

# Bruce A Freeman

## List of Publications by Citations

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143  
papers

16,202  
citations

63  
h-index

127  
g-index

148  
ext. papers

17,255  
ext. citations

7.8  
avg, IF

6.15  
L-index

#	Paper	IF	Citations
143	Peroxynitrite-induced membrane lipid peroxidation: the cytotoxic potential of superoxide and nitric oxide. <i>Archives of Biochemistry and Biophysics</i> , <b>1991</b> , 288, 481-7	4.1	1946
142	Formation of nitric oxide-derived inflammatory oxidants by myeloperoxidase in neutrophils. <i>Nature</i> , <b>1998</b> , 391, 393-7	50.4	1329
141	Myeloperoxidase, a leukocyte-derived vascular NO oxidase. <i>Science</i> , <b>2002</b> , 296, 2391-4	33.3	565
140	Role of superoxide in angiotensin II-induced but not catecholamine-induced hypertension. <i>Circulation</i> , <b>1997</b> , 95, 588-93	16.7	533
139	Peroxynitrite reaction with carbon dioxide/bicarbonate: kinetics and influence on peroxynitrite-mediated oxidations. <i>Archives of Biochemistry and Biophysics</i> , <b>1996</b> , 333, 49-58	4.1	507
138	Nitrolinoleic acid: an endogenous peroxisome proliferator-activated receptor gamma ligand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 2340-5	11.5	363
137	NO-dependent protein nitration: a cell signaling event or an oxidative inflammatory response?. <i>Trends in Biochemical Sciences</i> , <b>2003</b> , 28, 646-54	10.3	315
136	Fatty acid transduction of nitric oxide signaling: multiple nitrated unsaturated fatty acid derivatives exist in human blood and urine and serve as endogenous peroxisome proliferator-activated receptor ligands. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 42464-75	5.4	289
135	Nitrated fatty acids: Endogenous anti-inflammatory signaling mediators. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 35686-98	5.4	275
134	Endothelial transcytosis of myeloperoxidase confers specificity to vascular ECM proteins as targets of tyrosine nitration. <i>Journal of Clinical Investigation</i> , <b>2001</b> , 108, 1759-1770	15.9	247
133	Nitric oxide regulation of tissue free radical injury. <i>Chemical Research in Toxicology</i> , <b>1996</b> , 9, 809-20	4	244
132	Nitration of unsaturated fatty acids by nitric oxide-derived reactive nitrogen species peroxynitrite, nitrous acid, nitrogen dioxide, and nitronium ion. <i>Chemical Research in Toxicology</i> , <b>1999</b> , 12, 83-92	4	238
131	Interactions between nitric oxide and lipid oxidation pathways: implications for vascular disease. <i>Circulation Research</i> , <b>2001</b> , 88, 12-21	15.7	236
130	Formation and signaling actions of electrophilic lipids. <i>Chemical Reviews</i> , <b>2011</b> , 111, 5997-6021	68.1	228
129	Nitric oxide inhibition of lipoxygenase-dependent liposome and low-density lipoprotein oxidation: termination of radical chain propagation reactions and formation of nitrogen-containing oxidized lipid derivatives. <i>Archives of Biochemistry and Biophysics</i> , <b>1995</b> , 324, 15-25	4.1	228
128	Nitric oxide inhibition of lipid peroxidation: kinetics of reaction with lipid peroxy radicals and comparison with alpha-tocopherol. <i>Biochemistry</i> , <b>1997</b> , 36, 15216-23	3.2	223
127	Hydrogen sulfide anion regulates redox signaling via electrophile sulphydration. <i>Nature Chemical Biology</i> , <b>2012</b> , 8, 714-24	11.7	220

