

Zhili Li

List of Publications by Year in descending order

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64
papers

1,434
citations

331670

21
h-index

345221

36
g-index

64
all docs

64
docs citations

64
times ranked

2322
citing authors

#	ARTICLE	IF	CITATIONS
1	Significantly increased monounsaturated lipids relative to polyunsaturated lipids in six types of cancer microenvironment are observed by mass spectrometry imaging. <i>Scientific Reports</i> , 2014, 4, 5959.	3.3	171
2	Human IgG Fc-glycosylation profiling reveals associations with age, sex, female sex hormones and thyroid cancer. <i>Journal of Proteomics</i> , 2012, 75, 2824-2834.	2.4	137
3	Lipid profiling for early diagnosis and progression of colorectal cancer using direct infusion electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 24-34.	1.5	95
4	Probing gender-specific lipid metabolites and diagnostic biomarkers for lung cancer using Fourier transform ion cyclotron resonance mass spectrometry. <i>Clinica Chimica Acta</i> , 2012, 414, 135-141.	1.1	66
5	A Snapshot of Enzyme Catalysis Using Electrospray Ionization Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2003, 125, 9938-9939.	13.7	64
6	Mass spectrometry imaging of small molecules in biological tissues using graphene oxide as a matrix. <i>Analytica Chimica Acta</i> , 2017, 962, 52-59.	5.4	60
7	Tissue imaging and serum lipidomic profiling for screening potential biomarkers of thyroid tumors by matrix-assisted laser desorption/ionization-Fourier transform ion cyclotron resonance mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4357-4370.	3.7	55
8	In situ characterizing membrane lipid phenotype of breast cancer cells using mass spectrometry profiling. <i>Scientific Reports</i> , 2015, 5, 11298.	3.3	51
9	Disease-specific IgG Fc N-glycosylation as personalized biomarkers to differentiate gastric cancer from benign gastric diseases. <i>Scientific Reports</i> , 2016, 6, 25957.	3.3	51
10	Electric Field-Assisted Matrix Coating Method Enhances the Detection of Small Molecule Metabolites for Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2015, 87, 5860-5865.	6.5	48
11	Serum Unsaturated Free Fatty Acids: A Potential Biomarker Panel for Early-Stage Detection of Colorectal Cancer. <i>Journal of Cancer</i> , 2016, 7, 477-483.	2.5	37
12	Change in N-linked glycosylation in human lung cancer: Age- and sex-related diagnostic potential. <i>Electrophoresis</i> , 2013, 34, 2407-2416.	2.4	34
13	Monitoring changes of docosahexaenoic acid-containing lipids during the recovery process of traumatic brain injury in rat using mass spectrometry imaging. <i>Scientific Reports</i> , 2017, 7, 5054.	3.3	29
14	High-throughput and high-sensitivity quantitative analysis of serum unsaturated fatty acids by chip-based nanoelectrospray ionization-Fourier transform ion cyclotron resonance mass spectrometry: Early stage diagnostic biomarkers of pancreatic cancer. <i>Analyst</i> , The, 2014, 139, 1697-1706.	3.5	27
15	Graphitic carbon nitride quantum dots as analytical probe for viewing sialic acid on the surface of cells and tissues. <i>Analytica Chimica Acta</i> , 2020, 1095, 204-211.	5.4	26
16	Facile and Selective Enrichment of Intact Sialoglycopeptides Using Graphitic Carbon Nitride. <i>Analytical Chemistry</i> , 2017, 89, 8064-8069.	6.5	25
17	Simultaneous Quantification of Serum Nonesterified and Esterified Fatty Acids as Potential Biomarkers to Differentiate Benign Lung Diseases from Lung Cancer. <i>Scientific Reports</i> , 2016, 6, 34201.	3.3	23
18	Kapok Fiber: A Natural Biomaterial for Highly Specific and Efficient Enrichment of Sialoglycopeptides. <i>Analytical Chemistry</i> , 2016, 88, 1067-1072.	6.5	23

