

Ginger Lohr Milne

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9043562/ginger-lohr-milne-publications-by-citations.pdf>

Version: 2024-04-27

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.

226
papers

8,461
citations

51
h-index

79
g-index

250
ext. papers

9,772
ext. citations

5.7
avg, IF

5.82
L-index

#	Paper	IF	Citations
226	Quantification of F2-isoprostanes as a biomarker of oxidative stress. <i>Nature Protocols</i> , 2007 , 2, 221-6	18.8	259
225	15-Hydroxyprostaglandin dehydrogenase is down-regulated in colorectal cancer. <i>Journal of Biological Chemistry</i> , 2005 , 280, 3217-23	5.4	219
224	Role of inflammation and oxidative stress in atrial fibrillation. <i>Heart Rhythm</i> , 2010 , 7, 438-44	6.7	213
223	Isoprostane generation and function. <i>Chemical Reviews</i> , 2011 , 111, 5973-96	68.1	212
222	F2-isoprostanes as markers of oxidative stress in vivo: an overview. <i>Biomarkers</i> , 2005 , 10 Suppl 1, S10-23	2.6	211
221	The isoprostanes--25 years later. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015 , 1851, 433-45	5	207
220	Cysteinyl leukotriene overproduction in aspirin-exacerbated respiratory disease is driven by platelet-adherent leukocytes. <i>Blood</i> , 2012 , 119, 3790-8	2.2	171
219	Oxidative stress and matrix metalloproteinase-9 in acute ischemic stroke: the Biomarker Evaluation for Antioxidant Therapies in Stroke (BEAT-Stroke) study. <i>Stroke</i> , 2008 , 39, 100-4	6.7	169
218	TISSUE REGENERATION. Inhibition of the prostaglandin-degrading enzyme 15-PGDH potentiates tissue regeneration. <i>Science</i> , 2015 , 348, aaa2340	33.3	166
217	Human biochemistry of the isoprostane pathway. <i>Journal of Biological Chemistry</i> , 2008 , 283, 15533-7	5.4	146
216	Quantification of F2-isoprostanes in biological fluids and tissues as a measure of oxidant stress. <i>Methods in Enzymology</i> , 2007 , 433, 113-26	1.7	132
215	Interaction of electrophilic lipid oxidation products with mitochondria in endothelial cells and formation of reactive oxygen species. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 290, H1777-87	5.2	115
214	Differential stem- and progenitor-cell trafficking by prostaglandin E2. <i>Nature</i> , 2013 , 495, 365-9	50.4	109
213	Electrophilic cyclopentenone neuroprostanes are anti-inflammatory mediators formed from the peroxidation of the omega-3 polyunsaturated fatty acid docosahexaenoic acid. <i>Journal of Biological Chemistry</i> , 2008 , 283, 19927-35	5.4	105
212	Formation of F-ring isoprostane-like compounds (F3-isoprostanes) in vivo from eicosapentaenoic acid. <i>Journal of Biological Chemistry</i> , 2006 , 281, 14092-9	5.4	104
211	N-acetylcysteine targets 5 lipoxygenase-derived, toxic lipids and can synergize with prostaglandin E to inhibit ferroptosis and improve outcomes following hemorrhagic stroke in mice. <i>Annals of Neurology</i> , 2018 , 84, 854-872	9.4	103
210	A phase I trial to determine the optimal biological dose of celecoxib when combined with erlotinib in advanced non-small cell lung cancer. <i>Clinical Cancer Research</i> , 2006 , 12, 3381-8	12.9	101

209	Recent advances in the biochemistry and clinical relevance of the isoprostane pathway. <i>Lipids</i> , 2005 , 40, 987-94	1.6	95
208	Inherited human cPLA(2alpha) deficiency is associated with impaired eicosanoid biosynthesis, small intestinal ulceration, and platelet dysfunction. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2121-31	15.9	95
207	Levels of prostaglandin E metabolite and leukotriene E(4) are increased in the urine of smokers: evidence that celecoxib shunts arachidonic acid into the 5-lipoxygenase pathway. <i>Cancer Prevention Research</i> , 2009 , 2, 322-9	3.2	93
206	Measurement of F2- isoprostanes and isofurans using gas chromatography-mass spectrometry. <i>Free Radical Biology and Medicine</i> , 2013 , 59, 36-44	7.8	91
205	IGF-1 deficiency impairs neurovascular coupling in mice: implications for cerebrovascular aging. <i>Aging Cell</i> , 2015 , 14, 1034-44	9.9	90
204	Effect of blueberry ingestion on natural killer cell counts, oxidative stress, and inflammation prior to and after 2.5 h of running. <i>Applied Physiology, Nutrition and Metabolism</i> , 2011 , 36, 976-84	3	90
203	Cyclooxygenase-1, not cyclooxygenase-2, is responsible for physiological production of prostacyclin in the cardiovascular system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 17597-602	11.5	87
202	The effect of vitamins C and E on biomarkers of oxidative stress depends on baseline level. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 377-84	7.8	86
201	Oxidative stress, obesity, and breast cancer risk: results from the Shanghai Women's Health Study. <i>Journal of Clinical Oncology</i> , 2009 , 27, 2482-8	2.2	83
200	Isoprostanes. <i>Journal of Lipid Research</i> , 2009 , 50 Suppl, S219-23	6.3	82
199	Trans-4-hydroxy-2-hexenal is a neurotoxic product of docosahexaenoic (22:6; n-3) acid oxidation. <i>Journal of Neurochemistry</i> , 2008 , 105, 714-24	6	82
198	Energy expenditure, inflammation, and oxidative stress in steady-state adolescents with sickle cell anemia. <i>Pediatric Research</i> , 2007 , 61, 233-8	3.2	80
197	Cyclopentenone isoprostanes inhibit the inflammatory response in macrophages. <i>Journal of Biological Chemistry</i> , 2005 , 280, 35562-70	5.4	79
196	Cigarette smoke induces oxidative stress and apoptosis in normal term fetal membranes. <i>Placenta</i> , 2011 , 32, 317-22	3.4	78
195	Mitochondria-targeted cytochrome P450 2E1 induces oxidative damage and augments alcohol-mediated oxidative stress. <i>Journal of Biological Chemistry</i> , 2010 , 285, 24609-19	5.4	78
194	Oxidative stress measured by urine F2-isoprostane level is associated with prostate cancer. <i>Journal of Urology</i> , 2011 , 185, 2102-7	2.5	73
193	Formation of highly reactive A-ring and J-ring isoprostane-like compounds (A4/J4-neuroprostanes) in vivo from docosahexaenoic acid. <i>Journal of Biological Chemistry</i> , 2002 , 277, 36076-84	5.4	71
192	Cyclopentenone isoprostanes are novel bioactive products of lipid oxidation which enhance neurodegeneration. <i>Journal of Neurochemistry</i> , 2006 , 97, 1301-13	6	70