126	Cyclooxygenase-2 generates anti-inflammatory mediators from omega-3 fatty acids. <i>Nature Chemical Biology</i> , <b>2010</b> , 6, 433-41	11.7	219
125	Reversible post-translational modification of proteins by nitrated fatty acids in vivo. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 20450-63	5.4	217
124	Nitro-fatty acid formation and signaling. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 15515-9	5.4	212
123	Oxidases and peroxidases in cardiovascular and lung disease: new concepts in reactive oxygen species signaling. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 51, 1271-88	7.8	193
122	Disruption of PPAR $\gamma$ /catenin-mediated regulation of apelin impairs BMP-induced mouse and human pulmonary arterial EC survival. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 3735-46	15.9	186
121	Reactive oxygen species in human health and disease. <i>Nutrition</i> , <b>2001</b> , 17, 161, 163-5	4.8	184
120	Red cell membrane and plasma linoleic acid nitration products: synthesis, clinical identification, and quantitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 11577-82	11.5	180
119	Transduction of redox signaling by electrophile-protein reactions. <i>Science Signaling</i> , <b>2009</b> , 2, re7	8.8	164
118	Electrophilic nitro-fatty acids activate NRF2 by a KEAP1 cysteine 151-independent mechanism. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 14019-27	5.4	157
117	Nitro-fatty acid reaction with glutathione and cysteine. Kinetic analysis of thiol alkylation by a Michael addition reaction. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 31085-93	5.4	152
116	Endogenous generation and protective effects of nitro-fatty acids in a murine model of focal cardiac ischaemia and reperfusion. <i>Cardiovascular Research</i> , <b>2010</b> , 85, 155-66	9.9	150
115	Molecular recognition of nitrated fatty acids by PPAR gamma. <i>Nature Structural and Molecular Biology</i> , <b>2008</b> , 15, 865-7	17.6	147
114	Nitrolinoleate inhibits superoxide generation, degranulation, and integrin expression by human neutrophils: novel antiinflammatory properties of nitric oxide-derived reactive species in vascular cells. <i>Circulation Research</i> , <b>2002</b> , 91, 375-81	15.7	146
113	Fatty acid transduction of nitric oxide signaling. Nitrolinoleic acid is a hydrophobically stabilized nitric oxide donor. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 19289-97	5.4	145
112	Covalent peroxisome proliferator-activated receptor gamma adduction by nitro-fatty acids: selective ligand activity and anti-diabetic signaling actions. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 12321-33	5.4	141
111	Nitric oxide reaction with lipid peroxyl radicals spares alpha-tocopherol during lipid peroxidation. Greater oxidant protection from the pair nitric oxide/alpha-tocopherol than alpha-tocopherol/ascorbate. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 10812-8	5.4	137
110	Spatial mapping of pulmonary and vascular nitrotyrosine reveals the pivotal role of myeloperoxidase as a catalyst for tyrosine nitration in inflammatory diseases. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 33, 1010	7.8	134
109	Nrf2-dependent and -independent responses to nitro-fatty acids in human endothelial cells: identification of heat shock response as the major pathway activated by nitro-oleic acid. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 33233-41	5.4	130

108	Nitro-linoleic acid inhibits vascular smooth muscle cell proliferation via the Keap1/Nrf2 signaling pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 293, H770-6	5.2	115
107	Nitric oxide regulation of superoxide-dependent lung injury: oxidant-protective actions of endogenously produced and exogenously administered nitric oxide. <i>Free Radical Biology and Medicine</i> , <b>1996</b> , 21, 43-52	7.8	109
106	Fatty acid transduction of nitric oxide signaling: nitrolinoleic acid potently activates endothelial heme oxygenase 1 expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 4299-304	11.5	108
105	Conjugated linoleic acid is a preferential substrate for fatty acid nitration. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 44071-82	5.4	106
104	Nitrolinoleate, a nitric oxide-derived mediator of cell function: synthesis, characterization, and vasomotor activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 15941-6	11.5	104
103	Mitochondrial nitroalkene formation and mild uncoupling in ischaemic preconditioning: implications for cardioprotection. <i>Cardiovascular Research</i> , <b>2009</b> , 82, 333-40	9.9	103
102	Nitro-fatty acid metabolome: saturation, desaturation, beta-oxidation, and protein adduction. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 1461-73	5.4	100
101	PPARgamma and its ligands: therapeutic implications in cardiovascular disease. <i>Clinical Science</i> , <b>2009</b> , 116, 205-18	6.5	99
100	Nitro-oleic acid inhibits angiotensin II-induced hypertension. <i>Circulation Research</i> , <b>2010</b> , 107, 540-8	15.7	96
99	Nitric oxide regulation of free radical- and enzyme-mediated lipid and lipoprotein oxidation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 1707-15	9.4	96
98	Convergence of nitric oxide and lipid signaling: anti-inflammatory nitro-fatty acids. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 46, 989-1003	7.8	94
97	Reactive species in sickle cell disease. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 899, 375-91	6.5	91
96	Electrophilic nitro-fatty acids inhibit vascular inflammation by disrupting LPS-dependent TLR4 signalling in lipid rafts. <i>Cardiovascular Research</i> , <b>2013</b> , 98, 116-24	9.9	87
95	Nitro-fatty acids reduce atherosclerosis in apolipoprotein E-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 938-45	9.4	84
94	Nitrolinoleate inhibits platelet activation by attenuating calcium mobilization and inducing phosphorylation of vasodilator-stimulated phosphoprotein through elevation of cAMP. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 5832-40	5.4	84
93	Enterosalivary nitrate metabolism and the microbiome: Intersection of microbial metabolism, nitric oxide and diet in cardiac and pulmonary vascular health. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 105, 48-67	7.8	83
92	Peroxynitrite reactions with carbon dioxide-bicarbonate. <i>Methods in Enzymology</i> , <b>1999</b> , 301, 353-67	1.7	81
91	Redox-dependent anti-inflammatory signaling actions of unsaturated fatty acids. <i>Annual Review of Physiology</i> , <b>2014</b> , 76, 79-105	23.1	79

