

Ian A Blair

List of Publications by Citations

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199
papers

9,760
citations

48
h-index

93
g-index

208
ext. papers

11,506
ext. citations

5.8
avg. IF

6.18
L-index

#	Paper	IF	Citations
199	Oncogene-induced Nrf2 transcription promotes ROS detoxification and tumorigenesis. <i>Nature</i> , 2011 , 475, 106-9	50.4	1458
198	Foxp3 Reprograms T Cell Metabolism to Function in Low-Glucose, High-Lactate Environments. <i>Cell Metabolism</i> , 2017 , 25, 1282-1293.e7	24.6	435
197	Vitamin C-induced decomposition of lipid hydroperoxides to endogenous genotoxins. <i>Science</i> , 2001 , 292, 2083-6	33.3	359
196	Akt-dependent metabolic reprogramming regulates tumor cell histone acetylation. <i>Cell Metabolism</i> , 2014 , 20, 306-319	24.6	340
195	Evidence for Intramyocardial Disruption of Lipid Metabolism and Increased Myocardial Ketone Utilization in Advanced Human Heart Failure. <i>Circulation</i> , 2016 , 133, 706-16	16.7	281
194	Akt-mTORC1 signaling regulates Acly to integrate metabolic input to control of macrophage activation. <i>ELife</i> , 2016 , 5,	8.9	230
193	Characterization of 4-oxo-2-nonenal as a novel product of lipid peroxidation. <i>Chemical Research in Toxicology</i> , 2000 , 13, 698-702	4	219
192	ATP-Citrate Lyase Controls a Glucose-to-Acetate Metabolic Switch. <i>Cell Reports</i> , 2016 , 17, 1037-1052	10.6	181
191	DNA adducts with lipid peroxidation products. <i>Journal of Biological Chemistry</i> , 2008 , 283, 15545-9	5.4	180
190	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, 3007-13	7.8	177
189	Stable-isotope dilution LCMS for quantitative biomarker analysis. <i>Bioanalysis</i> , 2010 , 2, 311-41	2.1	175
188	Activation of polycyclic aromatic hydrocarbon trans-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, 24799-808	5.4	175
187	Targeted lipidomics using electron capture atmospheric pressure chemical ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 2168-76	2.2	165
186	Lipid hydroperoxide-mediated DNA damage. <i>Experimental Gerontology</i> , 2001 , 36, 1473-81	4.5	162
185	Covalent modifications to 2Sdeoxyguanosine by 4-oxo-2-nonenal, a novel product of lipid peroxidation. <i>Chemical Research in Toxicology</i> , 1999 , 12, 1195-204	4	139
184	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, 3723-35	2.2	133
183	Effect of immunoaffinity depletion of human serum during proteomic investigations. <i>Journal of Proteome Research</i> , 2005 , 4, 1722-31	5.6	106

