

# Ian A Blair

## List of Publications by Year in descending order

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196  
papers

12,891  
citations

28274

55  
h-index

28297

105  
g-index

208  
all docs

208  
docs citations

208  
times ranked

18206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oncogene-induced Nrf2 transcription promotes ROS detoxification and tumorigenesis. <i>Nature</i> , 2011, 475, 106-109.	27.8	1,831
2	Foxp3 Reprograms T Cell Metabolism to Function in Low-Glucose, High-Lactate Environments. <i>Cell Metabolism</i> , 2017, 25, 1282-1293.e7.	16.2	741
3	Akt-Dependent Metabolic Reprogramming Regulates Tumor Cell Histone Acetylation. <i>Cell Metabolism</i> , 2014, 20, 306-319.	16.2	473
4	Evidence for Intramyocardial Disruption of Lipid Metabolism and Increased Myocardial Ketone Utilization in Advanced Human Heart Failure. <i>Circulation</i> , 2016, 133, 706-716.	1.6	448
5	Vitamin C-Induced Decomposition of Lipid Hydroperoxides to Endogenous Genotoxins. <i>Science</i> , 2001, 292, 2083-2086.	12.6	406
6	Akt-mTORC1 signaling regulates Acly to integrate metabolic input to control of macrophage activation. <i>ELife</i> , 2016, 5, .	6.0	324
7	ATP-Citrate Lyase Controls a Glucose-to-Acetate Metabolic Switch. <i>Cell Reports</i> , 2016, 17, 1037-1052.	6.4	282
8	Characterization of 4-Oxo-2-nonenal as a Novel Product of Lipid Peroxidation. <i>Chemical Research in Toxicology</i> , 2000, 13, 698-702.	3.3	237
9	Stable-isotope dilution LC-MS for quantitative biomarker analysis. <i>Bioanalysis</i> , 2010, 2, 311-341.	1.5	206
10	DNA Adducts with Lipid Peroxidation Products. <i>Journal of Biological Chemistry</i> , 2008, 283, 15545-15549.	3.4	204
11	Liquid Chromatography/Electron Capture Atmospheric Pressure Chemical Ionization/Mass Spectrometry: Analysis of Pentafluorobenzyl Derivatives of Biomolecules and Drugs in the Attomole Range. <i>Analytical Chemistry</i> , 2000, 72, 3007-3013.	6.5	197
12	Activation of Polycyclic Aromatic Hydrocarbontrans-Dihydrodiol Proximate Carcinogens by Human Aldo-keto Reductase (AKR1C) Enzymes and Their Functional Overexpression in Human Lung Carcinoma (A549) Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 24799-24808.	3.4	197
13	Targeted lipidomics using electron capture atmospheric pressure chemical ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2168-2176.	1.5	184
14	Lipid hydroperoxide-mediated DNA damage. <i>Experimental Gerontology</i> , 2001, 36, 1473-1481.	2.8	179
15	Microbes vs. chemistry in the origin of the anaerobic gut lumen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4170-4175.	7.1	176
16	Gut microbiota modulate dendritic cell antigen presentation and radiotherapy-induced antitumor immune response. <i>Journal of Clinical Investigation</i> , 2019, 130, 466-479.	8.2	159
17	Quantitative analysis of amyloid $\beta$ peptides in cerebrospinal fluid of Alzheimer's disease patients by immunoaffinity purification and stable isotope dilution liquid chromatography/negative electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 3723-3735.	1.5	154
18	Covalent Modifications to 2-Deoxyguanosine by 4-Oxo-2-nonenal, a Novel Product of Lipid Peroxidation. <i>Chemical Research in Toxicology</i> , 1999, 12, 1195-1204.	3.3	147