90	Olives and olive oil are sources of electrophilic fatty acid nitroalkenes. <i>PLoS ONE</i> , <b>2014</b> , 9, e84884	3.7	79
89	Cytochrome c: a catalyst and target of nitrite-hydrogen peroxide-dependent protein nitration. <i>Archives of Biochemistry and Biophysics</i> , <b>2004</b> , 421, 99-107	4.1	76
88	Macrophage activation induces formation of the anti-inflammatory lipid cholesteryl-nitrolinoleate. <i>Biochemical Journal</i> , <b>2009</b> , 417, 223-34	3.8	73
87	15-Lipoxygenase catalytically consumes nitric oxide and impairs activation of guanylate cyclase. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 20083-91	5.4	73
86	Protection from hypertension in mice by the Mediterranean diet is mediated by nitro fatty acid inhibition of soluble epoxide hydrolase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 8167-72	11.5	68
85	Nitro-oleic acid, a novel and irreversible inhibitor of xanthine oxidoreductase. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 36176-84	5.4	67
84	Nitrated oleic acid up-regulates PPARgamma and attenuates experimental inflammatory bowel disease. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 48, 499-505	7.8	65
83	Nitrite and nitrate-dependent generation of anti-inflammatory fatty acid nitroalkenes. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 89, 333-41	7.8	64
82	Fatty acid nitroalkenes ameliorate glucose intolerance and pulmonary hypertension in high-fat diet-induced obesity. <i>Cardiovascular Research</i> , <b>2014</b> , 101, 352-63	9.9	63
81	Redox signaling in inflammation: interactions of endogenous electrophiles and mitochondria in cardiovascular disease. <i>Annals of the New York Academy of Sciences</i> , <b>2010</b> , 1203, 45-52	6.5	63
80	Diffusion of nitric oxide into low density lipoprotein. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 932-6	5.4	63
79	Nitration of unsaturated fatty acids by nitric oxide-derived reactive species. <i>Methods in Enzymology</i> , <b>1999</b> , 301, 454-70	1.7	62
78	Nitro-fatty acid inhibition of neointima formation after endoluminal vessel injury. <i>Circulation Research</i> , <b>2009</b> , 105, 965-72	15.7	61
77	Nitro-fatty acids and cyclopentenone prostaglandins share strategies to activate the Keap1-Nrf2 system: a study using green fluorescent protein transgenic zebrafish. <i>Genes To Cells</i> , <b>2011</b> , 16, 46-57	2.3	60
76	Catalytic consumption of nitric oxide by prostaglandin H synthase-1 regulates platelet function. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 38239-44	5.4	60
75	Characterization and quantification of endogenous fatty acid nitroalkene metabolites in human urine. <i>Journal of Lipid Research</i> , <b>2013</b> , 54, 1998-2009	6.3	58
74	Activation of vascular endothelial nitric oxide synthase and heme oxygenase-1 expression by electrophilic nitro-fatty acids. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 48, 230-9	7.8	58
73	Elastin repeat peptides as chemoattractants for bovine aortic endothelial cells. <i>Journal of Cellular Physiology</i> , <b>1989</b> , 140, 512-8	7	57