182	Analysis of 7,8-dihydro-8-oxo-2Sdeoxyguanosine in cellular DNA during oxidative stress. <i>Chemical Research in Toxicology</i> , 2009 , 22, 788-97	4	101
181	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	11.5	100
180	Endogenous glutathione adducts. <i>Current Drug Metabolism</i> , 2006 , 7, 853-72	3.5	100
179	Oxidative DNA damage and cardiovascular disease. <i>Trends in Cardiovascular Medicine</i> , 2001 , 11, 148-55	6.9	99
178	Analysis of estrogens in serum and plasma from postmenopausal women: past present, and future. <i>Steroids</i> , 2010 , 75, 297-306	2.8	98
177	Evidence for the aldo-keto reductase pathway of polycyclic aromatic trans-dihydrodiol activation in human lung A549 cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6846-51	11.5	97
176	Inhibition of Mitochondrial Complex II by the Anticancer Agent Lonidamine. <i>Journal of Biological Chemistry</i> , 2016 , 291, 42-57	5.4	96
175	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, 2736-45	3.2	90
174	Impact of a High-fat Diet on Tissue Acyl-CoA and Histone Acetylation Levels. <i>Journal of Biological Chemistry</i> , 2017 , 292, 3312-3322	5.4	89
173	Cyclooxygenase-2-mediated DNA damage. <i>Journal of Biological Chemistry</i> , 2005 , 280, 28337-46	5.4	80
172	The CPT1a inhibitor, etomoxir induces severe oxidative stress at commonly used concentrations. <i>Scientific Reports</i> , 2018 , 8, 6289	4.9	77
171	CYP3A4 mediates growth of estrogen receptor-positive breast cancer cells in part by inducing nuclear translocation of phospho-Stat3 through biosynthesis of (E)-14,15-epoxyeicosatrienoic acid (EET). <i>Journal of Biological Chemistry</i> , 2011 , 286, 17543-59	5.4	76
170	ATM couples replication stress and metabolic reprogramming during cellular senescence. <i>Cell Reports</i> , 2015 , 11, 893-901	10.6	75
169	Gut microbiota modulate dendritic cell antigen presentation and radiotherapy-induced antitumor immune response. <i>Journal of Clinical Investigation</i> , 2020 , 130, 466-479	15.9	74
168	Liquid chromatography-mass spectrometry (LC-MS) of steroid hormone metabolites and its applications. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010 , 121, 546-55	5.1	68
167	Mechanism of antineoplastic activity of lonidamine. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016 , 1866, 151-162	11.2	65
166	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, 168-76	3.2	65
165	4-Hydroperoxy-2-nonenal-induced formation of 1,N2-etheno-2Sdeoxyguanosine adducts. <i>Chemical Research in Toxicology</i> , 2005 , 18, 780-6	4	65

164	The post-synaptic density of human postmortem brain tissues: an experimental study paradigm for neuropsychiatric illnesses. <i>PLoS ONE</i> , 2009 , 4, e5251	3.7	63
163	Endogenous lipid hydroperoxide-mediated DNA-adduct formation in min mice. <i>Journal of Biological Chemistry</i> , 2006 , 281, 10127-33	5.4	63
162	Safety, pharmacodynamics, and potential benefit of omaveloxolone in Friedreich ataxia. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 15-26	5.3	61
161	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, 432-40	2.2	60
160	A novel lipid hydroperoxide-derived cyclic covalent modification to histone H4. <i>Journal of Biological Chemistry</i> , 2003 , 278, 42098-105	5.4	60
159	20-Hydroxyeicosatetraenoic acid is excreted as a glucuronide conjugate in human urine. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 185, 728-33	3.4	59
158	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, 929-36	3.8	58
157	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	5.8	56
156	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, 2407-17	5.6	56
155	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, 3304-13	7.8	52
154	Second trimester amniotic fluid bisphenol A concentration is associated with decreased birth weight in term infants. <i>Reproductive Toxicology</i> , 2017 , 67, 1-9	3.4	50
153	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, 3295-306	10.1	50
152	SILEC: a protocol for generating and using isotopically labeled coenzyme A mass spectrometry standards. <i>Nature Protocols</i> , 2011 , 7, 1-12	18.8	48
151	Induction of endothelial cell apoptosis by lipid hydroperoxide-derived bifunctional electrophiles. <i>Free Radical Biology and Medicine</i> , 2005 , 39, 1162-76	7.8	48
150	15-oxo-Eicosatetraenoic acid, a metabolite of macrophage 15-hydroxyprostaglandin dehydrogenase that inhibits endothelial cell proliferation. <i>Molecular Pharmacology</i> , 2009 , 76, 516-25	4.3	47
149	Resolution of epoxyeicosatrienoate enantiomers by chiral phase chromatography. <i>Analytical Biochemistry</i> , 1989 , 182, 300-3	3.1	47
148	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	24.6	45
147	8-Oxo-2Sdeoxyguanosine as a biomarker of tobacco-smoking-induced oxidative stress. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 610-7	7.8	45