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19	Lactate Limits T Cell Proliferation via the NAD(H) Redox State. <i>Cell Reports</i> , 2020, 33, 108500.	6.4	135
20	Inhibition of Mitochondrial Complex II by the Anticancer Agent Lonidamine. <i>Journal of Biological Chemistry</i> , 2016, 291, 42-57.	3.4	132
21	Impact of a High-fat Diet on Tissue Acyl-CoA and Histone Acetylation Levels. <i>Journal of Biological Chemistry</i> , 2017, 292, 3312-3322.	3.4	128
22	The CPT1a inhibitor, etomoxir induces severe oxidative stress at commonly used concentrations. <i>Scientific Reports</i> , 2018, 8, 6289.	3.3	119
23	Analysis of 7,8-Dihydro-8-oxo-2 $\epsilon$ -deoxyguanosine in Cellular DNA during Oxidative Stress. <i>Chemical Research in Toxicology</i> , 2009, 22, 788-797.	3.3	117
24	Oxidative DNA Damage and Cardiovascular Disease. <i>Trends in Cardiovascular Medicine</i> , 2001, 11, 148-155.	4.9	114
25	Effect of Immunoaffinity Depletion of Human Serum during Proteomic Investigations. <i>Journal of Proteome Research</i> , 2005, 4, 1722-1731.	3.7	113
26	Endogenous Glutathione Adducts. <i>Current Drug Metabolism</i> , 2006, 7, 853-872.	1.2	112
27	FBP1 loss disrupts liver metabolism and promotes tumorigenesis through a hepatic stellate cell senescence secretome. <i>Nature Cell Biology</i> , 2020, 22, 728-739.	10.3	110
28	Analysis of estrogens in serum and plasma from postmenopausal women: Past present, and future. <i>Steroids</i> , 2010, 75, 297-306.	1.8	107
29	Mechanism of antineoplastic activity of lonidamine. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016, 1866, 151-162.	7.4	107
30	Safety, pharmacodynamics, and potential benefit of omeveloxolone in Friedreich ataxia. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 15-26.	3.7	105
31	Evidence for the aldo-keto reductase pathway of polycyclic aromatic <i>trans</i> -dihydrodiol activation in human lung A549 cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6846-6851.	7.1	103
32	Targeted quantitative analysis of eicosanoid lipids in biological samples using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2736-2745.	2.3	96
33	Biomarkers of exposure to new and emerging tobacco delivery products. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L425-L452.	2.9	95
34	ATM Couples Replication Stress and Metabolic Reprogramming during Cellular Senescence. <i>Cell Reports</i> , 2015, 11, 893-901.	6.4	94
35	The anti-tumour agent lonidamine is a potent inhibitor of the mitochondrial pyruvate carrier and plasma membrane monocarboxylate transporters. <i>Biochemical Journal</i> , 2016, 473, 929-936.	3.7	93
36	CYP3A4 Mediates Growth of Estrogen Receptor-positive Breast Cancer Cells in Part by Inducing Nuclear Translocation of Phospho-Stat3 through Biosynthesis of ( $\pm$ )-14,15-Epoxyeicosatrienoic Acid (EET). <i>Journal of Biological Chemistry</i> , 2011, 286, 17543-17559.	3.4	89