191	Azithromycin Causes a Novel Proarrhythmic Syndrome. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017 , 10,	6.4	66
190	Chronic quercetin ingestion and exercise-induced oxidative damage and inflammation. <i>Applied Physiology, Nutrition and Metabolism</i> , 2008 , 33, 254-62	3	66
189	Oxidative stress in systemic lupus erythematosus: relationship to disease activity and symptoms. <i>Lupus</i> , 2007 , 16, 195-200	2.6	66
188	Formation of prostaglandins E2 and D2 via the isoprostane pathway: a mechanism for the generation of bioactive prostaglandins independent of cyclooxygenase. <i>Journal of Biological Chemistry</i> , 2003 , 278, 28479-89	5.4	66
187	Formation of highly reactive cyclopentenone isoprostane compounds (A3/J3-isoprostanes) in vivo from eicosapentaenoic acid. <i>Journal of Biological Chemistry</i> , 2008 , 283, 12043-55	5.4	63
186	Increased levels of urinary PGE-M, a biomarker of inflammation, occur in association with obesity, aging, and lung metastases in patients with breast cancer. <i>Cancer Prevention Research</i> , 2013 , 6, 428-36	3.2	60
185	Development of oxidative stress by cytochrome P450 induction in rodents is selective for barbiturates and related to loss of pyridine nucleotide-dependent protective systems. <i>Journal of Biological Chemistry</i> , 2008 , 283, 17147-57	5.4	60
184	Cyclosporine A suppresses keratinocyte cell death through MPTP inhibition in a model for skin cancer in organ transplant recipients. <i>Mitochondrion</i> , 2010 , 10, 94-101	4.9	56
183	Major metabolite of F2-isoprostane in urine may be a more sensitive biomarker of oxidative stress than isoprostane itself. <i>American Journal of Clinical Nutrition</i> , 2012 , 96, 405-14	7	56
182	Cyclooxygenase inhibition targets neurons to prevent early behavioural decline in Alzheimer β disease model mice. <i>Brain</i> , 2016 , 139, 2063-81	11.2	56
181	Efficacy of paracetamol on patent ductus arteriosus closure may be dose dependent: evidence from human and murine studies. <i>Pediatric Research</i> , 2014 , 76, 238-44	3.2	54
180	Drugs Used in the Treatment of Rheumatoid Arthritis: Relationship between Current Use and Cardiovascular Risk Factors. <i>Archives of Drug Information</i> , 2009 , 2, 34-40		54
179	Separation and identification of phospholipid peroxidation products. <i>Lipids</i> , 2001 , 36, 1265-75	1.6	53
178	Prostaglandins are essential for cervical ripening in LPS-mediated preterm birth but not term or antiprogestin-driven preterm ripening. <i>Endocrinology</i> , 2014 , 155, 287-98	4.8	51
177	Amniotic fluid eicosanoids in preterm and term births: effects of risk factors for spontaneous preterm labor. <i>Obstetrics and Gynecology</i> , 2011 , 118, 121-134	4.9	51
176	Increased dietary NaCl induces renal medullary PGE2 production and natriuresis via the EP2 receptor. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F818-25	4.3	51
175	Phthalates and Phthalate Alternatives Have Diverse Associations with Oxidative Stress and Inflammation in Pregnant Women. <i>Environmental Science & Technology</i> , 2019 , 53, 3258-3267	10.3	49
174	Cyclopentenone eicosanoids as mediators of neurodegeneration: a pathogenic mechanism of oxidative stress-mediated and cyclooxygenase-mediated neurotoxicity. <i>Brain Pathology</i> , 2005 , 15, 149-58	6	49