146	The effect of menthol on cigarette smoking behaviors, biomarkers and subjective responses. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2013 , 22, 382-9	4	44
145	Differential secreted proteome approach in murine model for candidate biomarker discovery in colon cancer. <i>Journal of Proteome Research</i> , 2009 , 8, 5153-64	5.6	43
144	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, 2007-14	5.6	43
143	The phospholipase A2 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, 2885-98	0.9	43
142	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, 1008-18	4	42
141	Regiospecific and enantioselective metabolism of 8,9-epoxyeicosatrienoic acid by cyclooxygenase. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 183, 138-43	3.4	42
140	Stable isotope labeling by essential nutrients in cell culture for preparation of labeled coenzyme A and its thioesters. <i>Analytical Chemistry</i> , 2011 , 83, 1363-9	7.8	40
139	A novel pool of rat liver inositol and ethanolamine phospholipids contains epoxyeicosatrienoic acids (EETs). <i>Biochemical and Biophysical Research Communications</i> , 1987 , 146, 638-44	3.4	40
138	Ultrasensitive quantification of serum estrogens in postmenopausal women and older men by liquid chromatography-tandem mass spectrometry. <i>Steroids</i> , 2015 , 96, 140-52	2.8	39
137	Nicotine exposure and metabolizer phenotypes from analysis of urinary nicotine and its 15 metabolites by LC-MS. <i>Bioanalysis</i> , 2011 , 3, 745-61	2.1	39
136	Dioxododecenoic acid: a lipid hydroperoxide-derived bifunctional electrophile responsible for etheno DNA adduct formation. <i>Chemical Research in Toxicology</i> , 2005 , 18, 566-78	4	39
135	FBP1 loss disrupts liver metabolism and promotes tumorigenesis through a hepatic stellate cell senescence secretome. <i>Nature Cell Biology</i> , 2020 , 22, 728-739	23.4	38
134	Electron-capture negative-ion chemical ionization mass spectrometry of lipid mediators. <i>Methods in Enzymology</i> , 1990 , 187, 13-23	1.7	38
133	Targeted chiral lipidomics analysis. <i>Prostaglandins and Other Lipid Mediators</i> , 2005 , 77, 141-57	3.7	37
132	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, 281-9	5.1	36
131	Vaginal microbiota and genitourinary menopausal symptoms: a cross-sectional analysis. <i>Menopause</i> , 2017 , 24, 1160-1166	2.5	36
130	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, 1665-75	4	35
129	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, 159-74	1.7	33

128	Novel lipid hydroperoxide-derived hemoglobin histidine adducts as biomarkers of oxidative stress. <i>Journal of Mass Spectrometry</i> , 2005 , 40, 754-64	2.2	33
127	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, 849-58	2.2	33
126	Glutathione antioxidant pathway activity and reserve determine toxicity and specificity of the biliary toxin biliatresone in zebrafish. <i>Hepatology</i> , 2016 , 64, 894-907	11.2	33
125	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, 1835-45	2.2	32
124	Analysis of FeII-mediated decomposition of a linoleic acid-derived lipid hydroperoxide by liquid chromatography/mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005 , 40, 661-8	2.2	32
123	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, 771-81	2.2	32
122	Unexpected formation of etheno-2Sdeoxyguanosine adducts from 5(S)-hydroperoxyeicosatetraenoic acid: evidence for a bis-hydroperoxide intermediate. <i>Chemical Research in Toxicology</i> , 2005 , 18, 599-610	4	31
121	Estrogens and Their Genotoxic Metabolites Are Increased in Obese Prepubertal Girls. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 2322-8	5.6	30
120	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	3.1	30
119	Lactate Limits T Cell Proliferation via the NAD(H) Redox State. <i>Cell Reports</i> , 2020 , 33, 108500	10.6	30
118	Inhibition of neuronal cell mitochondrial complex I with rotenone increases lipid oxidation, supporting acetyl-coenzyme A levels. <i>Journal of Biological Chemistry</i> , 2014 , 289, 26895-26903	5.4	30
117	Analysis of endogenous glutathione-adducts and their metabolites. <i>Biomedical Chromatography</i> , 2010 , 24, 29-38	1.7	30
116	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	24.4	29
115	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, 1670-81	7.6	29
114	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, 1749-58	5.6	29
113	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	10.6	28
112	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	7.8	28
111	Regulation of benzo[a]pyrene-mediated DNA- and glutathione-adduct formation by 2,3,7,8-tetrachlorodibenzo-p-dioxin in human lung cells. <i>Chemical Research in Toxicology</i> , 2011 , 24, 89-98 ⁴		28