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37	Cyclooxygenase-2-mediated DNA Damage. <i>Journal of Biological Chemistry</i> , 2005, 280, 28337-28346.	3.4	85
38	Arginase 2 Suppresses Renal Carcinoma Progression via Biosynthetic Cofactor Pyridoxal Phosphate Depletion and Increased Polyamine Toxicity. <i>Cell Metabolism</i> , 2018, 27, 1263-1280.e6.	16.2	85
39	Liquid chromatography-mass spectrometry (LC-MS) of steroid hormone metabolites and its applications. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 121, 546-555.	2.5	78
40	Changes in Aged Fibroblast Lipid Metabolism Induce Age-Dependent Melanoma Cell Resistance to Targeted Therapy via the Fatty Acid Transporter FATP2. <i>Cancer Discovery</i> , 2020, 10, 1282-1295.	9.4	75
41	The Post-Synaptic Density of Human Postmortem Brain Tissues: An Experimental Study Paradigm for Neuropsychiatric Illnesses. <i>PLoS ONE</i> , 2009, 4, e5251.	2.5	72
42	Determination of cellular redox status by stable isotope dilution liquid chromatography/mass spectrometry analysis of glutathione and glutathione disulfide. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 432-440.	1.5	71
43	Targeted quantitative analysis of fatty acids in atherosclerotic plaques by high sensitivity liquid chromatography/tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 850, 168-176.	2.3	70
44	AMPK Activation and Metabolic Reprogramming by Tamoxifen through Estrogen Receptor-Independent Mechanisms Suggests New Uses for This Therapeutic Modality in Cancer Treatment. <i>Cancer Research</i> , 2016, 76, 3295-3306.	0.9	69
45	Endogenous Lipid Hydroperoxide-mediated DNA-adduct Formation in Min Mice. <i>Journal of Biological Chemistry</i> , 2006, 281, 10127-10133.	3.4	67
46	4-Hydroperoxy-2-nonenal-Induced Formation of 1,N2-Etheno-2-deoxyguanosine Adducts. <i>Chemical Research in Toxicology</i> , 2005, 18, 780-786.	3.3	66
47	20-Hydroxyeicosatetraenoic acid is excreted as a glucuronide conjugate in human urine. <i>Biochemical and Biophysical Research Communications</i> , 1992, 185, 728-733.	2.1	64
48	A Novel Lipid Hydroperoxide-derived Cyclic Covalent Modification to Histone H4. <i>Journal of Biological Chemistry</i> , 2003, 278, 42098-42105.	3.4	63
49	Identification and Quantification of Preterm Birth Biomarkers in Human Cervicovaginal Fluid by Liquid Chromatography/Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2009, 8, 2407-2417.	3.7	62
50	Vaginal microbiota and genitourinary menopausal symptoms: a cross-sectional analysis. <i>Menopause</i> , 2017, 24, 1160-1166.	2.0	62
51	Second trimester amniotic fluid bisphenol A concentration is associated with decreased birth weight in term infants. <i>Reproductive Toxicology</i> , 2017, 67, 1-9.	2.9	62
52	SILEC: a protocol for generating and using isotopically labeled coenzyme A mass spectrometry standards. <i>Nature Protocols</i> , 2012, 7, 1-11.	12.0	61
53	8-Oxo-2-deoxyguanosine as a biomarker of tobacco-smoking-induced oxidative stress. <i>Free Radical Biology and Medicine</i> , 2012, 53, 610-617.	2.9	60
54	Chaperone-mediated autophagy regulates the pluripotency of embryonic stem cells. <i>Science</i> , 2020, 369, 397-403.	12.6	60

