

Leopold L Ilag

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8942270/publications.pdf>

Version: 2024-02-01

76
papers

3,218
citations

136950
32
h-index

155660
55
g-index

79
all docs

79
docs citations

79
times ranked

4030
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibiotic-Efficient Genetic Cassette for the TEM-1 β -Lactamase That Improves Plasmid Performance. ACS Synthetic Biology, 2022, 11, 241-253.	3.8	4
2	Detection of Benzo[a]pyrene Diol Epoxide Adducts to Histidine and Lysine in Serum Albumin In Vivo by High-Resolution-Tandem Mass Spectrometry. Toxics, 2022, 10, 27.	3.7	2
3	A α -spindle and thread α -mechanism unblocks p53 translation by modulating N-terminal disorder. Structure, 2022, 30, 733-742.e7.	3.3	5
4	Structural Basis for Dityrosine-Mediated Inhibition of β -Synuclein Fibrillization. Journal of the American Chemical Society, 2022, 144, 11949-11954.	13.7	6
5	The amyloid-inhibiting NCAM-PrP peptide targets A β peptide aggregation in membrane-mimetic environments. IScience, 2021, 24, 102852.	4.1	15
6	Ion mobility-mass spectrometry shows stepwise protein unfolding under alkaline conditions. Chemical Communications, 2021, 57, 1450-1453.	4.1	8
7	Charge Engineering Reveals the Roles of Ionizable Side Chains in Electrospray Ionization Mass Spectrometry. JACS Au, 2021, 1, 2385-2393.	7.9	12
8	N -Glycosylation profiling of intact target proteins by high-resolution mass spectrometry (MS) and glycan analysis using ion mobility-MS/MS. Analyst, The, 2020, 145, 1737-1748.	3.5	11
9	Amyloid- β oligomers are captured by the DNAJB6 chaperone: Direct detection of interactions that can prevent primary nucleation. Journal of Biological Chemistry, 2020, 295, 8135-8144.	3.4	37
10	Measurements of Atmospheric Proteinaceous Aerosol in the Arctic Using a Selective UHPLC/ESI-MS/MS Strategy. Journal of the American Society for Mass Spectrometry, 2019, 30, 161-173.	2.8	14
11	Gas-Phase Collisions with Trimethylamine- N -Oxide Enable Activation-Controlled Protein Ion Charge Reduction. Journal of the American Society for Mass Spectrometry, 2019, 30, 1385-1388.	2.8	14
12	Insufficient evidence for BMAA transfer in the pelagic and benthic food webs in the Baltic Sea. Scientific Reports, 2019, 9, 10406.	3.3	11
13	Solvent-Assisted Paper Spray Ionization Mass Spectrometry (SAPSI-MS) for the Analysis of Biomolecules and Biofluids. Scientific Reports, 2019, 9, 10296.	3.3	18
14	Anti-aphrodisiac pheromone, a renewable signal in adult butterflies. Scientific Reports, 2019, 9, 14262.	3.3	4
15	Chiral analysis of β -methylamino alanine (BMAA) enantiomers after (+)-1-(9-fluorenyl)-ethyl chloroformate (FLEC) derivatization and LC-MS/MS. Analytical Methods, 2019, 11, 432-442.	2.7	5
16	Native Ion Mobility-Mass Spectrometry Reveals the Formation of β -Barrel Shaped Amyloid- β Hexamers in a Membrane-Mimicking Environment. Journal of the American Chemical Society, 2019, 141, 10440-10450.	13.7	94
17	Novel sample-substrates for the determination of new psychoactive substances in oral fluid by desorption electrospray ionization-high resolution mass spectrometry. Talanta, 2019, 202, 136-144.	5.5	35
18	Development of parallel reaction monitoring assays for cerebrospinal fluid proteins associated with Alzheimer's disease. Clinica Chimica Acta, 2019, 494, 79-93.	1.1	30

