

Bert C Lynn

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1641665/bert-c-lynn-publications-by-year.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86

papers

3,819

citations

31

h-index

61

g-index

90

ext. papers

4,096

ext. citations

5.7

avg, IF

4.93

L-index

#	Paper	IF	Citations
86	Target-directed evolution of novel modulators of the dopamine transporter in <i>Lobelia cardinalis</i> hairy root cultures. <i>Journal of Biotechnology</i> , 2021 , 342, 28-35	3.7	
85	The study of the chromatographic behavior and a mass spectrometric approach to differentiating the diastereomer pair of the E0-4 lignin dimer series. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 4037-4048	4.4	1
84	Interaction of lignin dimers with model cell membranes: A quartz crystal microbalance and molecular dynamics simulation study. <i>Biointerphases</i> , 2021 , 16, 041003	1.8	0
83	Controlling bacterial contamination during fuel ethanol fermentation using thermochemically depolymerized lignin bio-oils. <i>Green Chemistry</i> , 2021 , 23, 6477-6489	10	0
82	Pharmacokinetic and metabolic analysis of an Alzheimer's disease therapeutic in rat serum via microfluidic CZE-MS. <i>Biomedical Chromatography</i> , 2021 , e5243	1.7	0
81	Interaction of lignin-derived dimer and eugenol-functionalized silica nanoparticles with supported lipid bilayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 191, 111028	6	8
80	Antimicrobial Properties of Corn Stover Lignin Fractions Derived from Catalytic Transfer Hydrogenolysis in Supercritical Ethanol with a Ru/C Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18455-18467	8.3	3
79	Lithium cation basicity estimates of lignin E0-4 dimers by the kinetic method utilizing a novel ladder approach. <i>International Journal of Mass Spectrometry</i> , 2020 , 457, 116416	1.9	1
78	Heterogeneous and Homogeneous Components in Gas-Phase Pyrolysis of Hydrolytic Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12891-12901	8.3	1
77	Microfluidic capillary zone electrophoresis mass spectrometry analysis of alkaloids in <i>Lobelia cardinalis</i> transgenic and mutant plant cell cultures. <i>Electrophoresis</i> , 2019 , 40, 2921-2928	3.6	10
76	Understanding Laccase-Mediated Liquid Interactions toward Biocatalytic Lignin Conversion in Aqueous Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15928-15938	8.3	30
75	Experimental and Molecular Dynamics Simulation Study of the Effects of Lignin Dimers on the Gel-to-Fluid Phase Transition in DPPC Bilayers. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 8247-8260	3.4	7
74	Monolignol lithium cation basicity estimates and lithium adduct ion optimized geometries. <i>International Journal of Mass Spectrometry</i> , 2019 , 442, 109-116	1.9	1
73	A comparative study of the electrospray ionization response of E0-4 lignin model compounds. <i>Journal of Mass Spectrometry</i> , 2019 , 54, 540-548	2.2	2
72	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis for characterization of lignin oligomers using cationization techniques and 2,5-dihydroxyacetophenone (DHAP) matrix. <i>Rapid Communications in Mass Spectrometry</i> , 2019 , 33, 811-819	2.2	14
71	Modulating Mechanical Properties of Collagen-Lignin Composites. <i>ACS Applied Bio Materials</i> , 2019 , 2, 3562-3572	4.1	6
70	Characterization and sequencing of lithium cationized E0-4 lignin oligomers using higher-energy collisional dissociation mass spectrometry. <i>Analytica Chimica Acta</i> , 2019 , 1047, 104-114	6.6	10