110	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, 1297-307	2.2	27
109	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, 591-9	7.8	27
108	A broad-spectrum lipidomics screen of antiinflammatory drug combinations in human blood. <i>JCI Insight</i> , 2016 , 1,	9.9	27
107	Targeted chiral lipidomics analysis of bioactive eicosanoid lipids in cellular systems. <i>BMB Reports</i> , 2009 , 42, 401-10	5.5	27
106	Analysis of estrogens and androgens in postmenopausal serum and plasma by liquid chromatography-mass spectrometry. <i>Steroids</i> , 2015 , 99, 76-83	2.8	26
105	Chaperone-mediated autophagy regulates the pluripotency of embryonic stem cells. <i>Science</i> , 2020 , 369, 397-403	33.3	26
104	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	5.4	24
103	Targeted chiral analysis of bioactive arachidonic Acid metabolites using liquid-chromatography-mass spectrometry. <i>Metabolites</i> , 2012 , 2, 337-65	5.6	24
102	Analysis of epoxyeicosatrienoic acids by chiral liquid chromatography/electron capture atmospheric pressure chemical ionization mass spectrometry using [¹³ C]-analog internal standards. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 3237-47	2.2	24
101	15-Oxoeicosatetraenoic acid is a 15-hydroxyprostaglandin dehydrogenase-derived electrophilic mediator of inflammatory signaling pathways. <i>Chemico-Biological Interactions</i> , 2015 , 234, 144-53	5	23
100	Characterization of a new N-terminally acetylated extra-mitochondrial isoform of frataxin in human erythrocytes. <i>Scientific Reports</i> , 2018 , 8, 17043	4.9	23
99	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,	6.3	23
98	Analysis of HETEs in human whole blood by chiral UHPLC-ECAPCI/HRMS. <i>Journal of Lipid Research</i> , 2018 , 59, 564-575	6.3	22
97	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, 70-9	5.1	22
96	11-Oxoeicosatetraenoic acid is a cyclooxygenase-2/15-hydroxyprostaglandin dehydrogenase-derived antiproliferative eicosanoid. <i>Chemical Research in Toxicology</i> , 2011 , 24, 2227-36 ⁴		22
95	Serum apolipoprotein A-1 quantification by LC-MS with a SILAC internal standard reveals reduced levels in smokers. <i>Bioanalysis</i> , 2015 , 7, 2895-911	2.1	21
94	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, 1840-8	2.2	21
93	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, 115-21	2.2	20