173	Phase III Randomized, Placebo-Controlled, Double-Blind Trial of Celecoxib in Addition to Standard Chemotherapy for Advanced Non-Small-Cell Lung Cancer With Cyclooxygenase-2 Overexpression: CALGB 30801 (Alliance). <i>Journal of Clinical Oncology</i> , 2017 , 35, 2184-2192	2.2	48
172	Randomized trial of glucosamine and chondroitin supplementation on inflammation and oxidative stress biomarkers and plasma proteomics profiles in healthy humans. <i>PLoS ONE</i> , 2015 , 10, e0117534	3.7	48
171	Prostaglandin E2 deficiency uncovers a dominant role for thromboxane A2 in house dust mite-induced allergic pulmonary inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12692-7	11.5	47
170	Deuterated polyunsaturated fatty acids reduce brain lipid peroxidation and hippocampal amyloid Epeptide levels, without discernable behavioral effects in an APP/PS1 mutant transgenic mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018 , 66, 165-176	5.6	45
169	Oxidation products from omega-3 and omega-6 fatty acids during a simulated shelf life of edible oils. <i>LWT - Food Science and Technology</i> , 2019 , 101, 113-122	5.4	45
168	Urinary prostaglandin E2 metabolite and gastric cancer risk in the Shanghai women's health study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009 , 18, 3075-8	4	44
167	Postmenopausal breast cancer and oestrogen associations with the IgA-coated and IgA-noncoated faecal microbiota. <i>British Journal of Cancer</i> , 2018 , 118, 471-479	8.7	43
166	Dietary intake of PUFAs and colorectal polyp risk. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 703-127		43
165	In vivo oxidative damage in rats is associated with barbiturate response but not other cytochrome P450 inducers. <i>Molecular Pharmacology</i> , 2007 , 72, 1419-24	4.3	43
164	Intraoperative cerebral oxygenation, oxidative injury, and delirium following cardiac surgery. <i>Free Radical Biology and Medicine</i> , 2017 , 103, 192-198	7.8	42
163	Effect of omega-three polyunsaturated fatty acids on inflammation, oxidative stress, and recurrence of atrial fibrillation. <i>American Journal of Cardiology</i> , 2015 , 115, 196-201	3	42
162	The PGE2 EP3 Receptor Regulates Diet-Induced Adiposity in Male Mice. <i>Endocrinology</i> , 2016 , 157, 220-324.8		41
161	Isotope-reinforced polyunsaturated fatty acids protect mitochondria from oxidative stress. <i>Free Radical Biology and Medicine</i> , 2015 , 82, 63-72	7.8	41
160	Effects of Rapid Weight Loss on Systemic and Adipose Tissue Inflammation and Metabolism in Obese Postmenopausal Women. <i>Journal of the Endocrine Society</i> , 2017 , 1, 625-637	0.4	40
159	Interaction between oxidative stress and high-density lipoprotein cholesterol is associated with severity of coronary artery calcification in rheumatoid arthritis. <i>Arthritis Care and Research</i> , 2010 , 62, 1473-80	4.7	40
158	Ibuprofen use during extreme exercise: effects on oxidative stress and PGE2. <i>Medicine and Science in Sports and Exercise</i> , 2007 , 39, 1075-9	1.2	40
157	Tolerability and pharmacokinetics of delayed-release dimethyl fumarate administered with and without aspirin in healthy volunteers. <i>Clinical Therapeutics</i> , 2013 , 35, 1582-1594.e9	3.5	39
156	Increased oxidative stress and altered substrate metabolism in obese children. <i>Pediatric Obesity</i> , 2010 , 5, 436-44		38

155	The cyclopentenone product of lipid peroxidation, 15-A2t-isoprostane, is efficiently metabolized by HepG2 cells via conjugation with glutathione. <i>Chemical Research in Toxicology</i> , 2004 , 17, 17-25	4	38
154	Urinary prostaglandin E2 metabolite and risk for colorectal adenoma. <i>Cancer Prevention Research</i> , 2012 , 5, 336-42	3.2	37
153	Hypertrophic osteoarthropathy pathogenesis: a case highlighting the potential role for cyclo-oxygenase-2-derived prostaglandin E2. <i>Nature Clinical Practice Rheumatology</i> , 2006 , 2, 452-6; quiz following 456		37
152	The cyclopentenone (A2/J2) isoprostanes--unique, highly reactive products of arachidonate peroxidation. <i>Antioxidants and Redox Signaling</i> , 2005 , 7, 210-20	8.4	37
151	Cruciferous vegetable intake is inversely correlated with circulating levels of proinflammatory markers in women. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2014 , 114, 700-8.e2	3.9	36
150	Natural-source d- α -tocopheryl acetate inhibits oxidant stress and modulates atopic asthma in humans in vivo. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2012 , 67, 676-82	9.3	36
149	Association between urinary prostaglandin E2 metabolite and breast cancer risk: a prospective, case-cohort study of postmenopausal women. <i>Cancer Prevention Research</i> , 2013 , 6, 511-8	3.2	36
148	Intra-person variation of urinary biomarkers of oxidative stress and inflammation. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010 , 19, 947-52	4	36
147	A metabolomic analysis of omega-3 fatty acid-mediated attenuation of western diet-induced nonalcoholic steatohepatitis in LDLR ^{-/-} mice. <i>PLoS ONE</i> , 2013 , 8, e83756	3.7	36
146	The effect of HIV and HPV coinfection on cervical COX-2 expression and systemic prostaglandin E2 levels. <i>Cancer Prevention Research</i> , 2012 , 5, 34-40	3.2	35
145	Plasma biomarkers of oxidative stress and genetic variants in age-related macular degeneration. <i>American Journal of Ophthalmology</i> , 2012 , 153, 460-467.e1	4.9	35
144	Human cytochrome P450 2E1 mutations that alter mitochondrial targeting efficiency and susceptibility to ethanol-induced toxicity in cellular models. <i>Journal of Biological Chemistry</i> , 2013 , 288, 12627-44	5.4	35
143	Identification of intact oxidation products of glycerophospholipids in vitro and in vivo using negative ion electrospray iontrap mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2009 , 44, 672-80	2.2	35
142	Menhaden oil decreases high-fat diet-induced markers of hepatic damage, steatosis, inflammation, and fibrosis in obese Ldlr ^{-/-} mice. <i>Journal of Nutrition</i> , 2012 , 142, 1495-503	4.1	35
141	COX-2-PGE Signaling Impairs Intestinal Epithelial Regeneration and Associates with TNF Inhibitor Responsiveness in Ulcerative Colitis. <i>EBioMedicine</i> , 2018 , 36, 497-507	8.8	34
140	Oxidative stress in fibromyalgia and its relationship to symptoms. <i>Clinical Rheumatology</i> , 2009 , 28, 435-8; 9	3.9	33
139	Urinary PGE-M levels are associated with risk of colorectal adenomas and chemopreventive response to anti-inflammatory drugs. <i>Cancer Prevention Research</i> , 2014 , 7, 758-65	3.2	32
138	Altered inflammatory, oxidative, and metabolic responses to exercise in pediatric obesity and type 1 diabetes. <i>Pediatric Diabetes</i> , 2011 , 12, 464-72	3.6	32