69	Application of Chloride Adduct Ionization Tandem Mass Spectrometry for Characterizing and Sequencing Synthetic Lignin Model Compounds. <i>Energy & Fuels</i> , 2018 , 32, 5990-5998	4.1	12
68	A novel method for the rapid detection of post-translationally modified visinin-like protein 1 in rat models of brain injury. <i>Brain Injury</i> , 2018 , 32, 363-380	2.1	5
67	Correlating the potentiometric selectivity of cyclosporin-based electrodes with binding patterns obtained from electrospray ionization-mass spectrometry. <i>Analyst, The</i> , 2017 , 142, 3241-3249	5	2
66	A Novel Small Molecule Modulator of Amyloid Pathology. <i>Journal of Alzheimer's Disease</i> , 2016 , 53, 273-281	4.3	4
65	A Novel Plasma Based Biomarker of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015 , 47, 761-774	4.3	5
64	Calcium Channel Blockers, Progression to Dementia, and Effects on Amyloid Beta Peptide Production. <i>Oxidative Medicine and Cellular Longevity</i> , 2015 , 2015, 787805	6.7	25
63	Pretreatment of lignocellulosic biomass using Fenton chemistry. <i>Bioresource Technology</i> , 2014 , 162, 273-81	4	64
62	Nucleic acid oxidation: an early feature of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2014 , 128, 294-304	6	64
61	Used in sarcoma is a novel regulator of manganese superoxide dismutase gene transcription. <i>Antioxidants and Redox Signaling</i> , 2014 , 20, 1550-66	8.4	19
60	Pyrolysis GC/MS of sinapyl and coniferyl alcohol. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013 , 99, 161-169	6	33
59	Metabolic control of Clostridium thermocellum via inhibition of hydrogenase activity and the glucose transport rate. <i>Applied Microbiology and Biotechnology</i> , 2012 , 93, 1777-84	5.7	14
58	Procedure for the isolation of mitochondria, cytosolic and nuclear material from a single piece of neurological tissue for high-throughput mass spectral analysis. <i>Journal of Neuroscience Methods</i> , 2011 , 197, 279-82	3	17
57	Quantitative changes in the mitochondrial proteome from subjects with mild cognitive impairment, early stage, and late stage Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2010 , 19, 325-39	4.3	29
56	Quantitative proteomic analysis of mitochondria in aging PS-1 transgenic mice. <i>Cellular and Molecular Neurobiology</i> , 2009 , 29, 649-64	4.6	30
55	Analysis of composition and structure of Clostridium thermocellum membranes from wild-type and ethanol-adapted strains. <i>Applied Microbiology and Biotechnology</i> , 2009 , 82, 929-39	5.7	36
54	Development of a LC/MS/MS method to analyze butyrylcholinesterase inhibition resulting from multiple pesticide exposure. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 3681-5	3.2	7
53	Three-layer sandwich gel electrophoresis: a method of salt removal and protein concentration in proteome analysis. <i>Journal of Proteome Research</i> , 2008 , 7, 4256-65	5.6	17
52	An integrated approach for automating validation of extracted ion chromatographic peaks. <i>Bioinformatics</i> , 2008 , 24, 2103-4	7.2	1