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55	The Effect of Menthol on Cigarette Smoking Behaviors, Biomarkers and Subjective Responses. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2013, 22, 382-389.	2.5	58
56	Absolute Quantification of Phosphorylation on the Kinase Activation Loop of Cellular Focal Adhesion Kinase by Stable Isotope Dilution Liquid Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 3304-3313.	6.5	57
57	15-oxo-Eicosatetraenoic Acid, a Metabolite of Macrophage 15-Hydroxyprostaglandin Dehydrogenase That Inhibits Endothelial Cell Proliferation. <i>Molecular Pharmacology</i> , 2009, 76, 516-525.	2.3	56
58	The phospholipase A <sub>2</sub> activity of peroxiredoxin 6 modulates NADPH oxidase 2 activation via lysophosphatidic acid receptor signaling in the pulmonary endothelium and alveolar macrophages. <i>FASEB Journal</i> , 2016, 30, 2885-2898.	0.5	56
59	Induction of endothelial cell apoptosis by lipid hydroperoxide-derived bifunctional electrophiles. <i>Free Radical Biology and Medicine</i> , 2005, 39, 1162-1176.	2.9	53
60	Stable Isotope Labeling by Essential Nutrients in Cell Culture for Preparation of Labeled Coenzyme A and Its Thioesters. <i>Analytical Chemistry</i> , 2011, 83, 1363-1369.	6.5	52
61	Production of stable isotope-labeled acyl-coenzyme A thioesters by yeast stable isotope labeling by essential nutrients in cell culture. <i>Analytical Biochemistry</i> , 2015, 474, 59-65.	2.4	51
62	Resolution of epoxyeicosatrienoate enantiomers by chiral phase chromatography. <i>Analytical Biochemistry</i> , 1989, 182, 300-303.	2.4	50
63	Analysis of Protein Expression during Oxidative Stress in Breast Epithelial Cells Using a Stable Isotope Labeled Proteome Internal Standard. <i>Journal of Proteome Research</i> , 2005, 4, 2007-2014.	3.7	50
64	Ultrasensitive quantification of serum estrogens in postmenopausal women and older men by liquid chromatography-tandem mass spectrometry. <i>Steroids</i> , 2015, 96, 140-152.	1.8	47
65	Glutathione antioxidant pathway activity and reserve determine toxicity and specificity of the biliary toxin bilitresone in zebrafish. <i>Hepatology</i> , 2016, 64, 894-907.	7.3	47
66	Targeted chiral lipidomics analysis. <i>Prostaglandins and Other Lipid Mediators</i> , 2005, 77, 141-157.	1.9	46
67	A novel pool of rat liver inositol and ethanolamine phospholipids contains epoxyeicosatrienoic acids (EETs). <i>Biochemical and Biophysical Research Communications</i> , 1987, 146, 638-644.	2.1	45
68	Nicotine exposure and metabolizer phenotypes from analysis of urinary nicotine and its 15 metabolites by LC-MS. <i>Bioanalysis</i> , 2011, 3, 745-761.	1.5	45
69	Development, validation and application of a stable isotope dilution liquid chromatography electrospray ionization/selected reaction monitoring/mass spectrometry (SID-LC/ESI/SRM/MS) method for quantification of keto-androgens in human serum. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 138, 281-289.	2.5	45
70	Diisopropylethylamine/hexafluoroisopropanol-mediated ion-pairing ultra-high-performance liquid chromatography/mass spectrometry for phosphate and carboxylate metabolite analysis: utility for studying cellular metabolism. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1835-1845.	1.5	45
71	Differential Reliance on Lipid Metabolism as a Salvage Pathway Underlies Functional Differences of T Cell Subsets in Poor Nutrient Environments. <i>Cell Reports</i> , 2018, 23, 741-755.	6.4	45
72	A Novel 4-Oxo-2(E)-nonenal-Derived Endogenous Thiadiazabicyclo Glutathione Adduct Formed during Cellular Oxidative Stress. <i>Chemical Research in Toxicology</i> , 2007, 20, 1008-1018.	3.3	44