137	Isoprostanes and related compounds: update 2006. <i>Antioxidants and Redox Signaling</i> , 2006 , 8, 1379-84	8.4	32
136	Factors Associated with Multiple Biomarkers of Systemic Inflammation. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2016 , 25, 521-31	4	31
135	ASpirin Intervention for the REDuction of colorectal cancer risk (ASPIRED): a study protocol for a randomized controlled trial. <i>Trials</i> , 2017 , 18, 50	2.8	30
134	Associations between glucosamine and chondroitin supplement use and biomarkers of systemic inflammation. <i>Journal of Alternative and Complementary Medicine</i> , 2014 , 20, 479-85	2.4	30
133	Oxidative Stress Biomarkers and Incidence of Postoperative Atrial Fibrillation in the Omega-3 Fatty Acids for Prevention of Postoperative Atrial Fibrillation (OPERA) Trial. <i>Journal of the American Heart Association</i> , 2015 , 4,	6	30
132	Arg287Gln variant of EPHX2 and epoxyeicosatrienoic acids are associated with insulin sensitivity in humans. <i>Prostaglandins and Other Lipid Mediators</i> , 2014 , 113-115, 38-44	3.7	29
131	Essential role of the redox-sensitive kinase p66shc in determining energetic and oxidative status and cell fate in neuronal preconditioning. <i>Journal of Neuroscience</i> , 2010 , 30, 5242-52	6.6	29
130	Neurotoxic lipid peroxidation species formed by ischemic stroke increase injury. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 1422-31	7.8	29
129	Obesity, age, and oxidative stress in middle-aged and older women. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 2453-60	8.4	29
128	Three-dimensional culture system identifies a new mode of cetuximab resistance and disease-relevant genes in colorectal cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2852-E2861	11.5	28
127	Dietary Arginine Regulates Severity of Experimental Colitis and Affects the Colonic Microbiome. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 66	5.9	28
126	Inhibition of the Biosynthesis of Prostaglandin E2 By Low-Dose Aspirin: Implications for Adenocarcinoma Metastasis. <i>Cancer Prevention Research</i> , 2016 , 9, 855-865	3.2	28
125	Deuterium-reinforced polyunsaturated fatty acids improve cognition in a mouse model of sporadic Alzheimer's disease. <i>FEBS Journal</i> , 2017 , 284, 4083-4095	5.7	27
124	Defining risk factors and presentations of allergic reactions to platelet transfusion. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 1772-5.e9	11.5	27
123	Randomized phase 2 trial of erlotinib in combination with high-dose celecoxib or placebo in patients with advanced non-small cell lung cancer. <i>Cancer</i> , 2015 , 121, 3298-306	6.4	27
122	Inactivating mutation in the prostaglandin transporter gene, SLCO2A1, associated with familial digital clubbing, colon neoplasia, and NSAID resistance. <i>Cancer Prevention Research</i> , 2014 , 7, 805-12	3.2	27
121	Association between prenatal psychological stress and oxidative stress during pregnancy. <i>Paediatric and Perinatal Epidemiology</i> , 2018 , 32, 318-326	2.7	26
120	Networks of enzymatically oxidized membrane lipids support calcium-dependent coagulation factor binding to maintain hemostasis. <i>Science Signaling</i> , 2017 , 10,	8.8	26

