Improved spin-echo-edited NMR diffusion measurements. *Journal of Magnetic Resonance*, **2001**, 153, 273-6	3	39
115	NMR diffusion analysis of surfactant-humic substance interactions. *Journal of Colloid and Interface Science*, **2003**, 261, 508-13	9.3	38
114	Tissue targeted metabonomics: metabolic profiling by microdialysis sampling and microcoil NMR. *Journal of Pharmaceutical and Biomedical Analysis*, **2005**, 38, 904-9	3.5	38
113	Analysis of molecular square size and purity via pulsed-field gradient NMR spectroscopy. *Inorganic Chemistry*, **2002**, 41, 6172-4	5.1	38
112	Use of NMR binding interaction mapping techniques to examine interactions of chiral molecules with molecular micelles. *Journal of Physical Chemistry B*, **2006**, 110, 17359-69	3.4	36

111	Polymer additives mixture analysis using pulsed-field gradient NMR spectroscopy. *Magnetic Resonance in Chemistry*, **1998**, 36, 755-760	2.1	35
110	Measurement of cadmium(II) and calcium(II) complexation by fulvic acids using 113Cd NMR. *Environmental Science & Technology*, **2001**, 35, 1463-8	10.3	35
109	Insights into the mechanism of separation of heparin and heparan sulfate disaccharides by reverse-phase ion-pair chromatography. *Journal of Chromatography A*, **2010**, 1217, 479-88	4.5	33
108	Separation and analysis of peptides and proteins. *Analytical Chemistry*, **1997**, 69, 29R-57R	7.8	33
107	NMR characterization of the host-guest inclusion complex between beta-cyclodextrin and doxepin. *Magnetic Resonance in Chemistry*, **2008**, 46, 838-45	2.1	33
106	Analytical applications of NMR diffusion measurements. *Analytical and Bioanalytical Chemistry*, **2004**, 378, 1405-7	4.4	33
105	Transferred nuclear overhauser effect in nuclear magnetic resonance diffusion measurements of ligand-protein binding. *Analytical Chemistry*, **2003**, 75, 627-34	7.8	32
104	Insights into the cITP process using on-line NMR spectroscopy. *Analytical Chemistry*, **2002**, 74, 4191-7	7.8	32
103	113Cd NMR Binding Studies of Cd□Fulvic Acid Complexes: Evidence of Fast Exchange. *Environmental Science & Technology*, **1996**, 30, 2828-2831	10.3	32
102	Characterization of humic substances: implications for trihalomethane formation. *Analytical and Bioanalytical Chemistry*, **2004**, 378, 1579-86	4.4	31
101	Characterizing the microstructure of heparin and heparan sulfate using N-sulfoglucosamine 1H and 15N NMR chemical shift analysis. *Analytical Chemistry*, **2013**, 85, 1247-55	7.8	30
100	Separations coupled with NMR detection. *TrAC - Trends in Analytical Chemistry*, **2003**, 22, 766-775	14.6	29
99	NMR Investigation of the Interactions between 4□Fluoro-1□acetonaphthone and the Suwannee River Fulvic Acid. *Environmental Science & Technology*, **1999**, 33, 958-964	10.3	29
98	Role of Undergraduate Research in an Excellent and Rigorous Undergraduate Chemistry Curriculum. *Journal of Chemical Education*, **2012**, 89, 7-9	2.4	28
97	A mechanistic study of griseofulvin dissolution into surfactant solutions under laminar flow conditions. *Journal of Pharmaceutical Sciences*, **1997**, 86, 1132-7	3.9	28
96	Nutrient level, microbial activity, and alachlor transformation in aerobic aquatic systems. *Water Research*, **2003**, 37, 4761-9	12.5	28
95	Progress toward automated metabolic profiling of human serum: comparison of CPMG and gradient-filtered NMR analytical methods. *Journal of Pharmaceutical and Biomedical Analysis*, **2005**, 39, 156-63	3.5	28
94	Solution-State (17)O Quadrupole Central-Transition NMR Spectroscopy in the Active Site of Tryptophan Synthase. *Angewandte Chemie - International Edition*, **2016**, 55, 1350-4	16.4	28

93	Detection of the 1H and 15N NMR resonances of sulfamate groups in aqueous solution: a new tool for heparin and heparan sulfate characterization. *Analytical Chemistry*, **2011**, 83, 8006-10	7.8	27