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73	Differential Secreted Proteome Approach in Murine Model for Candidate Biomarker Discovery in Colon Cancer. <i>Journal of Proteome Research</i> , 2009, 8, 5153-5164.	3.7	44
74	Cholesterol Auxotrophy as a Targetable Vulnerability in Clear Cell Renal Cell Carcinoma. <i>Cancer Discovery</i> , 2021, 11, 3106-3125.	9.4	44
75	Regiospecific and enantioselective metabolism of 8,9-epoxyeicosatrienoic acid by cyclooxygenase. <i>Biochemical and Biophysical Research Communications</i> , 1992, 183, 138-143.	2.1	43
76	Inhibition of Neuronal Cell Mitochondrial Complex I with Rotenone Increases Lipid $\dot{I}^2$ -Oxidation, Supporting Acetyl-Coenzyme A Levels. <i>Journal of Biological Chemistry</i> , 2014, 289, 26895-26903.	3.4	42
77	[2] Electron-capture negative-ion chemical ionization mass spectrometry of lipid mediators. <i>Methods in Enzymology</i> , 1990, 187, 13-23.	1.0	41
78	Dioxododecenoic Acid: A Lipid Hydroperoxide-Derived Bifunctional Electrophile Responsible for Etheno DNA Adduct Formation. <i>Chemical Research in Toxicology</i> , 2005, 18, 566-578.	3.3	40
79	Upregulation of Antioxidant Capacity and Nucleotide Precursor Availability Suffices for Oncogenic Transformation. <i>Cell Metabolism</i> , 2021, 33, 94-109.e8.	16.2	39
80	Cyclooxygenase-2-Mediated Metabolism of Arachidonic Acid to 15-Oxo-eicosatetraenoic Acid by Rat Intestinal Epithelial Cells. <i>Chemical Research in Toxicology</i> , 2007, 20, 1665-1675.	3.3	38
81	Gestational Diabetes Alters the Metabolomic Profile in 2nd Trimester Amniotic Fluid in a Sex-Specific Manner. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2696.	4.1	38
82	Liquid Chromatography-High Resolution Mass Spectrometry Analysis of Platelet Frataxin as a Protein Biomarker for the Rare Disease Friedreich's Ataxia. <i>Analytical Chemistry</i> , 2018, 90, 2216-2223.	6.5	37
83	Simultaneous determination of etoposide and its catechol metabolite in the plasma of pediatric patients by liquid chromatography/tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2001, 36, 771-781.	1.6	36
84	Liquid chromatography/mass spectrometry analysis of bifunctional electrophiles and DNA adducts from vitamin C mediated decomposition of 15-hydroperoxyeicosatetraenoic acid. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 849-858.	1.5	35
85	Targeted Chiral Lipidomics Analysis by Liquid Chromatography Electron Capture Atmospheric Pressure Chemical Ionization Mass Spectrometry (LC-ECAPCI/MS). <i>Methods in Enzymology</i> , 2007, 433, 159-174.	1.0	35
86	Biochemical Fractionation and Stable Isotope Dilution Liquid Chromatography-mass Spectrometry for Targeted and Microdomain-specific Protein Quantification in Human Postmortem Brain Tissue. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1670-1681.	3.8	35
87	Heme Binding Biguanides Target Cytochrome P450-Dependent Cancer Cell Mitochondria. <i>Cell Chemical Biology</i> , 2017, 24, 1259-1275.e6.	5.2	35
88	Analysis of HETEs in human whole blood by chiral UHPLC-ECAPCI/HRMS. <i>Journal of Lipid Research</i> , 2018, 59, 564-575.	4.2	35
89	Characterization of a new N-terminally acetylated extra-mitochondrial isoform of frataxin in human erythrocytes. <i>Scientific Reports</i> , 2018, 8, 17043.	3.3	35
90	Analysis of Fell-mediated decomposition of a linoleic acid-derived lipid hydroperoxide by liquid chromatography/mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005, 40, 661-668.	1.6	34