51	A BBP-Mud2p heterodimer mediates branchpoint recognition and influences splicing substrate abundance in budding yeast. <i>Nucleic Acids Research</i> , 2008 , 36, 2787-98	20.1	34
50	Elimination of affinity reagent interference for the mass spectrometric detection of low-abundance proteins following immunoprecipitation. <i>Journal of Proteome Research</i> , 2007 , 6, 4758-62	5.6	1
49	Development of a MALDI-TOF-MS method to identify and quantify butyrylcholinesterase inhibition resulting from exposure to organophosphate and carbamate pesticides. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 698-706	3.5	29
48	The <i>Toxoplasma gondii</i> parasitophorous vacuole membrane: transactions across the border. <i>Journal of Eukaryotic Microbiology</i> , 2007 , 54, 25-8	3.6	45
47	Proteomic profile changes in membranes of ethanol-tolerant <i>Clostridium thermocellum</i> . <i>Applied Microbiology and Biotechnology</i> , 2007 , 74, 422-32	5.7	69
46	Identification of AGE-modified proteins in SH-SY5Y and OLN-93 cells. <i>Neurotoxicity Research</i> , 2006 , 9, 255-68	4.3	9
45	A novel Bicine running buffer system for doubled sodium dodecyl sulfate - polyacrylamide gel electrophoresis of membrane proteins. <i>Electrophoresis</i> , 2006 , 27, 2984-95	3.6	24
44	Inhibition of a spliceosome turnover pathway suppresses splicing defects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 13700-5	11.5	52
43	Detection and quantification of endogenous cyclic DNA adducts derived from trans-4-hydroxy-2-nonenal in human brain tissue by isotope dilution capillary liquid chromatography nano-electrospray tandem mass spectrometry. <i>Chemical Research in Toxicology</i> , 2006 , 19, 710-8	4	51
42	Inhibition of calpain-mediated cell death by a novel peptide inhibitor. <i>Experimental Neurology</i> , 2006 , 202, 506-13	5.7	9
41	Isolation of neural precursor cells from Alzheimer's disease and aged control postmortem brain. <i>Neurobiology of Aging</i> , 2006 , 27, 909-17	5.6	40
40	Increased levels of 4-hydroxynonenal and acrolein, neurotoxic markers of lipid peroxidation, in the brain in Mild Cognitive Impairment and early Alzheimer's disease. <i>Neurobiology of Aging</i> , 2006 , 27, 1094-9	5.6	284
39	Proteomic identification of proteins specifically oxidized in <i>Caenorhabditis elegans</i> expressing human A β (1-42): implications for Alzheimer's disease. <i>Neurobiology of Aging</i> , 2006 , 27, 1239-49	5.6	82
38	Amine promoted, metal enhanced degradation of Mirex under high temperature conditions. <i>Journal of Hazardous Materials</i> , 2006 , 135, 437-42	12.8	2
37	Development of a method for quantification of acrolein-deoxyguanosine adducts in DNA using isotope dilution-capillary LC/MS/MS and its application to human brain tissue. <i>Analytical Chemistry</i> , 2005 , 77, 5982-9	7.8	68
36	Analysis of derivatized biogenic aldehydes by LC tandem mass spectrometry. <i>Analytical Chemistry</i> , 2005 , 77, 3383-9	7.8	40
35	Proteomics analysis of human astrocytes expressing the HIV protein Tat. <i>Molecular Brain Research</i> , 2005 , 133, 307-16		41
34	Proteomic analysis of oxidatively modified proteins induced by the mitochondrial toxin 3-nitropropionic acid in human astrocytes expressing the HIV protein tat. <i>Molecular Brain Research</i> , 2005 , 133, 299-306		23

33	Proteomic analysis of specific brain proteins in aged SAMP8 mice treated with alpha-lipoic acid: implications for aging and age-related neurodegenerative disorders. <i>Neurochemistry International</i> , 2005 , 46, 159-68	4.4	103
32	Proteomic identification of proteins specifically oxidized by intracerebral injection of amyloid beta-peptide (1-42) into rat brain: implications for Alzheimer's disease. <i>Neuroscience</i> , 2005 , 132, 313-24	3.9	145
31	Proteomic identification of proteins oxidized by Abeta(1-42) in synaptosomes: implications for Alzheimer's disease. <i>Brain Research</i> , 2005 , 1044, 206-15	3.7	128
30	Redox proteomics analysis of oxidatively modified proteins in G93A-SOD1 transgenic mice--a model of familial amyotrophic lateral sclerosis. <i>Free Radical Biology and Medicine</i> , 2005 , 39, 453-62	7.8	115
29	Gamma-glutamylcysteine ethyl ester protection of proteins from Abeta(1-42)-mediated oxidative stress in neuronal cell culture: a proteomics approach. <i>Journal of Neuroscience Research</i> , 2005 , 79, 707-13	4.4	42
28	Quantitative proteomic analysis of mitochondria from primary neuron cultures treated with amyloid beta peptide. <i>Neurochemical Research</i> , 2005 , 30, 113-22	4.6	51
27	Waveboard Artifacts Generate Ghost Resonances Consistent with Equations for Predicting Ion Motion in Commercial Quadrupole Ion Traps. <i>European Journal of Mass Spectrometry</i> , 2005 , 11, 15-21	1.1	1
26	Interactions of the yeast SF3b splicing factor. <i>Molecular and Cellular Biology</i> , 2005 , 25, 10745-54	4.8	35
25	Proteomic analysis of brain proteins in the gracile axonal dystrophy (gad) mouse, a syndrome that emanates from dysfunctional ubiquitin carboxyl-terminal hydrolase L-1, reveals oxidation of key proteins. <i>Journal of Neurochemistry</i> , 2004 , 88, 1540-6	6	83
24	Degradation of camptothecin-20(S)-glycinate ester prodrug under physiological conditions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 35, 1113-25	3.5	15
23	Factors that affect ion trap data-dependent MS/MS in proteomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 150-7	3.5	30
22	Identification of nucleophosmin as an NF-kappaB co-activator for the induction of the human SOD2 gene. <i>Journal of Biological Chemistry</i> , 2004 , 279, 28209-19	5.4	83
21	Quantitative proteomics analysis of specific protein expression and oxidative modification in aged senescence-accelerated-prone 8 mice brain. <i>Neuroscience</i> , 2004 , 126, 915-26	3.9	138
20	Proteomic analysis of human ventricular cerebrospinal fluid from neurologically normal, elderly subjects using two-dimensional LC-MS/MS. <i>Journal of Proteome Research</i> , 2004 , 3, 97-103	5.6	62
19	The Clf1p splicing factor promotes spliceosome assembly through N-terminal tetratricopeptide repeat contacts. <i>Journal of Biological Chemistry</i> , 2003 , 278, 7875-83	5.4	28
18	Proteomic identification of nitrated proteins in Alzheimer's disease brain. <i>Journal of Neurochemistry</i> , 2003 , 85, 1394-401	6	466
17	An animal model of age-related macular degeneration in senescent Ccl-2- or Ccr-2-deficient mice. <i>Nature Medicine</i> , 2003 , 9, 1390-7	50.5	545
16	A versatile prodrug approach for liposomal core-loading of water-insoluble camptothecin anticancer drugs. <i>Journal of the American Chemical Society</i> , 2002 , 124, 7650-1	16.4	42