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19	Simultaneous Quantification of Serum Multi-Phospholipids as Potential Biomarkers for Differentiating Different Pathophysiological states of lung, stomach, intestine, and pancreas. <i>Journal of Cancer</i> , 2017, 8, 2191-2204.	2.5	23
20	Probing the role of tightly bound phosphoenolpyruvate in <i>Escherichia coli</i> 3-deoxy-d-manno-octulosonate 8-phosphate synthase catalysis using quantitative time-resolved electrospray ionization mass spectrometry in the millisecond time range. <i>Analytical Biochemistry</i> , 2005, 343, 35-47.	2.4	21
21	Serum Unsaturated Free Fatty Acids: Potential Biomarkers for Early Detection and Disease Progression Monitoring of Non-Small Cell Lung Cancer. <i>Journal of Cancer</i> , 2014, 5, 706-714.	2.5	21
22	Elevated Serum Levels of Circulating Immunoinflammation-Related Protein Complexes Are Associated with Cancer. <i>Journal of Proteome Research</i> , 2014, 13, 710-719.	3.7	20
23	Decreased serum levels of free fatty acids are associated with breast cancer. <i>Clinica Chimica Acta</i> , 2014, 437, 31-37.	1.1	18
24	In vitro methylation by methanol: Proteomic screening and prevalence investigation. <i>Analytica Chimica Acta</i> , 2010, 661, 67-75.	5.4	17
25	Ammonia-treated N-(1-naphthyl) ethylenediamine dihydrochloride as a novel matrix for rapid quantitative and qualitative determination of serum free fatty acids by matrix-assisted laser desorption/ionization-Fourier transform ion cyclotron resonance mass spectrometry. <i>Analytica Chimica Acta</i> , 2013, 794, 82-89.	5.4	17
26	A relatively simple and economical protocol for proteomic analyses of human 20S proteasome: Compatible with both scaled-up and scaled-down purifications. <i>Electrophoresis</i> , 2009, 30, 2422-2430.	2.4	14
27	Change of fucosylated IgG2 Fc-glycoforms in pancreatitis and pancreatic adenocarcinoma: a promising disease-classification model. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 267-273.	3.7	14
28	Equal ratio of graphite carbon to activated charcoal for enrichment of N-glycopeptides prior to matrix-assisted laser desorption/ionization time-of-flight mass spectrometric identification. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 269-274.	1.5	13
29	Serum phospholipids are potential biomarkers for the early diagnosis of gastric cancer. <i>Clinica Chimica Acta</i> , 2021, 519, 276-284.	1.1	13
30	Monitoring enzyme catalysis in the multimeric state: Direct observation of <i>Arthrobacter</i> 4-hydroxybenzoyl-coenzyme A thioesterase catalytic complexes using time-resolved electrospray ionization mass spectrometry. <i>Analytical Biochemistry</i> , 2009, 394, 209-216.	2.4	12
31	Unsaturated free fatty acids: a potential biomarker panel for early detection of gastric cancer. <i>Biomarkers</i> , 2014, 19, 667-673.	1.9	12
32	Personalized biomarkers to monitor disease progression in advanced non-small-cell lung cancer patients treated with icotinib. <i>Clinica Chimica Acta</i> , 2015, 440, 44-48.	1.1	12
33	Probing the Role of Metal Ions in the Catalysis of <i>Helicobacter pylori</i> 3-Deoxy-d-manno-octulosonate-8-phosphate Synthase Using a Transient Kinetic Analysis. <i>Journal of Biological Chemistry</i> , 2004, 279, 15787-15794.	3.4	11
34	Profiling the potential biomarkers for cell differentiation of pancreatic cancer using iTRAQ and LC-MS/MS. <i>Proteomics - Clinical Applications</i> , 2009, 3, 862-871.	1.6	11
35	<i>In Situ</i> Characterizing Membrane Lipid Phenotype of Human Lung Cancer Cell Lines Using Mass Spectrometry Profiling. <i>Journal of Cancer</i> , 2016, 7, 810-816.	2.5	11
36	Four-Dimensional Orthogonal Electrophoresis System for Screening Protein Complexes and Protein-Protein Interactions Combined with Mass Spectrometry. <i>Journal of Proteome Research</i> , 2010, 9, 5325-5334.	3.7	10