#	ARTICLE	IF	CITATIONS
19	Amyloid- β Peptide Interactions with Amphiphilic Surfactants: Electrostatic and Hydrophobic Effects. ACS Chemical Neuroscience, 2018, 9, 1680-1692.	3.5	51
20	The Fate of a Hapten - From the Skin to Modification of Macrophage Migration Inhibitory Factor (MIF) in Lymph Nodes. Scientific Reports, 2018, 8, 2895.	3.3	11
21	Investigation of ultrahigh-performance liquid chromatography/travelling-wave ion mobility/time-of-flight mass spectrometry for fast profiling of fatty acids in the high Arctic sea surface microlayer. Rapid Communications in Mass Spectrometry, 2018, 32, 942-950.	1.5	10
22	Advances in MS-Based Analytical Methods: Innovations and Future Trends. Journal of Analytical Methods in Chemistry, 2018, 2018, 1-2.	1.6	7
23	Soy protein supplement intake for 12 months has no effect on sexual maturation and may improve nutritional status in pre-pubertal children. Journal of Paediatrics and Child Health, 2018, 54, 997-1004.	0.8	5
24	MS-Based Analytical Techniques: Advances in Spray-Based Methods and EI-LC-MS Applications. Journal of Analytical Methods in Chemistry, 2018, 2018, 1-24.	1.6	12
25	Alzheimer's disease and cigarette smoke components: effects of nicotine, PAHs, and Cd(II), Cr(III), Pb(II), Pb(IV) ions on amyloid- β peptide aggregation. Scientific Reports, 2017, 7, 14423.	3.3	81
26	Host cell-derived lactate functions as an effector molecule in Neisseria meningitidis microcolony dispersal. PLoS Pathogens, 2017, 13, e1006251.	4.7	25
27	A Collaborative Evaluation of LC-MS/MS Based Methods for BMAA Analysis: Soluble Bound BMAA Found to Be an Important Fraction. Marine Drugs, 2016, 14, 45.	4.6	47
28	Peptide Reactivity of Isothiocyanates – Implications for Skin Allergy. Scientific Reports, 2016, 6, 21203.	3.3	22
29	Primordial soup was edible: abiotically produced Miller-Urey mixture supports bacterial growth. Scientific Reports, 2015, 5, 14338.	3.3	8
30	Environmental neurotoxin interaction with proteins: Dose-dependent increase of free and protein-associated BMAA (β -N-methylamino-L-alanine) in neonatal rat brain. Scientific Reports, 2015, 5, 15570.	3.3	26
31	Identification of proteins from human permanent erupted enamel. European Journal of Oral Sciences, 2015, 123, 390-395.	1.5	57
32	Improved detection of β -N-methylamino-L-alanine using N-hydroxysuccinimide ester of N-butylnicotinic acid for the localization of BMAA in blue mussels (Mytilus edulis). Analytical and Bioanalytical Chemistry, 2015, 407, 3743-3750.	3.7	9
33	Protein association of the neurotoxin and non-protein amino acid BMAA (β -N-methylamino-L-alanine) in the liver and brain following neonatal administration in rats. Toxicology Letters, 2014, 226, 1-5.	0.8	44
34	Quantification of neurotoxin BMAA (β -N-methylamino-L-alanine) in seafood from Swedish markets. Scientific Reports, 2014, 4, 6931.	3.3	73
35	Abiotic synthesis of amino acids and self-crystallization under prebiotic conditions. Scientific Reports, 2014, 4, 6769.	3.3	28
36	Diatoms: A Novel Source for the Neurotoxin BMAA in Aquatic Environments. PLoS ONE, 2014, 9, e84578.	2.5	121

#	ARTICLE	IF	CITATIONS
37	Strategy for quantifying trace levels of BMAA in cyanobacteria by LC/MS/MS. Analytical and Bioanalytical Chemistry, 2013, 405, 1283-1292.	3.7	56
38	Cyanobacteria Produce N-(2-Aminoethyl)Glycine, a Backbone for Peptide Nucleic Acids Which May Have Been the First Genetic Molecules for Life on Earth. PLoS ONE, 2012, 7, e49043.	2.5	61
39	Selective LC-MS/MS method for the identification of BMAA from its isomers in biological samples. Analytical and Bioanalytical Chemistry, 2012, 403, 1719-1730.	3.7	73
40	Systematic Analysis of Native Membrane Protein Complexes in <i>Escherichia coli</i> . Journal of Proteome Research, 2011, 10, 1848-1859.	3.7	67
41	Multifunctional Core-Shell Nanoparticles: Discovery of Previously Invisible Biomarkers. Journal of the American Chemical Society, 2011, 133, 19178-19188.	13.7	90
42	Nanocomposites as novel surfaces for laser desorption ionization mass spectrometry. Analytical Methods, 2011, 3, 192-197.	2.7	13
43	Trends in the bioanalytical applications of microfluidic electrocapture. Analytical and Bioanalytical Chemistry, 2011, 399, 191-195.	3.7	8
44	Monosaccharide compositional analysis of marine polysaccharides by hydrophilic interaction liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 399, 2517-2529.	3.7	20
45	A reference map of the membrane proteome of <i>Enterococcus faecalis</i> . Proteomics, 2011, 11, 3935-3941.	2.2	17
46	Light-Induced Water Oxidation by a Ru complex Containing a Bio-Inspired Ligand. Chemistry - A European Journal, 2011, 17, 7953-7959.	3.3	37
47	The use of hydrogel microparticles to sequester and concentrate bacterial antigens in a urine test for Lyme disease. Biomaterials, 2011, 32, 1157-1166.	11.4	52
48	Specific Adducts Formed through a Radical Reaction between Peptides and Contact Allergenic Hydroperoxides. Chemical Research in Toxicology, 2010, 23, 203-210.	3.3	15
49	Porcine P2 myelin protein primary structure and bound fatty acids determined by mass spectrometry. Analytical and Bioanalytical Chemistry, 2010, 397, 1903-1910.	3.7	4
50	Transfer of a cyanobacterial neurotoxin within a temperate aquatic ecosystem suggests pathways for human exposure. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9252-9257.	7.1	254
51	Analytical protocol for identification of BMAA and DAB in biological samples. Analyst, The, 2010, 135, 127-132.	3.5	91
52	The Exosome Associates Cotranscriptionally with the Nascent Pre-mRNP through Interactions with Heterogeneous Nuclear Ribonucleoproteins. Molecular Biology of the Cell, 2009, 20, 3459-3470.	2.1	33
53	Solid-state NMR investigations of Si-29 and N-15 enriched silicon nitride. Solid State Nuclear Magnetic Resonance, 2009, 36, 11-18.	2.3	19
54	Discrimination among IgG1- κ monoclonal antibodies produced by two cell lines using charge state distributions in nanoESI-TOF mass spectra. Journal of the American Society for Mass Spectrometry, 2009, 20, 1030-1036.	2.8	15