92	Separation and analysis of nanomole quantities of heparin oligosaccharides using on-line capillary isotachophoresis coupled with NMR detection. *Analytical Chemistry*, **2005**, 77, 5998-6003	7.8	27
91	Separation and analysis of trace degradants in a pharmaceutical formulation using on-line capillary isotachophoresis-NMR. *Analytical Chemistry*, **2007**, 79, 8446-53	7.8	26
90	Characterization of heparin impurities with HPLC-NMR using weak anion exchange chromatography. *Analytical Chemistry*, **2009**, 81, 10116-23	7.8	25
89	On-line NMR detection of microgram quantities of heparin-derived oligosaccharides and their structure elucidation by microcoil NMR. *Analytical and Bioanalytical Chemistry*, **2007**, 388, 1707-16	4.4	25
88	Using NMR to Develop Insights into Electrokinetic Chromatography. *Analytical Chemistry*, **2005**, 77, 254 A-263 A	7.8	25
87	Diffusion Ordered Spectroscopy of Room Temperature Chloroaluminate Melts. *The Journal of Physical Chemistry*, **1995**, 99, 12409-12412		25
86	Reversed-phase ion-pair ultra-high-performance-liquid chromatography-mass spectrometry for fingerprinting low-molecular-weight heparins. *Journal of Chromatography A*, **2013**, 1292, 201-10	4.5	24
85	Epimerization of cypermethrin stereoisomers in alcohols. *Journal of Agricultural and Food Chemistry* , **2009**, 57, 6938-43	5.7	24
84	Insights into cyclodextrin interactions during sample stacking using capillary isotachophoresis with on-line microcoil NMR detection. *Magnetic Resonance in Chemistry*, **2005**, 43, 755-61	2.1	24
83	Novel compstatin family peptides inhibit complement activation by drusen-like deposits in human retinal pigmented epithelial cell cultures. *Experimental Eye Research*, **2013**, 116, 96-108	3.7	23
82	Sources and Haloacetic Acid/Trihalomethane Formation Potentials of Aquatic Humic Substances in the Wakarusa River and Clinton Lake near Lawrence, Kansas. *Environmental Science & Technology*, **2000**, 34, 4278-4286	10.3	23
81	NMR Spectroscopy with Spectral Editing for the Analysis of Complex Mixtures. *Applied Spectroscopy* , **1999**, 53, 426A-440A	3.1	23
80	Conformational Analysis of the β-amyloid Peptide Fragment, β(12-28). *Journal of Biomolecular Structure and Dynamics*, **1995**, 13, 229-244	3.6	23
79	Hydroxyl-proton hydrogen bonding in the heparin oligosaccharide Arixtra in aqueous solution. *Journal of Physical Chemistry B*, **2014**, 118, 482-91	3.4	22
78	NMR methods to monitor the enzymatic depolymerization of heparin. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 593-603	4.4	22
77	Correlation of the capacity factor in vesicular electrokinetic chromatography with the octanol:water partition coefficient for charged and neutral analytes. *Pharmaceutical Research*, **2001** , 18, 104-11	4.5	22
76	Examination of cadmium(II) complexation by the Suwannee River fulvic acid using 113Cd NMR relaxation measurements. *Environmental Science & Technology*, **2001**, 35, 4900-4	10.3	22

75	1H NMR characterization of the product from single solid-phase resin beads using capillary NMR flow probes. *Journal of Magnetic Resonance*, **2001**, 153, 215-22	3	21
74	(1)H and (15)N NMR Characterization of the Amine Groups of Heparan Sulfate Related Glucosamine Monosaccharides in Aqueous Solution. *Analytical Chemistry*, **2015**, 87, 6842-8	7.8	20
73	Insights into the capillary electrophoresis separation of heparin disaccharides from nuclear magnetic resonance, pKa, and electrophoretic mobility measurements. *Analytical Chemistry*, **2009**, 81, 7406-15	7.8	20
72	Separation of ten phosphorylated mono-and disaccharides using HILIC and ion-pairing interactions. *Analytica Chimica Acta*, **2017**, 972, 102-110	6.6	18