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37	Gelâ€based proteomics analysis of the heterogeneity of 20S proteasomes from four human pancreatic cancer cell lines. <i>Proteomics - Clinical Applications</i> , 2011, 5, 484-492.	1.6	10
38	Tandem Mass Spectrometric Characterization of Fetuin Sialylated Glycopeptides Enriched by TiO ₂ Microcolumn. <i>Chinese Journal of Chemistry</i> , 2011, 29, 2229-2235.	4.9	9
39	Elevated serum immunoinflammation-related protein complexes are associated with psychosis. <i>Psychiatry Research</i> , 2015, 230, 96-101.	3.3	9
40	Serum immunoinflammation-related protein complexes discriminate between inflammatory bowel disease and colorectal cancer. <i>Clinical and Translational Oncology</i> , 2019, 21, 1680-1686.	2.4	9
41	Disease-specific haptoglobin-Î² chain N-glycosylation as biomarker to differentiate non-small cell lung cancer from benign lung diseases. <i>Journal of Cancer</i> , 2019, 10, 5628-5637.	2.5	9
42	Fe ₃ O ₄ @PANI: a magnetic polyaniline nanomaterial for highly efficient and handy enrichment of intact N-glycopeptides. <i>Analyst</i> , 2021, 146, 4261-4267.	3.5	9
43	Separation and Identification of HSP-Associated Protein Complexes from Pancreatic Cancer Cell Lines Using 2D CN/SDS-PAGE Coupled with Mass Spectrometry. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-8.	3.0	8
44	Tissue and serum lipidome shows altered lipid composition with diagnostic potential in mycosis fungoides. <i>Oncotarget</i> , 2017, 8, 48041-48050.	1.8	8
45	Association of serum total fatty acids with type 2 diabetes. <i>Clinica Chimica Acta</i> , 2020, 500, 59-68.	1.1	7
46	Dephosphorylation of intact glycoprotein to greatly improve digestion efficiency coupled with matrix-assisted laser desorption/ionizationâ€Fourier transform ion cyclotron resonance mass spectrometric analysis. <i>Analytica Chimica Acta</i> , 2013, 787, 140-147.	5.4	6
47	Serum Unsaturated Free Fatty Acids: A Potential Biomarker Panel for Differentiating Benign Thyroid Diseases from Thyroid Cancer. <i>Journal of Cancer</i> , 2015, 6, 1276-1281.	2.5	6
48	In situ detecting changes in membrane lipid phenotypes of macrophages cultured in different cancer microenvironments using mass spectrometry. <i>Analytica Chimica Acta</i> , 2018, 1026, 101-108.	5.4	6
49	Association of alteration of nucleosides and nucleotides with gastric cancer microenvironment. <i>International Journal of Mass Spectrometry</i> , 2018, 434, 37-42.	1.5	6
50	Diseaseâ€specific IgG Fc Glycosylation Ratios as Personalized Biomarkers to Differentiate Nonâ€Small Cell Lung Cancer from Benign Lung Diseases. <i>Proteomics - Clinical Applications</i> , 2020, 14, 1900016.	1.6	5
51	In situ probing changes in fattyâ€acyl chain length and desaturation of lipids in cancerous areas using mass spectrometry imaging. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4621.	1.6	5
52	Coral-like Magnetic Particles for Chemoselective Extraction of Anionic Metabolites. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32890-32900.	8.0	5
53	Broad-spectrum Four-dimensional Orthogonal Electrophoresis: A Novel Comprehensively Feasible System for Protein Complexomics Investigation. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 786-799.	3.8	3
54	Germline mutation analysis in the CYLD gene in Chinese patients with multiple trichoepitheliomas. <i>Genetics and Molecular Research</i> , 2014, 13, 9650-9655.	0.2	3

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55	Increased Levels of Serum Protein Complexes Are Associated with Type 2 Diabetes. <i>International Journal of Medical Sciences</i> , 2018, 15, 210-216.	2.5	3
56	Probing the Subunit-Subunit Interaction of the Tetramer of <i>E. coli</i> KDO8P Synthase by Electrospray Ionization Mass Spectrometry. <i>Chinese Journal of Chemistry</i> , 2009, 27, 111-116.	4.9	2
57	Screening and Verification of Differentially Expressed Proteins from Pancreatic Cancer Tissue. <i>Chinese Journal of Chemistry</i> , 2010, 28, 884-890.	4.9	2
58	Proteomics-based Characterization of Protein Complexes from Human Pancreatic Cancer Cell Line. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1548-1550.	4.9	2
59	Letter to the Editor. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1168-1172.	1.5	2
60	Dynamically <i>in situ</i> monitoring lipid changes in DHA-treated breast cells by matrix-assisted laser desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 987-990.	1.5	2
61	Serum immunoinflammatory-related protein complexes as personalized biomarkers for monitoring disease progression and response to treatment in lung cancer patients. <i>Clinica Chimica Acta</i> , 2022, 533, 53-62.	1.1	2
62	Small molecules as potential biomarkers of early gastric cancer: A mass spectrometry imaging approach. <i>Clinica Chimica Acta</i> , 2022, 534, 35-42.	1.1	2
63	Structural studies on <i>Helicobacter pylori</i> 3-deoxy-D-manno-2-octulosonate-8-phosphate synthase using electrospray ionization mass spectrometry: a tetrameric complex composed of dimeric dimers. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1573-1578.	1.5	1
64	Monitoring novel modified hemoglobin using mass spectrometry contributes to accurate blood glucose management of the Han Chinese population. <i>Clinica Chimica Acta</i> , 2019, 489, 124-129.	1.1	1