92	Plasma etoposide catechol increases in pediatric patients undergoing multiple-day chemotherapy with etoposide. <i>Clinical Cancer Research</i> , 2004 , 10, 2977-85	12.9	20
91	Adrenocortical carcinoma and succinate dehydrogenase gene mutations: an observational case series. <i>European Journal of Endocrinology</i> , 2017 , 177, 439-444	6.5	19
90	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	5.1	19
89	Metabolism and distribution of benzo[a]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	4	19
88	(13)C MRS and LC-MS Flux Analysis of Tumor Intermediary Metabolism. <i>Frontiers in Oncology</i> , 2016 , 6, 135	5.3	19
87	Stable isotopes and LC-MS for monitoring metabolic disturbances in Friedreich's ataxia platelets. <i>Bioanalysis</i> , 2015 , 7, 1843-55	2.1	18
86	Bonded Cumomer Analysis of Human Melanoma Metabolism Monitored by 13C NMR Spectroscopy of Perfused Tumor Cells. <i>Journal of Biological Chemistry</i> , 2016 , 291, 5157-71	5.4	18
85	Untargeted metabolomics from biological sources using ultraperformance liquid chromatography-high resolution mass spectrometry (UPLC-HRMS). <i>Journal of Visualized Experiments</i> , 2013 , e50433	1.6	18
84	5-Lipoxygenase-mediated endogenous DNA damage. <i>Journal of Biological Chemistry</i> , 2009 , 284, 16799-16807	1.4	18
83	LC/ESI/MS analysis of saturated and unsaturated fatty acids in rat intestinal epithelial cells. <i>Current Drug Metabolism</i> , 2006 , 7, 929-37	3.5	18
82	Associations between improvement in genitourinary symptoms of menopause and changes in the vaginal ecosystem. <i>Menopause</i> , 2018 , 25, 500-507	2.5	18
81	Opportunities and Challenges for Environmental Exposure Assessment in Population-Based Studies. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2017 , 26, 1370-1380	4	17
80	Rotenone-mediated changes in intracellular coenzyme A thioester levels: implications for mitochondrial dysfunction. <i>Chemical Research in Toxicology</i> , 2011 , 24, 1630-2	4	17
79	Analytical Methods for Mass Spectrometry-Based Metabolomics Studies. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1140, 635-647	3.6	16
78	Human platelets as a platform to monitor metabolic biomarkers using stable isotopes and LC-MS. <i>Bioanalysis</i> , 2013 , 5, 3009-21	2.1	16
77	Translational metabolomics in cancer research. <i>Biomarkers in Medicine</i> , 2015 , 9, 821-34	2.3	15
76	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	2.8	15
75	Heme Binding Biguanides Target Cytochrome P450-Dependent Cancer Cell Mitochondria. <i>Cell Chemical Biology</i> , 2017 , 24, 1259-1275.e6	8.2	15

74	Upregulation of Antioxidant Capacity and Nucleotide Precursor Availability Suffices for Oncogenic Transformation. <i>Cell Metabolism</i> , 2021 , 33, 94-109.e8	24.6	15
73	Bioanalytical techniques for detecting biomarkers of response to human asbestos exposure. <i>Bioanalysis</i> , 2015 , 7, 1157-73	2.1	14
72	Mass spectrometry-based approaches to targeted quantitative proteomics in cardiovascular disease. <i>Clinical Proteomics</i> , 2016 , 13, 20	5	14
71	Biosynthesis and actions of 5-oxoeicosatetraenoic acid (5-oxo-ETE) on feline granulocytes. <i>Biochemical Pharmacology</i> , 2015 , 96, 247-55	6	13
70	Maternal serum serpin B7 is associated with early spontaneous preterm birth. <i>American Journal of Obstetrics and Gynecology</i> , 2014 , 211, 678.e1-12	6.4	13
69	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, 142-50	6.3	13
68	Direct resolution of epoxyeicosatrienoic acid enantiomers by chiral-phase high-performance liquid chromatography. <i>Biomedical Applications</i> , 1994 , 657, 23-9		13
67	SYNTHESES OF ADDUCTS OF ACTIVE METABOLITES OF CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS WITH 2'-DEOXYRIBONUCLEOSIDES. <i>Polycyclic Aromatic Compounds</i> , 2005 , 25, 371-391 ¹⁻³		12
66	Analysis of anticancer drugs and their metabolites by mass spectrometry. <i>Current Drug Metabolism</i> , 2002 , 3, 463-80	3.5	12
65	A rapid and sensitive method for the quantification of ganciclovir in plasma using liquid chromatography/selected reaction monitoring/mass spectrometry. <i>Biomedical Chromatography</i> , 2000 , 14, 93-8	1.7	12
64	The current state of biomarker research for Friedreich's ataxia: a report from the 2018 FARA biomarker meeting. <i>Future Science OA</i> , 2019 , 5, FSO398	2.7	10
63	Quantitative analysis of cimetidine in human plasma using LC/APCI/SRM/MS. <i>Biomedical Chromatography</i> , 1999 , 13, 455-61	1.7	10
62	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	7.8	10
61	Rotenone Stereospecifically Increases (S)-2-Hydroxyglutarate in SH-SY5Y Neuronal Cells. <i>Chemical Research in Toxicology</i> , 2015 , 28, 948-54	4	9
60	Cellular uptake and antiproliferative effects of 11-oxo-eicosatetraenoic acid. <i>Journal of Lipid Research</i> , 2013 , 54, 3070-7	6.3	9
59	A 4-oxo-2(E)-nonenal-derived glutathione adduct from 15-lipoxygenase-1-mediated oxidation of cytosolic and esterified arachidonic acid. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 953-61	7.8	9
58	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	6.4	9
57	Impact of route of administration on genotoxic oestrogens concentrations using oral vs transdermal oestradiol in girls with Turner syndrome. <i>Clinical Endocrinology</i> , 2019 , 90, 155-161	3.4	9