#	ARTICLE	IF	CITATIONS
55	Silicon nitride nanoparticles for surface-assisted laser desorption/ionization of small molecules. Journal of Nanoparticle Research, 2009, 11, 1509-1512.	1.9	19
56	Matrix-free laser desorption/ionisation mass spectrometry of polyphenols in red wine. Rapid Communications in Mass Spectrometry, 2009, 23, 1834-1840.	1.5	9
57	Matrix-free thin-layer chromatography/laser desorption ionization mass spectrometry for facile separation and identification of medicinal alkaloids. Rapid Communications in Mass Spectrometry, 2009, 23, 3655-3660.	1.5	27
58	Biomolecular Mass Spectrometry: Applications to Proteins and Peptides. , 2009, , 55-73.		0
59	1/4-Trap for the SALDI-MS Screening of Organic Compounds Prior to LC/MS Analysis. Analytical Chemistry, 2008, 80, 5515-5523.	6.5	21
60	Microfluidic Electrocapture-Assisted Mass Spectrometry of Membrane-Associated Polypeptides. Analytical Chemistry, 2008, 80, 7116-7120.	6.5	10
61	Proteomics of Synechocystis sp. PCC 6803. FEBS Journal, 2007, 274, 791-804.	4.7	59
62	Evidence for Micellar Structure in the Gas Phase. Journal of the American Chemical Society, 2007, 129, 8740-8746.	13.7	54
63	Mass Measurements of Increased Accuracy Resolve Heterogeneous Populations of Intact Ribosomes. Journal of the American Chemical Society, 2006, 128, 11433-11442.	13.7	166
64	Characterization of Functional Protein Complexes. , 2006, , 157-169.		0
65	Multimers of the fibroblast growth factor (FGF)-FGF receptor-saccharide complex are formed on long oligomers of heparin. Biochemical Journal, 2006, 393, 741-748.	3.7	48
66	Protein Complexes of the Escherichia coli Cell Envelope*. Journal of Biological Chemistry, 2005, 280, 34409-34419.	3.4	183
67	Heptameric (L12)6/L10 rather than canonical pentameric complexes are found by tandem MS of intact ribosomes from thermophilic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8192-8197.	7.1	134
68	Zn-Link: A Metal-Sharing Interface that Organizes the Quaternary Structure and Catalytic Site of the Endoribonuclease, RNase E. Biochemistry, 2005, 44, 4667-4675.	2.5	47
69	Mass spectrometry of intact ribosomes. FEBS Letters, 2005, 579, 943-947.	2.8	47
70	Mass Spectrometry of Escherichia coli RNA Polymerase: Interactions of the Core Enzyme with Rsd Protein. Structure, 2004, 12, 269-275.	3.3	28
71	Drug Binding Revealed by Tandem Mass Spectrometry of a Protein-Micelle Complex. Journal of the American Chemical Society, 2004, 126, 14362-14363.	13.7	64
72	Towards a Resolution of the Stoichiometry of the Fibroblast Growth Factor (FGF)-FGF Receptor-Heparin Complex. Journal of Molecular Biology, 2004, 339, 821-834.	4.2	107

#	ARTICLE	IF	CITATIONS
73	Studies of the RNA Degradosome-organizing Domain of the Escherichia coli Ribonuclease RNase E. Journal of Molecular Biology, 2004, 340, 965-979.	4.2	153
74	Quaternary Structure and Catalytic Activity of the Escherichia coli Ribonuclease E Amino-Terminal Catalytic Domain. Biochemistry, 2003, 42, 13848-13855.	2.5	66
75	Phospholipid Complexation and Association with Apolipoprotein C-II: Insights from Mass Spectrometry. Biophysical Journal, 2003, 85, 3802-3812.	0.5	40
76	Dissociation of Intact Escherichia coli Ribosomes in a Mass Spectrometer. Journal of Biological Chemistry, 2003, 278, 1259-1267.	3.4	49