71	A closer look at the nitrogen next door: 1H-15N NMR methods for glycosaminoglycan structural characterization. *Journal of Magnetic Resonance*, **2012**, 216, 169-74	3	18
70	NMR assignments and the acid-base characterization of the pomegranate ellagitannin punicalagin in the acidic pH-range. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 5807-16	4.4	18
69	13C and 27Al NMR Relaxation, Viscosity, and 1H Diffusion Studies of an Ethylaluminum Dichloride Melt. *Journal of Physical Chemistry B*, **1998**, 102, 1717-1723	3.4	18
68	Development of tissue-targeted metabonomics. Part 1. Analytical considerations. *Journal of Pharmaceutical and Biomedical Analysis*, **2008**, 46, 737-47	3.5	18
67	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, 6762-9	7.8	17
66	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, 814-26	8.3	16
65	Getting to know the nitrogen next door: HNMBC measurements of amino sugars. *Journal of Magnetic Resonance*, **2011**, 209, 323-31	3	16
64	H NMR Metabolic Profiling of Earthworm (Eisenia fetida) Coelomic Fluid, Coelomocytes, and Tissue: Identification of a New Metabolite-Malylglutamate. *Journal of Proteome Research*, **2017**, 16, 3407-3418	5.6	15
63	Concentration profiling in rat tissue by high-resolution magic-angle spinning NMR spectroscopy: investigation of a model drug. *Analytical Chemistry*, **2005**, 77, 2978-84	7.8	15
62	Metabolite biomarkers of chlorothalonil exposure in earthworms, coelomic fluid, and coelomocytes. *Science of the Total Environment*, **2019**, 681, 435-443	10.2	14
61	The efficient structure elucidation of minor components in heparin digests using microcoil NMR. *Carbohydrate Research*, **2011**, 346, 2244-54	2.9	14
60	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	2.1	14
59	New ACS Guidelines Approved by CPT. *Journal of Chemical Education*, **2008**, 85, 484	2.4	13
58	Metabolic Profiling of Chloroacetanilide Herbicides in Earthworm Coelomic Fluid Using H NMR and GC-MS. *Journal of Proteome Research*, **2018**, 17, 2611-2622	5.6	13

57	Anionic deep cavitands enable the adhesion of unmodified proteins at a membrane bilayer. *Soft Matter*, **2014**, 10, 9651-6	3.6	12
56	Microcoil NMR study of the interactions between doxepin, β-cyclodextrin, and acetate during capillary isotachophoresis. *Analytical Chemistry*, **2012**, 84, 7099-106	7.8	12
55	Use of 1H nuclear magnetic resonance to measure intracellular metabolite levels during growth and asexual sporulation in Neurospora crassa. *Eukaryotic Cell*, **2011**, 10, 820-31		12
54	Problem-based learning in the analytical chemistry laboratory course. *Analytical and Bioanalytical Chemistry*, **2004**, 380, 357-9	4.4	12
53	19F diffusion NMR analysis of enzyme-inhibitor binding. *Magnetic Resonance in Chemistry*, **2002**, 40, S98-S105	2.0	12
52	Analysis of the (Trimethylsilyl)propionic Acid-d4 (TSP)-Substance P (1-11 2-28) Peptide Binding Equilibrium with NMR Spectroscopy. *Analytical Chemistry*, **1999**, 71, 2117-22	7.8	12
51	Metabolic Impacts of Using Nitrogen and Copper-Regulated Promoters to Regulate Gene Expression in Neurospora crassa. *G3: Genes, Genomes, Genetics*, **2015**, 5, 1899-908	3.2	11
50	Probing the binding of propranolol enantiomers to alpha1-acid glycoprotein with ligand-detected NMR experiments. *Journal of Physical Chemistry B*, **2008**, 112, 13581-7	3.4	11
49	A picture is worth a thousand words: animations and simulations in the teaching of analytical science. *Analytical and Bioanalytical Chemistry*, **2008**, 390, 71-5	4.4	11
48	Complementary Analysis of Peptide Aggregation by NMR and Time-Resolved Laser Spectroscopy. *Journal of Physical Chemistry B*, **1999**, 103, 2262-2269	3.4	11