119	Elevated D-dimer is independently associated with endothelial dysfunction: a cross-sectional study in HIV-infected adults on antiretroviral therapy. <i>Antiviral Therapy</i> , 2012 , 17, 1345-9	1.6	26
118	Aspirin has little additional anti-platelet effect in healthy volunteers receiving prasugrel. <i>Journal of Thrombosis and Haemostasis</i> , 2011 , 9, 2050-6	15.4	25
117	Nonenzymatic free radical-catalyzed generation of 15-deoxy- $\Delta^{12,14}$ -prostaglandin J-like compounds (deoxy-J β -isoprostanes) in vivo. <i>Journal of Lipid Research</i> , 2011 , 52, 113-24	6.3	25
116	Aspirin therapy and thromboxane biosynthesis in systemic lupus erythematosus. <i>Lupus</i> , 2007 , 16, 981-6	2.6	25
115	Exposure to Static Magnetic and Electric Fields Treats Type 2 Diabetes. <i>Cell Metabolism</i> , 2020 , 32, 561-574.e7	24.67	25
114	Lipid profiling of polarized human monocyte-derived macrophages. <i>Prostaglandins and Other Lipid Mediators</i> , 2016 , 127, 1-8	3.7	24
113	The fatty acid oxidation product 15-A β -isoprostane is a potent inhibitor of NF κ B transcription and macrophage transformation. <i>Journal of Neurochemistry</i> , 2011 , 119, 604-16	6	24
112	S1P/S1P2 signaling induces cyclooxygenase-2 expression in Wilms tumor. <i>Journal of Urology</i> , 2009 , 181, 1347-52	2.5	24
111	Cyclopentenone prostaglandin, 15-deoxy- $\Delta^{12,14}$ -PGJ ₂ , is metabolized by HepG2 cells via conjugation with glutathione. <i>Chemical Research in Toxicology</i> , 2007 , 20, 1528-35	4	24
110	Deuterium-reinforced polyunsaturated fatty acids protect against atherosclerosis by lowering lipid peroxidation and hypercholesterolemia. <i>Atherosclerosis</i> , 2017 , 264, 100-107	3.1	23
109	Pharmacodynamics and pharmacokinetics of AM103, a novel inhibitor of 5-lipoxygenase-activating protein (FLAP). <i>Clinical Pharmacology and Therapeutics</i> , 2010 , 87, 437-44	6.1	23
108	Two pathways for cyclooxygenase-2 protein degradation in vivo. <i>Journal of Biological Chemistry</i> , 2009 , 284, 30742-53	5.4	23
107	Identification and analysis of products formed from phospholipids in the free radical oxidation of human low density lipoproteins. <i>Journal of Lipid Research</i> , 2005 , 46, 307-19	6.3	23
106	Deuterium-reinforced linoleic acid lowers lipid peroxidation and mitigates cognitive impairment in the Q140 knock in mouse model of Huntington's disease. <i>FEBS Journal</i> , 2018 , 285, 3002-3012	5.7	22
105	A randomized, placebo-controlled, multicenter, biomarker-selected, phase 2 study of apricoxib in combination with erlotinib in patients with advanced non-small-cell lung cancer. <i>Journal of Thoracic Oncology</i> , 2014 , 9, 577-82	8.9	22
104	Phase Ib Randomized, Double-Blinded, Placebo-Controlled, Dose Escalation Study of Polyphenon E in Patients with Barrett's Esophagus. <i>Cancer Prevention Research</i> , 2015 , 8, 1131-7	3.2	21
103	Impact of hematopoietic cyclooxygenase-1 deficiency on obesity-linked adipose tissue inflammation and metabolic disorders in mice. <i>Metabolism: Clinical and Experimental</i> , 2013 , 62, 1673-85	12.7	21
102	Elevated levels of urinary prostaglandin e metabolite indicate a poor prognosis in ever smoker head and neck squamous cell carcinoma patients. <i>Cancer Prevention Research</i> , 2009 , 2, 957-65	3.2	21

101	Inherited human group IVA cytosolic phospholipase A2 deficiency abolishes platelet, endothelial, and leucocyte eicosanoid generation. <i>FASEB Journal</i> , 2015 , 29, 4568-78	0.9	20
100	Determination of the alpha-tocopherol inhibition rate constant for peroxidation in low-density lipoprotein. <i>Chemical Research in Toxicology</i> , 2002 , 15, 870-6	4	20
99	Evaluation of pro-inflammatory markers plasma C-reactive protein and urinary prostaglandin-E2 metabolite in colorectal adenoma risk. <i>Molecular Carcinogenesis</i> , 2016 , 55, 1251-61	5	20
98	Kidney Transplantation in a Patient Lacking Cytosolic Phospholipase A Proves Renal Origins of Urinary PGI-M and TX-M. <i>Circulation Research</i> , 2018 , 122, 555-559	15.7	19
97	Quantification of major urinary metabolites of PGE2 and PGD2 in cystic fibrosis: correlation with disease severity. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2013 , 89, 121-6	2.8	19
96	Biomarker-based phase I dose-escalation, pharmacokinetic, and pharmacodynamic study of oral apricoxib in combination with erlotinib in advanced nonsmall cell lung cancer. <i>Cancer</i> , 2011 , 117, 809-18	6.4	19
95	Urinary oxidative stress biomarkers and accelerated time to spontaneous delivery. <i>Free Radical Biology and Medicine</i> , 2019 , 130, 419-425	7.8	19
94	Preventive effects of NSAIDs, NO-NSAIDs, and NSAIDs plus difluoromethylornithine in a chemically induced urinary bladder cancer model. <i>Cancer Prevention Research</i> , 2014 , 7, 246-54	3.2	18
93	Identification of the major urinary metabolite of the highly reactive cyclopentenone isoprostane 15-A(2t)-isoprostane in vivo. <i>Journal of Biological Chemistry</i> , 2005 , 280, 25178-84	5.4	18
92	2,4 DNP improves motor function, preserves medium spiny neuronal identity, and reduces oxidative stress in a mouse model of Huntington's disease. <i>Experimental Neurology</i> , 2017 , 293, 83-90	5.7	17
91	Comparison of three oxidative stress biomarkers in a sample of healthy adults. <i>Biomarkers</i> , 2009 , 14, 587-95	2.6	17
90	Oxidative stress in relation to diet and physical activity among premenopausal women. <i>British Journal of Nutrition</i> , 2016 , 116, 1416-1424	3.6	17
89	Urinary metabolites of prostanoids and risk of recurrent colorectal adenomas in the Aspirin/Folate Polyp Prevention Study (AFPPS). <i>Cancer Prevention Research</i> , 2015 , 8, 1061-8	3.2	16
88	The short-term effects of antioxidant and zinc supplements on oxidative stress biomarker levels in plasma: a pilot investigation. <i>American Journal of Ophthalmology</i> , 2012 , 153, 1104-9.e2	4.9	16
87	Fish oil and indomethacin in combination potently reduce dyslipidemia and hepatic steatosis in LDLR(-/-) mice. <i>Journal of Lipid Research</i> , 2012 , 53, 2186-2197	6.3	16
86	Characterization of liver injury, oval cell proliferation and cholangiocarcinogenesis in glutathione S-transferase A3 knockout mice. <i>Carcinogenesis</i> , 2017 , 38, 717-727	4.6	15
85	Isoprostane and isofuran lipid mediators accumulate in stored red blood cells and influence platelet function in vitro. <i>Transfusion</i> , 2014 , 54, 1569-79	2.9	15
84	Relationship between total bilirubin and endothelial function, inflammation and oxidative stress in HIV-infected adults on stable antiretroviral therapy. <i>HIV Medicine</i> , 2012 , 13, 609-16	2.7	15