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91	Novel lipid hydroperoxide-derived hemoglobin histidine adducts as biomarkers of oxidative stress. <i>Journal of Mass Spectrometry</i> , 2005, 40, 754-764.	1.6	34
92	Analysis of endogenous glutathione adducts and their metabolites. <i>Biomedical Chromatography</i> , 2010, 24, 29-38.	1.7	34
93	Targeted Chiral Analysis of Bioactive Arachidonic Acid Metabolites Using Liquid-Chromatography-Mass Spectrometry. <i>Metabolites</i> , 2012, 2, 337-365.	2.9	33
94	A broad-spectrum lipidomics screen of antiinflammatory drug combinations in human blood. <i>JCI Insight</i> , 2016, 1, .	5.0	33
95	Unexpected Formation of Etheno-2-Deoxyguanosine Adducts from 5(S)-Hydroperoxyeicosatetraenoic Acid: Evidence for a Bis-Hydroperoxide Intermediate. <i>Chemical Research in Toxicology</i> , 2005, 18, 599-610.	3.3	32
96	Liquid chromatography/mass spectrometry of pre-ionized Girard P derivatives for quantifying estrone and its metabolites in serum from postmenopausal women. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1297-1307.	1.5	32
97	Estrogens and Their Genotoxic Metabolites Are Increased in Obese Prepubertal Girls. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 2322-2328.	3.6	32
98	Relative Quantification of Serum Proteins from Pancreatic Ductal Adenocarcinoma Patients by Stable Isotope Dilution Liquid Chromatography-Mass Spectrometry. <i>Journal of Proteome Research</i> , 2012, 11, 1749-1758.	3.7	31
99	15-Oxo-eicosatetraenoic acid is a 15-hydroxyprostaglandin dehydrogenase-derived electrophilic mediator of inflammatory signaling pathways. <i>Chemico-Biological Interactions</i> , 2015, 234, 144-153.	4.0	31
100	Ultra-high sensitivity analysis of estrogens for special populations in serum and plasma by liquid chromatography-mass spectrometry: Assay considerations and suggested practices. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 162, 70-79.	2.5	31
101	Analysis of epoxyeicosatrienoic acids by chiral liquid chromatography/electron capture atmospheric pressure chemical ionization mass spectrometry using [ <sup>13</sup> C] analog internal standards. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3237-3247.	1.5	30
102	A Validated Liquid Chromatography/Tandem Mass Spectrometry Assay for cis-Amminedichloro(2-methylpyridine)platinum(II) in Human Plasma Ultrafiltrate. <i>Analytical Chemistry</i> , 2002, 74, 591-599.	6.5	29
103	Analysis of estrogens and androgens in postmenopausal serum and plasma by liquid chromatography-mass spectrometry. <i>Steroids</i> , 2015, 99, 76-83.	1.8	29
104	Targeted chiral lipidomics analysis of bioactive eicosanoid lipids in cellular systems. <i>BMB Reports</i> , 2009, 42, 401-410.	2.4	29
105	Regulation of Benzo[ <i>a</i> ]pyrene-Mediated DNA- and Glutathione-Adduct Formation by 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin in Human Lung Cells. <i>Chemical Research in Toxicology</i> , 2011, 24, 89-98.	3.3	28
106	Serum apolipoprotein A-1 quantification by LC-MS with a SILAC internal standard reveals reduced levels in smokers. <i>Bioanalysis</i> , 2015, 7, 2895-2911.	1.5	28
107	Associations between improvement in genitourinary symptoms of menopause and changes in the vaginal ecosystem. <i>Menopause</i> , 2018, 25, 500-507.	2.0	28
108	Analytical Methods for Mass Spectrometry-Based Metabolomics Studies. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1140, 635-647.	1.6	28

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109	Stable isotope dilution liquid chromatography/mass spectrometry analysis of cellular and tissue medium- and long-chain acyl-coenzyme A thioesters. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1840-1848.	1.5	27
110	Opportunities and Challenges for Environmental Exposure Assessment in Population-Based Studies. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2017, 26, 1370-1380.	2.5	27
111	Two Distinct Translesion Synthesis Pathways across a Lipid Peroxidation-derived DNA Adduct in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 191-198.	3.4	26
112	Stable isotopes and LC-MS for monitoring metabolic disturbances in Friedreich's ataxia platelets. <i>Bioanalysis</i> , 2015, 7, 1843-1855.	1.5	26
113	Validation of highly sensitive simultaneous targeted and untargeted analysis of keto-steroids by Girard P derivatization and stable isotope dilution-liquid chromatography-high resolution mass spectrometry. <i>Steroids</i> , 2016, 116, 60-66.	1.8	26
114	Rotenone-Mediated Changes in Intracellular Coenzyme A Thioester Levels: Implications for Mitochondrial Dysfunction. <i>Chemical Research in Toxicology</i> , 2011, 24, 1630-1632.	3.3	24
115	Glutamine deprivation triggers NACK-dependent hexosamine salvage. <i>ELife</i> , 2021, 10, .	6.0	24
116	11-Oxoeicosatetraenoic Acid Is a Cyclooxygenase-2/15-Hydroxyprostaglandin Dehydrogenase-Derived Antiproliferative Eicosanoid. <i>Chemical Research in Toxicology</i> , 2011, 24, 2227-2236.	3.3	23
117	Untargeted Metabolomics from Biological Sources Using Ultraperformance Liquid Chromatography-High Resolution Mass Spectrometry (UPLC-HRMS). <i>Journal of Visualized Experiments</i> , 2013, , e50433.	0.3	23
118	<sup>13</sup> C MRS and LC-MS Flux Analysis of Tumor Intermediary Metabolism. <i>Frontiers in Oncology</i> , 2016, 6, 135.	2.8	23
119	Adrenocortical carcinoma and succinate dehydrogenase gene mutations: an observational case series. <i>European Journal of Endocrinology</i> , 2017, 177, 439-444.	3.7	23
120	Plasma Etoposide Catechol Increases in Pediatric Patients Undergoing Multiple-Day Chemotherapy with Etoposide. <i>Clinical Cancer Research</i> , 2004, 10, 2977-2985.	7.0	22
121	5-Lipoxygenase-mediated Endogenous DNA Damage. <i>Journal of Biological Chemistry</i> , 2009, 284, 16799-16807.	3.4	22
122	A new liquid chromatography/mass spectrometry method for 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL) in urine. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 115-121.		22
123	Bonded Cumomer Analysis of Human Melanoma Metabolism Monitored by <sup>13</sup> C NMR Spectroscopy of Perfused Tumor Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 5157-5171.	3.4	22
124	Simultaneous quantitation of nine hydroxy-androgens and their conjugates in human serum by stable isotope dilution liquid chromatography electrospray ionization tandem mass spectrometry. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 165, 342-355.	2.5	22
125	Maternal serum serpin B7 is associated with early spontaneous preterm birth. <i>American Journal of Obstetrics and Gynecology</i> , 2014, 211, 678.e1-678.e12.	1.3	21
126	Metabolism and Distribution of Benzo[ <i>a</i> ]pyrene-7,8-dione (B[a]P-7,8-dione) in Human Lung Cells by Liquid Chromatography Tandem Mass Spectrometry: Detection of an Adenine B[a]P-7,8-dione Adduct. <i>Chemical Research in Toxicology</i> , 2012, 25, 993-1003.	3.3	20