47	Use of PFG-NMR for Mixture Analysis: Measurement of Diffusion Coefficients of Cis and Trans Isomers of Proline-Containing Peptides. *Applied Spectroscopy*, **1999**, 53, 1595-1600	3.1	11
46	The interaction of enoxaparin and fondaparinux with calcium. *Carbohydrate Research*, **2014**, 384, 13-9	2.9	10
45	Tissue-targeted metabonomics: biological considerations and application to doxorubicin-induced hepatic oxidative stress. *Metabolomics*, **2009**, 5, 219-228	4.7	10
44	Visualizing ion electromigration during isotachophoretic separations with capillary isotachophoresis-NMR. *Analytical Chemistry*, **2006**, 78, 7078-87	7.8	10
43	High-performance liquid chromatographic-nuclear magnetic resonance investigation of the isomerization of alachlor-ethanesulfonic acid. *Journal of Chromatography A*, **2004**, 1022, 131-7	4.5	10
42	Heterogeneity of depolymerized heparin SEC fractions: to pool or not to pool?. *Carbohydrate Research*, **2008**, 343, 2963-70	2.9	9
41	Absorptive transport of amino acids by the rat colon. *American Journal of Physiology - Renal Physiology*, **2020**, 318, G189-G202	5.1	9
40	Affinity capillary electrophoresis for the determination of binding affinities for low molecular weight heparins and antithrombin-III. *Electrophoresis*, **2014**, 35, 1469-77	3.6	8

39	Glycosaminoglycans: oligosaccharide analysis by liquid chromatography, capillary electrophoresis, and specific labeling. *Methods in Molecular Biology*, **2012**, 836, 131-44	1.4	8
38	Physicochemical characterization of psychosine by 1H nuclear magnetic resonance and electron microscopy. *Lipids*, **1997**, 32, 1035-40	1.6	8
37	An improved method for suppressing protein background in PFG NMR experiments to determine ligand diffusion coefficients in the presence of receptor. *Journal of Magnetic Resonance*, **2006**, 181, 327-30	3	8
36	Direct Determination of NMR Correlation Times:Analysis of the CdCyDTA Complex by the Relaxation Rate Ratio Method. *Journal of Physical Chemistry A*, **1998**, 102, 10573-10578	2.8	8
35	Quantification of punicalagins in commercial preparations and pomegranate cultivars, by liquid chromatography-mass spectrometry. *Journal of the Science of Food and Agriculture*, **2019**, 99, 4036-4042	4.3	7
34	Peak alignment of one-dimensional NMR spectra by means of an intensity fluctuation frequency difference (IFFD) segment-wise algorithm. *Analytical Methods*, **2015**, 7, 9673-9682	3.2	7
33	(1)H and (13)C NMR spectral assignments of halogenated transformation products of pharmaceuticals and related environmental contaminants. *Magnetic Resonance in Chemistry*, **2014**, 52, 310-7	2.1	7
32	The Analytical Sciences Digital Library: Your Online Resource for Teaching Instrumentation. *Journal of Chemical Education*, **2011**, 88, 375-377	2.4	7
31	Synthesis and conformational analysis of cyclic pentapeptide endothelin antagonists. *International Journal of Peptide and Protein Research*, **1996**, 48, 229-39		7
30	1H high-resolution magic-angle spinning (HR-MAS) NMR analysis of ligand density on resins using a resin internal standard. *Analytical and Bioanalytical Chemistry*, **2004**, 380, 627-31	4.4	7
29	Instruction in bioanalytical chemistry. *Analytical and Bioanalytical Chemistry*, **2005**, 382, 855-6	4.4	7
28	The Analytical Sciences Digital Library: a resource to promote active learning. *Reviews in Analytical Chemistry*, **2014**, 33, 1-9	2.3	6
27	TDCIPP exposure affects Artemia franciscana growth and osmoregulation. *Science of the Total Environment*, **2019**, 694, 133486	10.2	5
26	Juice quality traits, potassium content, and 1H NMR derived metabolites of 14 pomegranate cultivars. *Journal of Berry Research*, **2019**, 9, 209-225	2	5