72	Human haem oxygenase-1 induction by nitro-linoleic acid is mediated by cAMP, AP-1 and E-box response element interactions. <i>Biochemical Journal</i> , <b>2009</b> , 422, 353-61	3.8	55
71	Nitroalkenes suppress lipopolysaccharide-induced signal transducer and activator of transcription signaling in macrophages: a critical role of mitogen-activated protein kinase phosphatase 1. <i>Endocrinology</i> , <b>2008</b> , 149, 4086-94	4.8	55
70	Signaling actions of electrophiles: anti-inflammatory therapeutic candidates. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , <b>2010</b> , 10, 39-50		54
69	Electrophilic nitro-fatty acids: anti-inflammatory mediators in the vascular compartment. <i>Current Opinion in Pharmacology</i> , <b>2010</b> , 10, 179-84	5.1	52
68	Convergence of biological nitration and nitrosation via symmetrical nitrous anhydride. <i>Nature Chemical Biology</i> , <b>2015</b> , 11, 504-10	11.7	51
67	New insights into the role of fatty acids in the pathogenesis and resolution of inflammatory bowel disease. <i>Inflammatory Bowel Diseases</i> , <b>2011</b> , 17, 2192-204	4.5	49
66	Nitro-fatty acids: New drug candidates for chronic inflammatory and fibrotic diseases. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2018</b> , 79, 31-37	5	49
65	Modulation of nitro-fatty acid signaling: prostaglandin reductase-1 is a nitroalkene reductase. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 25626-25637	5.4	46
64	Protective effects of 10-nitro-oleic acid in a hypoxia-induced murine model of pulmonary hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2014</b> , 51, 155-62	5.7	45
63	Electrophilic fatty acids regulate matrix metalloproteinase activity and expression. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 16074-81	5.4	42
62	In situ generation, metabolism and immunomodulatory signaling actions of nitro-conjugated linoleic acid in a murine model of inflammation. <i>Redox Biology</i> , <b>2018</b> , 15, 522-531	11.3	41
61	Generation and dietary modulation of anti-inflammatory electrophilic omega-3 fatty acid derivatives. <i>PLoS ONE</i> , <b>2014</b> , 9, e94836	3.7	41
60	Nitro-fatty acid inhibition of triple-negative breast cancer cell viability, migration, invasion, and tumor growth. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 1120-1137	5.4	39
59	Nitro-oleic acid modulates classical and regulatory activation of macrophages and their involvement in pro-fibrotic responses. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 90, 252-260	7.8	38
58	Cardiovascular consequences when nitric oxide and lipid signaling converge. <i>Circulation Research</i> , <b>2009</b> , 105, 511-22	15.7	38
57	Electrophilic fatty acid species inhibit 5-lipoxygenase and attenuate sepsis-induced pulmonary inflammation. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 2667-80	8.4	37
56	Nitro-fatty acids in cardiovascular regulation and diseases: characteristics and molecular mechanisms. <i>Frontiers in Bioscience - Landmark</i> , <b>2016</b> , 21, 873-89	2.8	35
55	IL-27 and type 2 immunity in asthmatic patients: association with severity, CXCL9, and signal transducer and activator of transcription signaling. <i>Journal of Allergy and Clinical Immunology</i> , <b>2015</b> , 135, 386-94	11.5	33