56	Effect of a tissue selective estrogen complex on breast cancer: Role of unique properties of conjugated equine estrogen. <i>International Journal of Cancer</i> , 2018 , 143, 1259-1268	7.5	8
55	Testicular vs adrenal sources of hydroxy-androgens in prostate cancer. <i>Endocrine-Related Cancer</i> , 2017 , 24, 393-404	5.7	8
54	Synthesis of deuterium-labeled analogs of the lipid hydroperoxide-derived bifunctional electrophile 4-oxo-2()-nonenal. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2011 , 54, 247-251	1.9	8
53	Low apolipoprotein A-I levels in Friedreich's ataxia and in frataxin-deficient cells: Implications for therapy. <i>PLoS ONE</i> , 2018 , 13, e0192779	3.7	8
52	Convenient and efficient syntheses of 4-hydroxy-2(E)-nonenal and 4-oxo-2(E)-nonenal. <i>Lipids</i> , 2006 , 41, 877-80	1.6	7
51	Metabolic Detection of Bruton's Tyrosine Kinase Inhibition in Mantle Cell Lymphoma Cells. <i>Molecular Cancer Research</i> , 2019 , 17, 1365-1377	6.6	6
50	Voriconazole enhances UV-induced DNA damage by inhibiting catalase and promoting oxidative stress. <i>Experimental Dermatology</i> , 2020 , 29, 29-38	4	6
49	Autophagy mitigates ethanol-induced mitochondrial dysfunction and oxidative stress in esophageal keratinocytes. <i>PLoS ONE</i> , 2020 , 15, e0239625	3.7	6
48	Potential Metabolic Activation of a Representative C2-Alkylated Polycyclic Aromatic Hydrocarbon 6-Ethylchrysene Associated with the Deepwater Horizon Oil Spill in Human Hepatoma (HepG2) Cells. <i>Chemical Research in Toxicology</i> , 2016 , 29, 991-1002	4	6
47	The proteome and its dynamics: A missing piece for integrative multi-omics in schizophrenia. <i>Schizophrenia Research</i> , 2020 , 217, 148-161	3.6	6
46	Effects of systemic inflammation on relapse in early breast cancer. <i>Npj Breast Cancer</i> , 2021 , 7, 7	7.8	6
45	Using biochemistry and biophysics to extinguish androgen receptor signaling in prostate cancer. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100240	5.4	6
44	In Vitro Biotransformation of the Nrf2 Activator Bardoxolone: Formation of an Epoxide Metabolite That Undergoes Two Novel Glutathione-Mediated Metabolic Pathways: Epoxide Reduction and Oxidative Elimination of Nitrile Moiety. <i>Chemical Research in Toxicology</i> , 2019 , 32, 2268-2280	4	5
43	Determination of [(13)C]galactose enrichment in human plasma by gas chromatography/positive chemical ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2000 , 35, 218-23	2.2	5
42	Extra-mitochondrial mouse frataxin and its implications for mouse models of Friedreich's ataxia. <i>Scientific Reports</i> , 2020 , 10, 15788	4.9	5
41	Cholesterol Auxotrophy as a Targetable Vulnerability in Clear Cell Renal Cell Carcinoma. <i>Cancer Discovery</i> , 2021 ,	24.4	5
40	Methotrexate modulates folate phenotype and inflammatory profile in EA.hy 926 cells. <i>European Journal of Pharmacology</i> , 2014 , 732, 60-7	5.3	4
39	Quantitative determination of SC-68328 in dog plasma using flow injection and tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2000 , 35, 354-60	2.2	4