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127	The current state of biomarker research for Friedreichâ€™s ataxia: a report from the 2018 FARA biomarker meeting. <i>Future Science OA</i> , 2019, 5, FSO398.	1.9	20
128	Effects of systemic inflammation on relapse in early breast cancer. <i>Npj Breast Cancer</i> , 2021, 7, 7.	5.2	20
129	Human platelets as a platform to monitor metabolic biomarkers using stable isotopes and LCâ€™MS. <i>Bioanalysis</i> , 2013, 5, 3009-3021.	1.5	19
130	LC/ESI/MS Analysis of Saturated and Unsaturated Fatty Acids in Rat Intestinal Epithelial Cells. <i>Current Drug Metabolism</i> , 2006, 7, 929-937.	1.2	18
131	Translational metabolomics in cancer research. <i>Biomarkers in Medicine</i> , 2015, 9, 821-834.	1.4	18
132	Mass spectrometry-based approaches to targeted quantitative proteomics in cardiovascular disease. <i>Clinical Proteomics</i> , 2016, 13, 20.	2.1	18
133	Cervicovaginal fluid proteomic analysis to identify potential biomarkers for preterm birth. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 222, 493.e1-493.e13.	1.3	18
134	Autophagy mitigates ethanol-induced mitochondrial dysfunction and oxidative stress in esophageal keratinocytes. <i>PLoS ONE</i> , 2020, 15, e0239625.	2.5	18
135	Quantification of Serum High Mobility Group Box 1 by Liquid Chromatography/High-Resolution Mass Spectrometry: Implications for Its Role in Immunity, Inflammation, and Cancer. <i>Analytical Chemistry</i> , 2018, 90, 7552-7560.	6.5	17
136	Extra-mitochondrial mouse frataxin and its implications for mouse models of Friedreichâ€™s ataxia. <i>Scientific Reports</i> , 2020, 10, 15788.	3.3	17
137	Using biochemistry and biophysics to extinguish androgen receptor signaling in prostate cancer. <i>Journal of Biological Chemistry</i> , 2021, 296, 100240.	3.4	17
138	Metabolism of propionic acid to a novel acyl-coenzyme A thioester by mammalian cell lines and platelets. <i>Journal of Lipid Research</i> , 2015, 56, 142-150.	4.2	16
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