54	Electrophilic fatty acid nitroalkenes regulate Nrf2 and NF- $\kappa$ B signaling: A medicinal chemistry investigation of structure-function relationships. <i>Scientific Reports</i> , <b>2018</b> , 8, 2295	4.9	32
53	Nitric oxide and reactive oxygen species in vascular injury. <i>Biochemical Society Symposia</i> , <b>1995</b> , 61, 33-45		32
52	Nitro-fatty acid pharmacokinetics in the adipose tissue compartment. <i>Journal of Lipid Research</i> , <b>2017</b> , 58, 375-385	6.3	30
51	Nitrated fatty acids suppress angiotensin II-mediated fibrotic remodelling and atrial fibrillation. <i>Cardiovascular Research</i> , <b>2016</b> , 109, 174-84	9.9	29
50	Generation and esterification of electrophilic fatty acid nitroalkenes in triacylglycerides. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 87, 113-24	7.8	25
49	The discovery of nitro-fatty acids as products of metabolic and inflammatory reactions and mediators of adaptive cell signaling. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2018</b> , 77, 106-111	5	24
48	Inhibition of Mycobacterium tuberculosis PknG by non-catalytic rubredoxin domain specific modification: reaction of an electrophilic nitro-fatty acid with the Fe-S center. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 65, 150-161	7.8	24
47	Fatty acid transduction of nitric oxide signaling: nitrolinoleic acid mediates protective effects through regulation of the ERK pathway. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 46, 866-75	7.8	24
46	15-Oxoeicosatetraenoic acid is a 15-hydroxyprostaglandin dehydrogenase-derived electrophilic mediator of inflammatory signaling pathways. <i>Chemico-Biological Interactions</i> , <b>2015</b> , 234, 144-53	5	23
45	Nitro-oleic acid desensitizes TRPA1 and TRPV1 agonist responses in adult rat DRG neurons. <i>Experimental Neurology</i> , <b>2014</b> , 251, 12-21	5.7	22
44	Nitro-oleic acid inhibits vascular endothelial inflammatory responses and the endothelial-mesenchymal transition. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2016</b> , 1860, 2428-2437		21
43	15-Hydroxyprostaglandin dehydrogenase generation of electrophilic lipid signaling mediators from hydroxy $\omega$ fatty acids. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 5868-80	5.4	21
42	Electrophilic fatty acid nitroalkenes are systemically transported and distributed upon esterification to complex lipids. <i>Journal of Lipid Research</i> , <b>2019</b> , 60, 388-399	6.3	19
41	Electrophiles modulate glutathione reductase activity via alkylation and upregulation of glutathione biosynthesis. <i>Redox Biology</i> , <b>2019</b> , 21, 101050	11.3	19
40	Electrophilic nitro-oleic acid reverses obesity-induced hepatic steatosis. <i>Redox Biology</i> , <b>2019</b> , 22, 101132	11.3	16
39	Electrophilic nitro-fatty acids prevent astrocyte-mediated toxicity to motor neurons in a cell model of familial amyotrophic lateral sclerosis via nuclear factor erythroid 2-related factor activation. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 95, 112-20	7.8	16
38	Biomimetic nitration of conjugated linoleic acid: formation and characterization of naturally occurring conjugated nitrodienes. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 25-33	4.2	16
37	Conjugated Linoleic Acid Modulates Clinical Responses to Oral Nitrite and Nitrate. <i>Hypertension</i> , <b>2017</b> , 70, 634-644	8.5	16

36	Pulmonary metabolism of reactive oxygen species. <i>Experimental Lung Research</i> , <b>1988</b> , 14 Suppl, 959-76	2.3	16
35	Nitro-oleic acid, a ligand of CD36, reduces cholesterol accumulation by modulating oxidized-LDL uptake and cholesterol efflux in RAW264.7 macrophages. <i>Redox Biology</i> , <b>2020</b> , 36, 101591	11.3	15
34	Gas-phase fragmentation analysis of nitro-fatty acids. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2011</b> , 22, 1534-51	3.5	15
33	Nitro-oleic acid regulates growth factor-induced differentiation of bone marrow-derived macrophages. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 104, 10-19	7.8	12
32	Electrophilic nitroalkene-tocopherol derivatives: synthesis, physicochemical characterization and evaluation of anti-inflammatory signaling responses. <i>Scientific Reports</i> , <b>2018</b> , 8, 12784	4.9	11
31	Nitro-Oleic Acid (NO-OA) Release Enhances Regional Angiogenesis in a Rat Abdominal Wall Defect Model. <i>Tissue Engineering - Part A</i> , <b>2018</b> , 24, 889-904	3.9	11
30	Nitro-Oleic Acid Prevents Hypoxia- and Asymmetric Dimethylarginine-Induced Pulmonary Endothelial Dysfunction. <i>Cardiovascular Drugs and Therapy</i> , <b>2016</b> , 30, 579-586	3.9	10
29	Novel gene regulatory networks identified in response to nitro-conjugated linoleic acid in human endothelial cells. <i>Physiological Genomics</i> , <b>2019</b> , 51, 224-233	3.6	9
28	Topical electrophilic nitro-fatty acids potentiate cutaneous inflammation. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 115, 31-42	7.8	9
27	Electrophilic characteristics and aqueous behavior of fatty acid nitroalkenes. <i>Redox Biology</i> , <b>2021</b> , 38, 101756	11.3	8
26	Redox properties and human serum albumin binding of nitro-oleic acid. <i>Redox Biology</i> , <b>2019</b> , 24, 101213	11.3	7
25	Activation of TRPC channels contributes to OA-NO <sub>2</sub> -induced responses in guinea-pig dorsal root ganglion neurons. <i>Journal of Physiology</i> , <b>2014</b> , 592, 4297-312	3.9	6
24	Electrophilic fatty acids impair RAD51 function and potentiate the effects of DNA-damaging agents on growth of triple-negative breast cells. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 397-404	5.4	6
23	Transcriptomic sequencing reveals diverse adaptive gene expression responses of human vascular smooth muscle cells to nitro-conjugated linoleic acid. <i>Physiological Genomics</i> , <b>2018</b> , 50, 287-295	3.6	5
22	Nitro-fatty acids suppress ischemic ventricular arrhythmias by preserving calcium homeostasis. <i>Scientific Reports</i> , <b>2020</b> , 10, 15319	4.9	5
21	Electrophilic nitro-fatty acids suppress psoriasisform dermatitis: STAT3 inhibition as a contributory mechanism. <i>Redox Biology</i> , <b>2021</b> , 43, 101987	11.3	5
20	Insulin-like growth factor binding proteins in air- and 85% oxygen-exposed adult rat lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>1998</b> , 274, L647-56	5.8	4
19	Suppression of Vascular Macrophage Activation by Nitro-Oleic Acid and its Implication for Abdominal Aortic Aneurysm Therapy. <i>Cardiovascular Drugs and Therapy</i> , <b>2021</b> , 35, 939-951	3.9	4