83	Elevated ratio of urinary metabolites of thromboxane and prostacyclin is associated with adverse cardiovascular events in ADAPT. <i>PLoS ONE</i> , 2010 , 5, e9340	3.7	15
82	A Prospective Study of Urinary Prostaglandin E2 Metabolite, Helicobacter pylori Antibodies, and Gastric Cancer Risk. <i>Clinical Infectious Diseases</i> , 2017 , 64, 1380-1386	11.6	14
81	Classifying oxidative stress by F-Isoprostane levels in human disease: The re-imagining of a biomarker. <i>Redox Biology</i> , 2017 , 12, 897-898	11.3	14
80	Uric acid correlates to oxidation and inflammation in opposite directions in women. <i>Biomarkers</i> , 2015 , 20, 225-31	2.6	14
79	Effect of zileuton and celecoxib on urinary LTE4 and PGE-M levels in smokers. <i>Cancer Prevention Research</i> , 2013 , 6, 646-55	3.2	14
78	Nonexercise physical activity and inflammatory and oxidative stress markers in women. <i>Journal of Women's Health</i> , 2014 , 23, 159-67	3	14
77	The enteropathy of prostaglandin deficiency. <i>Journal of Gastroenterology</i> , 2009 , 44 Suppl 19, 1-7	6.9	14
76	Elevated oxidation of docosahexaenoic acid, 22:6 (n-3), in brain regions of rats undergoing ethanol withdrawal. <i>Neuroscience Letters</i> , 2006 , 405, 172-4	3.3	14
75	Cyclooxygenase inhibition abrogates aeroallergen-induced immune tolerance by suppressing prostaglandin I2 receptor signaling. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 134, 698-705.e5	11.5	13
74	Perioperative plasma F(2)-Isoprostane levels correlate with markers of impaired ventilation in infants with single-ventricle physiology undergoing stage 2 surgical palliation on the cardiopulmonary bypass. <i>Pediatric Cardiology</i> , 2012 , 33, 562-8	2.1	13
73	Elevation of prostaglandin E2 in lung cancer patients with digital clubbing. <i>Journal of Thoracic Oncology</i> , 2012 , 7, 1877-1878	8.9	13
72	Oxidant stress in HIV-infected women from the Women's Interagency HIV Study. <i>Antiviral Therapy</i> , 2009 , 14, 763-9	1.6	12
71	Effect of Low-dose and Standard-dose Aspirin on PGE Biosynthesis Among Individuals with Colorectal Adenomas: A Randomized Clinical Trial. <i>Cancer Prevention Research</i> , 2020 , 13, 877-888	3.2	12
70	Increasing F2-isoprostanes in the first month after birth predicts poor respiratory and neurodevelopmental outcomes in very preterm infants. <i>Journal of Perinatology</i> , 2016 , 36, 779-83	3.1	12
69	Association of gain-of-function EPHX2 polymorphism Lys55Arg with acute kidney injury following cardiac surgery. <i>PLoS ONE</i> , 2017 , 12, e0175292	3.7	11
68	Inflammatory heterogeneity in aspirin-exacerbated respiratory disease. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 1318-1328.e5	11.5	11
67	Effects of antenatal betamethasone on preterm human and mouse ductus arteriosus: comparison with baboon data. <i>Pediatric Research</i> , 2018 , 84, 458-465	3.2	11
66	Oxidative Stress and Breast Cancer Risk in Premenopausal Women. <i>Epidemiology</i> , 2017 , 28, 667-674	3.1	10