25	Screening enoxaparin tetrasaccharide SEC fractions for 3-O-sulfo-N-sulfoglucosamine residues using [(1)H,(15)N] HSQC NMR. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 1545-55	4.4	5
24	Educational approaches for analytical science. *Analytical and Bioanalytical Chemistry*, **2004**, 378, 1399-400	4.4	5
23	1H NMR-based metabolomics methods for chemical genomics experiments. *Methods in Molecular Biology*, **2014**, 1056, 225-39	1.4	5
22	Methods for measuring exchangeable protons in glycosaminoglycans. *Methods in Molecular Biology*, **2015**, 1229, 173-87	1.4	4

21	ABCs of teaching analytical sciences. Tips for effective poster presentations. *Analytical and Bioanalytical Chemistry*, **2006**, 385, 1347-9	4.4	4
20	Solution-State 17O Quadrupole Central-Transition NMR Spectroscopy in the Active Site of Tryptophan Synthase. *Angewandte Chemie*, **2016**, 128, 1372-1376	3.6	4
19	Evaluating sub-lethal stress from Roundup exposure in Artemia franciscana using H NMR and GC-MS. *Aquatic Toxicology*, **2019**, 212, 77-87	5.1	3
18	H NMR-Based Identification of Intestinally Absorbed Metabolites by Ussing Chamber Analysis of the Rat Cecum. *Analytical Chemistry*, **2018**, 90, 4196-4202	7.8	3
17	VIZR--an automated chemometric technique for metabolic profiling. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 8409-17	4.4	3
16	Diffusion-edited NMR spectra of heparin contaminants. *Analytical Methods*, **2012**, 4, 1168	3.2	3
15	The Analytical Sciences Digital Library (ASDL). *Analytical and Bioanalytical Chemistry*, **2009**, 395, 2425-2429	4.4	3
14	Revising the quantitative analysis laboratory: what to keep? What to change?. *Analytical and Bioanalytical Chemistry*, **2006**, 386, 1191-4	4.4	3
13	LC/MS/MS and LC/NMR for the Structure Elucidation of Ciprofloxacin Transformation Products in Pond Water Solution. *ACS Symposium Series*, **2003**, 146-160	0.4	3
12	Investigation of the Amide Proton Solvent Exchange Properties of Glycosaminoglycan Oligosaccharides. *Journal of Physical Chemistry B*, **2019**, 123, 4653-4662	3.4	2
11	The Analytical Sciences Digital Library: A Useful Resource for Active Learning. *ACS Symposium Series* , **2007**, 188-198	0.4	2
10	Using Visible Spectrophotometers and pH Measurements To Study Speciation in a Guided-Inquiry Laboratory. *Journal of Chemical Education*, **2005**, 82, 1552	2.4	2
9	Synthesis and Structure Reassignment of Malylglutamate, a Recently Discovered Earthworm Metabolite. *Journal of Natural Products*, **2019**, 82, 417-421	4.9	1
8	Rotating-frame nuclear overhauser enhancement spectroscopy of aqueous solutions with elimination of the water resonance by transverse relaxation. *Journal of Magnetic Resonance*, **1990**, 87, 352-356		1
7	H NMR characterization of chitin tetrasaccharide in binary HO:DMSO solution: Evidence for anomeric end-effect propagation. *International Journal of Biological Macromolecules*, **2019**, 129, 744-749	7.9	1
6	Determination of the binding epitope of lidocaine with AGP: minimizing the effects of nonspecific binding in saturation transfer difference experiments. *Analytical and Bioanalytical Chemistry*, **2012**, 402, 337-47	4.4	0
5	Synopsis of the ACS CPT Fall 2009 Faculty Status Survey. *Journal of Chemical Education*, **2011**, 88, 11-13	2.4	0
4	Digital resources to enhance instruction. *Analytical and Bioanalytical Chemistry*, **2004**, 379, 321-2	4.4	

List of Publications

3	Quantitative Analysis in Organic Synthesis with NMR Spectroscopy **2004**, 1-36	
2	Graduate student internships: developing scientists with real-world experiences. *Analytical and Bioanalytical Chemistry*, **2005**, 381, 993-5	4.4
1	Methods for Measuring Exchangeable Protons in Glycosaminoglycans. *Methods in Molecular Biology* , **2022**, 2303, 349-364	1.4