18	Nitroalkene fatty acids modulate bile acid metabolism and lung function in obese asthma. <i>Scientific Reports</i> , <b>2021</b> , 11, 17788	4.9	4
17	Novel Roles for Peroxynitrite in Angiotensin II and CaMKII Signaling. <i>Scientific Reports</i> , <b>2016</b> , 6, 23416	4.9	3
16	Electrophilic Nitro-Fatty Acids: Nitric Oxide and Nitrite-Derived Metabolic and Inflammatory Signaling Mediators <b>2017</b> , 213-229		3
15	Fatty acid nitroalkenes inhibit the inflammatory response to bleomycin-mediated lung injury. <i>Toxicology and Applied Pharmacology</i> , <b>2020</b> , 407, 115236	4.6	3
14	Endogenous generation of nitro-fatty acid hybrids having dual nitrate ester (RONO) and nitroalkene (RNO) substituents. <i>Redox Biology</i> , <b>2021</b> , 41, 101913	11.3	3
13	Nitro-oleic acid (NO <sub>2</sub> -OA) reduces thoracic aortic aneurysm progression in a mouse model of Marfan syndrome. <i>Cardiovascular Research</i> , <b>2021</b> ,	9.9	3
12	Synthesis of an Electrophilic Keto-Tetraene 15-oxo-Lipoxin A Methyl Ester a MIDA Boronate. <i>Tetrahedron Letters</i> , <b>2018</b> , 59, 3524-3527	2	2
11	Nitro-Oleic Acid (NO-OA) Improves Systolic Function in Dilated Cardiomyopathy by Attenuating Myocardial Fibrosis. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
10	Nitro-oleic acid and epoxyoleic acid are not altered in obesity and type 2 diabetes: reply. <i>Cardiovascular Research</i> , <b>2014</b> , 102, 518	9.9	1
9	Protein Targets and Functional Consequences of Tyrosine Nitration in Vascular Disease <b>2006</b> , 729-786		1
8	Fatty acid nitroalkene reversal of established lung fibrosis.. <i>Redox Biology</i> , <b>2021</b> , 50, 102226	11.3	1
7	TRP Channel Agonists Activate Different Afferent Neuromodulatory Mechanisms in Guinea Pig Urinary Bladder. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 692719	4.6	1
6	Synthesis of 9- and 12-nitro conjugated linoleic acid: Regiospecific isomers of naturally occurring conjugated nitrodienes. <i>Tetrahedron Letters</i> , <b>2021</b> , 81, 153371	2	1
5	Lipid nitroalkene nanoparticles for the focal treatment of ischemia reperfusion.. <i>Nanotheranostics</i> , <b>2022</b> , 6, 215-229	5.6	0
4	Fatty Acid Transduction of Nitric Oxide Signaling <b>2010</b> , 391-414		
3	Electrophilic Nitroalkenes Cause Degradation of NFB RelA Protein in Triple Negative Breast Cancer Cells. <i>FASEB Journal</i> , <b>2015</b> , 29, 945.8	0.9	
2	Electrophilic Nitro-Fatty Acids Exert Cardioprotection against Hypertrophic Remodeling and Fibrosis in Pressure Overloaded Mice. <i>FASEB Journal</i> , <b>2015</b> , 29, 640.6	0.9	
1	Electrophilic nitro-fatty acids inhibit vascular inflammation. <i>FASEB Journal</i> , <b>2013</b> , 27, 920.10	0.9	