65	Urinary biomarkers of oxidative stress and breast cancer survival. <i>Cancer Causes and Control</i> , 2014 , 25, 701-7	2.8	10
64	A Patient With Elevated Plasma High Density Lipoprotein (HDL) and Facial Flushing. <i>Journal of Clinical Lipidology</i> , 2017 , 11, 794	4.9	10
63	F2-isoprostanes as a biomarker of oxidative stress in the mouse bladder. <i>Journal of Urology</i> , 2014 , 191, 1597-601	2.5	10
62	Effect of pharmacological lowering of plasma urate on exercise-induced oxidative stress. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007 , 32, 1148-55	3	10
61	Alteration of isocitrate dehydrogenase following acute ischemic injury as a means to improve cellular energetic status in neuroadaptation. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013 , 12, 849-60	2.6	10
60	Naproxen chemoprevention promotes immune activation in Lynch syndrome colorectal mucosa. <i>Gut</i> , 2021 , 70, 555-566	19.2	10
59	Chronic ingestion of H1-antihistamines increase progression of atherosclerosis in apolipoprotein E-/- mice. <i>PLoS ONE</i> , 2014 , 9, e102165	3.7	9
58	Repeated measures of urinary oxidative stress biomarkers and preterm birth in Puerto Rico. <i>Free Radical Biology and Medicine</i> , 2020 , 146, 299-305	7.8	9
57	Bacterial Pathogens Hijack the Innate Immune Response by Activation of the Reverse Transsulfuration Pathway. <i>MBio</i> , 2019 , 10,	7.8	9
56	Maternal Oxidative Stress Biomarkers in Pregnancy and Child Growth from Birth to Age 6. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, 1427-1436	5.6	9
55	Associations between socioeconomic status, psychosocial stress, and urinary levels of 8-iso-prostaglandin-F during pregnancy in Puerto Rico. <i>Free Radical Biology and Medicine</i> , 2019 , 143, 95-100	7.8	8
54	Chronic cyclic bladder over distention up-regulates hypoxia dependent pathways. <i>Journal of Urology</i> , 2013 , 190, 1603-9	2.5	8
53	Higher serum iron is associated with increased oxidant stress in HIV-infected men. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2013 , 64, 367-73	3.1	8
52	Smoking and red blood cell phospholipid membrane fatty acids. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016 , 112, 24-31	2.8	8
51	Erythrocyte and plasma oxidative stress appears to be compensated in patients with sickle cell disease during a period of relative health, despite the presence of known oxidative agents. <i>Free Radical Biology and Medicine</i> , 2019 , 141, 408-415	7.8	7
50	Adiposity and Fat Distribution in relation to Inflammation and Oxidative Stress in a Relatively Lean Population of Chinese Women. <i>Disease Markers</i> , 2013 , 34, 279-293	3.2	7
49	Cardiovascular disease risk factors and oxidative stress among premenopausal women. <i>Free Radical Biology and Medicine</i> , 2018 , 115, 246-251	7.8	7
48	Two Pools of Epoxyeicosatrienoic Acids in Humans: Alterations in Salt-Sensitive Normotensive Subjects. <i>Hypertension</i> , 2018 , 71, 346-355	8.5	6

47	Urinary eicosanoid metabolites in HIV-infected women with central obesity switching to raltegravir: an analysis from the women, integrase, and fat accumulation trial. <i>Mediators of Inflammation</i> , 2014 , 2014, 803095	4.3	6
46	p66(shc) β role as an essential mitophagic molecule in controlling neuronal redox and energetic tone. <i>Autophagy</i> , 2010 , 6, 948-9	10.2	6
45	Adiposity and fat distribution in relation to inflammation and oxidative stress in a relatively lean population of Chinese women. <i>Disease Markers</i> , 2013 , 34, 279-93	3.2	6
44	Changes in Inflammation, Oxidative Stress, Mitochondrial DNA Content after Rosiglitazone in HIV Lipotrophy. <i>Journal of AIDS & Clinical Research</i> , 2012 , 3, 174	1	6
43	Safety, tolerability, and pharmacokinetics of repeated oral doses of 2-hydroxybenzylamine acetate in healthy volunteers: a double-blind, randomized, placebo-controlled clinical trial. <i>BMC Pharmacology & Toxicology</i> , 2020 , 21, 3	2.6	6
42	Effects of fish oil supplementation on eicosanoid production in patients at higher risk for colorectal cancer. <i>European Journal of Cancer Prevention</i> , 2019 , 28, 188-195	2	6
41	Tea consumption and oxidative stress: a cross-sectional analysis of 889 premenopausal women from the Sister Study. <i>British Journal of Nutrition</i> , 2019 , 121, 582-590	3.6	6
40	Identification of a homozygous recessive variant in resulting in a congenital aspirin-like defect in platelet function. <i>Haematologica</i> , 2021 , 106, 1423-1432	6.6	6
39	Timing of solid food introduction is associated with urinary F2-isoprostane concentrations in childhood. <i>Pediatric Research</i> , 2015 , 78, 451-6	3.2	5
38	Dietary Glycemic Index and Glycemic Load Are Positively Associated with Oxidative Stress among Premenopausal Women. <i>Journal of Nutrition</i> , 2018 , 148, 125-130	4.1	5
37	Sex differences in urinary biomarkers of vascular and endothelial function in HIV-infected persons receiving antiretroviral therapy. <i>Antiviral Therapy</i> , 2012 , 17, 485-93	1.6	5
36	Elevated Levels of Urinary PGE-M Are Found in Tobacco Users and Indicate a Poor Prognosis for Oral Squamous Cell Carcinoma Patients. <i>Cancer Prevention Research</i> , 2016 , 9, 428-36	3.2	4
35	F2-Isoprostanes Reflect Oxidative Stress Correlated With Lean Mass and Bone Density but Not Insulin Resistance. <i>Journal of the Endocrine Society</i> , 2017 , 1, 436-448	0.4	4
34	Suboptimal inhibition of platelet cyclooxygenase 1 by aspirin in systemic lupus erythematosus: association with metabolic syndrome. <i>Arthritis Care and Research</i> , 2014 , 66, 285-92	4.7	4
33	NADPH:quinone oxidoreductase 1 regulates host susceptibility to ozone via isoprostane generation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 4681-91	5.4	4
32	Docosahexaenoic Acid Supplementation is Not Anti-Inflammatory in Adipose Tissue of Healthy Obese Postmenopausal Women. <i>International Journal of Nutrition</i> , 2017 , 1, 31-49	2.2	4
31	Urinary prostaglandin E is a biomarker of early adaptive hyperfiltration in solitary functioning kidney. <i>Prostaglandins and Other Lipid Mediators</i> , 2020 , 146, 106403	3.7	4
30	Isotope-reinforced polyunsaturated fatty acids improve Parkinson β disease-like phenotype in rats overexpressing β synuclein. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 220	7.3	4