38	Defining Metabolic and Nonmetabolic Regulation of Histone Acetylation by NSAID Chemotypes. <i>Molecular Pharmaceutics</i> , 2018 , 15, 729-736	5.6	4
37	LC-MS Analysis of Human Platelets as a Platform for Studying Mitochondrial Metabolism. <i>Journal of Visualized Experiments</i> , 2016 , e53941	1.6	3
36	Lipid PeroxideDNA Adducts 2011 , 227-244		3
35	Role of Human Aldo-Keto Reductases in the Metabolic Activation of the Carcinogenic Air Pollutant 3-Nitrobenzanthrone. <i>Chemical Research in Toxicology</i> , 2018 , 31, 1277-1288	4	3
34	Evaluation of antibodies for western blot analysis of frataxin protein isoforms. <i>Journal of Immunological Methods</i> , 2019 , 474, 112629	2.5	2
33	Metabolic tracing analysis reveals substrate-specific metabolic deficits in platelet storage lesion. <i>Transfusion</i> , 2017 , 57, 2683-2689	2.9	2
32	On meta- and mega-analyses for gene-environment interactions. <i>Genetic Epidemiology</i> , 2017 , 41, 876-886	6.6	2
31	Pretreatment Red Blood Cell Total Folate Concentration Is Associated With Response to Pemetrexed in Stage IV Nonsquamous Non-Small-cell Lung Cancer. <i>Clinical Lung Cancer</i> , 2017 , 18, e143-e149	4.9	2
30	Mass spectrometry in pharmaceutical analysis 1 *. <i>Journal of Liposome Research</i> , 2001 , 11, 309-42	6.1	2
29	Glutamine deprivation triggers NAGK-dependent hexosamine salvage. <i>ELife</i> , 2021 , 10,	8.9	2
28	Glutamine deprivation triggers NAGK-dependent hexosamine salvage		2
27	Efficient Labeling of Native Human IgG by Proximity-Based Sortase-Mediated Isopeptide Ligation. <i>Bioconjugate Chemistry</i> , 2021 , 32, 1058-1066	6.3	2
26	Effect of Differences in Metabolic Activity of Melanoma Models on Response to Lonidamine plus Doxorubicin. <i>Scientific Reports</i> , 2018 , 8, 14654	4.9	2
25	Comparison of statistical methods for detection of serum lipid biomarkers for mesothelioma and asbestos exposure. <i>Biomarkers in Medicine</i> , 2017 , 11, 547-556	2.3	1
24	Targeted Lipid Biomarker Quantitation Using Liquid ChromatographyMass Spectrometry (LCMS) 2017 , 273-287		1
23	A dynamic career in MS: applications to biomedical research. <i>Future Science OA</i> , 2015 , 1, FSO52	2.7	1
22	Direct Biofluid Analysis Systems 2012 , 1		1
21	Analysis of Etheno 2SDeoxyguanosine Adducts as Dosimeters of Aldo-Keto Reductase Mediated-Oxidative Stress. <i>ACS Symposium Series</i> , 2003 , 139-152	0.4	1