15	Evaluation of axial DC offsets during scanning of a quadrupole ion trap for sensitivity improvements. <i>Rapid Communications in Mass Spectrometry</i> , 2001 , 15, 679-84	2.2	4
14	Waveform activated rearrangement of n-butylbenzene molecular ions during tandem mass spectrometry in the quadrupole ion trap. <i>International Journal of Mass Spectrometry</i> , 1999 , 190-191, 265-279	1.9	6
13	Reactions of Vinyl Chloride and Methanol in a Quadrupole Ion Trap Mass Spectrometer during VOC Analysis. <i>Environmental Science & Technology</i> , 1999 , 33, 1528-1533	10.3	3
12	Photooxidative bleaching of chlorophyllin. <i>Free Radical Research</i> , 1999 , 31 Suppl, S97-105	4	7
11	Molecular ion stabilization for enhanced tandem mass spectrometry through derivatization for alkylphenols. <i>Rapid Communications in Mass Spectrometry</i> , 1998 , 12, 171-175	2.2	11
10	Modeling of the recognition site of the NK1 receptor. <i>Computational and Theoretical Chemistry</i> , 1996 , 366, 65-77		3
9	Brevetoxin B: Chemical Modifications, Synaptosome Binding, Toxicity, and an Unexpected Conformational Effect. <i>Journal of Organic Chemistry</i> , 1994 , 59, 2107-2113	4.2	67
8	Spherical Ion Recognition. <i>Journal of Japan Oil Chemists Society</i> , 1994 , 43, 813-820		
7	Hydrogen bonding in macrocyclic receptor systems. <i>Supramolecular Chemistry</i> , 1993 , 1, 253-260	1.8	10
6	Analysis of cation-macrocycle complexation by fast atom bombardment mass spectrometry. <i>Supramolecular Chemistry</i> , 1993 , 2, 177-182	1.8	6
5	Redox-active macrocycles designed for direct attachment to electrode surfaces. <i>Supramolecular Chemistry</i> , 1993 , 1, 145-153	1.8	4
4	Multiple cation binding by bola-amphiphilic crown ethers: Assessment by fast atom bombardment mass spectrometry. <i>Supramolecular Chemistry</i> , 1993 , 1, 195-197	1.8	3
3	Ferrocenyl iron as a donor group for complexed silver in ferrocenyldimethyl[2.2]cryptand: a redox-switched receptor effective in water. <i>Journal of the American Chemical Society</i> , 1992 , 114, 10583-10595	16.4	174
2	Estimation of cation binding properties in crown and lariat ether complexes using fast atom bombardment mass spectrometry. <i>Tetrahedron Letters</i> , 1992 , 33, 3825-3828	2	23
1	Derivatization of diaminocyclohexanes for determination of cis and trans isomers by gas chromatography. <i>Journal of Chromatography A</i> , 1987 , 408, 211-215	4.5	3