29	Urinary Thromboxane B2 and Lethal Prostate Cancer in African American Men. <i>Journal of the National Cancer Institute</i> , 2021 ,	9.7	4
28	Implications of urine F2-isoprostane metabolite concentration in horses with colic and its potential use as a predictor for surgical intervention. <i>Equine Veterinary Journal</i> , 2011 , 43, 34-41	2.4	3
27	Omega-3 fatty acid supplement use and oxidative stress levels in pregnancy. <i>PLoS ONE</i> , 2020 , 15, e0240344	3.4	3
26	Associations between urinary biomarkers of oxidative stress in the third trimester of pregnancy and behavioral outcomes in the child at 4 years of age. <i>Brain, Behavior, and Immunity</i> , 2020 , 90, 272-278	16.6	3
25	Urinary PGE-M Levels and Risk of Ovarian Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019 , 28, 1845-1852	4	3
24	Maternal Urinary Metal and Metalloid Concentrations in Association with Oxidative Stress Biomarkers. <i>Antioxidants</i> , 2021 , 10,	7.1	3
23	Quality of dietary carbohydrate is more important than its quantity in lipid peroxidation.. <i>American Journal of Clinical Nutrition</i> , 2022 ,	7	2
22	Urine Eicosanoids in the Metabolic Abnormalities, Telmisartan, and HIV Infection (MATH) Trial. <i>PLoS ONE</i> , 2017 , 12, e0170515	3.7	2
21	Synthesis of a Human Urinary Metabolite of Prostaglandin D. <i>Organic Letters</i> , 2019 , 21, 10048-10051	6.2	2
20	Haloperidol Interactions with the dop-3 Receptor in <i>Caenorhabditis elegans</i> . <i>Molecular Neurobiology</i> , 2021 , 58, 304-316	6.2	2
19	Letter by Mitchell et al Regarding Article, "Urinary Prostaglandin Metabolites: An Incomplete Reckoning and a Flush to Judgment". <i>Circulation Research</i> , 2018 , 122, e84-e85	15.7	2
18	Synthesis of tetranor-PGE: a urinary metabolite of prostaglandins E and E. <i>Tetrahedron Letters</i> , 2020 , 61, 151922-151922	2	1
17	Neither vaginal nor buccal administration of 800 µg misoprostol alters mucosal and systemic immune activation or the cervicovaginal microbiome: a pilot study. <i>European Journal of Contraception and Reproductive Health Care</i> , 2016 , 21, 436-442	1.8	1
16	Measurement of Biological Materials 2009 , 69-86		1
15	The association between urinary glyphosate and aminomethyl phosphonic acid with biomarkers of oxidative stress among pregnant women in the PROTECT birth cohort study.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 233, 113300	7	1
14	Counterpoint: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 320, E1001-E1002 ¹	6	1
13	The prostaglandin pathway is activated in patients who fail medical therapy for benign prostatic hyperplasia with lower urinary tract symptoms. <i>Prostate</i> , 2021 , 81, 944-955	4.2	1
12	Urinary PGE-M in Men with Prostate Cancer. <i>Cancers</i> , 2021 , 13,	6.6	1

11	Isofurans and Isoprostanes as Potential Markers of Delayed Cerebral Ischemia Following Aneurysmal Subarachnoid Hemorrhage: A Prospective Observational Study. <i>Neurocritical Care</i> , 2021 , 1	3.3	○
10	Associations between mixtures of urinary phthalate metabolite concentrations and oxidative stress biomarkers among couples undergoing fertility treatment.. <i>Environmental Research</i> , 2022 , 113342	7.9	○
9	Associations between social, biologic, and behavioral factors and biomarkers of oxidative stress during pregnancy: Findings from four ECHO cohorts.. <i>Science of the Total Environment</i> , 2022 , 835, 155596 ^{10.2}	10.2	○
8	The Isoprostanes: Accurate Markers and Potent Mediators of Oxidant Injury in Vivo 2010 , 65-84		
7	Transiently increased serotonin has modest or no effects on bone mass accrual in growing female C57BL6/J or growing male and female Lrp5 mice.. <i>Bone</i> , 2021 , 158, 116307	4.7	
6	The Role of Oxidative Stress in Diseases Associated with Overweight and Obesity. <i>Oxidative Stress and Disease</i> , 2007 , 33-46		
5	Isoprostanes ¹		
4	Gender-independent pattern of dyslipidemia and systemic oxidation in overweight children. <i>FASEB Journal</i> , 2009 , 23, 966.1	0.9	
3	Mitochondria Targeted Cytochrome P450 2E1: Potential Role in Alcohol Mediated Mitochondrial Oxidative Stress. <i>FASEB Journal</i> , 2010 , 24, lb146	0.9	
2	Reply to Petersen et al.: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 320, E1004-E1005	6	
1	Association of dietary and plasma carotenoids with urinary F-isoprostanes.. <i>European Journal of Nutrition</i> , 2022 , 1	5.2	