20	Aldo-Keto Reductases and the Metabolic Activation of Polycyclic Aromatic Hydrocarbons. <i>ACS Symposium Series</i> , 2003 , 83-100	0.4	1
19	Chemistry of Polycyclic Aromatic Hydrocarbons (PAH) o-Quinones Generated by the Aldo-Keto Reductase Pathway of PAH Activation. <i>ACS Symposium Series</i> , 2003 , 127-137	0.4	1
18	The Aldo-Keto Reductases and Polycyclic Aromatic Hydrocarbon Activation. <i>Polycyclic Aromatic Compounds</i> , 2002 , 22, 791-800	1.3	1
17	The Aldo-Keto Reductases and Polycyclic Aromatic Hydrocarbon Activation		1
16	Dietary Flaxseed in Non-Small Cell Lung Cancer Patients Receiving Chemoradiation. <i>Journal of Pulmonary & Respiratory Medicine</i> , 2013 , 3, 154	0	1
15	Reverse Phase Protein Array Reveals Correlation of Retinoic Acid Metabolism With Cardiomyopathy in Friedreich's Ataxia. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100094	7.6	1
14	DNA methylation in Friedreich ataxia silences expression of frataxin isoform E.. <i>Scientific Reports</i> , 2022 , 12, 5031	4.9	1
13	Simultaneous Quantification of Mitochondrial Mature Frataxin and Extra-Mitochondrial Frataxin Isoform E in Friedreich's Ataxia Blood.. <i>Frontiers in Neuroscience</i> , 2022 , 16, 874768	5.1	1
12	Impaired Redox and Protein Homeostasis as Risk Factors and Therapeutic Targets in Toxin-Induced Biliary Atresia. <i>Gastroenterology</i> , 2020 , 159, 1068-1084.e2	13.3	0
11	Primary saturation of β , γ unsaturated carbonyl containing fatty acids does not abolish electrophilicity. <i>Chemico-Biological Interactions</i> , 2021 , 350, 109689	5	0
10	Coenzyme A thioester formation of 11- and 15-oxo-eicosatetraenoic acid. <i>Prostaglandins and Other Lipid Mediators</i> , 2017 , 130, 1-7	3.7	
9	Oncology bioanalysis: from biomarkers to drug discovery. <i>Biomarkers in Medicine</i> , 2015 , 9, 819-20	2.3	
8	Theory and Instrumentation of Mass Spectrometry and its Application to Drug Metabolism 2014 , 1-25		
7	Comparison Between LC-MS and Ligand-Binding Assay Approaches for Biomarker Quantification 2017 , 65-78		
6	Mass Spectrometry in the Analysis of DNA, Protein, Peptide, and Lipid Biomarkers of Oxidative Stress 2011 , 645-683		
5	Synthesis of the stable isotope labeled antiviral nucleoside analog [8- ¹³ C ₇ ,9- ¹⁵ N ₂]-ganciclovir. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2006 , 49, 1131-1139	1.9	
4	Human AKR1C Isoforms Oxidize the Potent Proximate Carcinogen 7,12-DMBA-3,4-diol in the Human Lung A549 Carcinoma Cell Line. <i>Polycyclic Aromatic Compounds</i> , 2002 , 22, 801-810	1.3	
3	Bioanalysis supporting disease biomarker discovery and validation 2014 , 162-181		

2 Biomarkers of Response to Asbestos Exposure. *Current Cancer Research*, **2017**, 259-277 0.2

1 A Tribute to Hiroshi Miyazaki and His Innovative Research on the Chromatographic Separation of Biologically Important Substances. *Journal of the Mass Spectrometry Society of Japan*, **2009**, 57, 58-59 0.2