Bruce A Freeman

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3367053/publications.pdf

Version: 2024-02-01

146 papers	18,623 citations	13827 67 h-index	11581 135 g-index
148 all docs	148 docs citations	148 times ranked	13188 citing authors

#	Article	IF	Citations
1	Peroxynitrite-induced membrane lipid peroxidation: The cytotoxic potential of superoxide and nitric oxide. Archives of Biochemistry and Biophysics, 1991, 288, 481-487.	1.4	2,105
2	Formation of nitric oxide-derived inflammatory oxidants by myeloperoxidase in neutrophils. Nature, 1998, 391, 393-397.	13.7	1,452
3	Role of Superoxide in Angiotensin Iiâ€“Induced but Not Catecholamine-Induced Hypertension. Circulation, 1997, 95, 588-593.	1.6	647
4	Myeloperoxidase, a Leukocyte-Derived Vascular NO Oxidase. Science, 2002, 296, 2391-2394.	6.0	631
5	Peroxynitrite Reaction with Carbon Dioxide/Bicarbonate: Kinetics and Influence on Peroxynitrite-Mediated Oxidations. Archives of Biochemistry and Biophysics, 1996, 333, 49-58.	1.4	546
6	Nitrolinoleic acid: An endogenous peroxisome proliferator-activated receptor Â ligand. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2340-2345.	3.3	400
7	NO-dependent protein nitration: a cell signaling event or an oxidative inflammatory response?. Trends in Biochemical Sciences, 2003, 28, 646-654.	3.7	339
8	Fatty Acid Transduction of Nitric Oxide Signaling. Journal of Biological Chemistry, 2005, 280, 42464-42475.	1.6	323
9	Nitrated Fatty Acids: Endogenous Anti-inflammatory Signaling Mediators*. Journal of Biological Chemistry, 2006, 281, 35686-35698.	1.6	318
10	Formation and Signaling Actions of Electrophilic Lipids. Chemical Reviews, 2011, 111, 5997-6021.	23.0	280
11	Hydrogen sulfide anion regulates redox signaling via electrophile sulfhydration. Nature Chemical Biology, 2012, 8, 714-724.	3.9	274
12	Nitric Oxide Regulation of Tissue Free Radical Injury. Chemical Research in Toxicology, 1996, 9, 809-820.	1.7	272
13	Endothelial transcytosis of myeloperoxidase confers specificity to vascular ECM proteins as targets of tyrosine nitration. Journal of Clinical Investigation, 2001, 108, 1759-1770.	3.9	270
14	Interactions Between Nitric Oxide and Lipid Oxidation Pathways. Circulation Research, 2001, 88, 12-21.	2.0	265
15	Nitration of Unsaturated Fatty Acids by Nitric Oxide-Derived Reactive Nitrogen Species Peroxynitrite, Nitrous Acid, Nitrogen Dioxide, and Nitronium Ion. Chemical Research in Toxicology, 1999, 12, 83-92.	1.7	260
16	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. Archives of Biochemistry and Biophysics, 1995, 324, 15-25.	1.4	254
17	Cyclooxygenase-2 generates anti-inflammatory mediators from omega-3 fatty acids. Nature Chemical Biology, 2010, 6, 433-441.	3.9	253
18	Reversible Post-translational Modification of Proteins by Nitrated Fatty Acids in Vivo. Journal of Biological Chemistry, 2006, 281, 20450-20463.	1.6	248

#	Article	IF	Citations
19	Nitric Oxide Inhibition of Lipid Peroxidation:Â Kinetics of Reaction with Lipid Peroxyl Radicals and Comparison with Î±-Tocopherolâ€. Biochemistry, 1997, 36, 15216-15223.	1.2	240
20	Nitro-fatty Acid Formation and Signaling. Journal of Biological Chemistry, 2008, 283, 15515-15519.	1.6	239
21	Reactive oxygen species in human health and disease. Nutrition, 2001, 17, 161-165.	1.1	228
22	Oxidases and peroxidases in cardiovascular and lung disease: New concepts in reactive oxygen species signaling. Free Radical Biology and Medicine, 2011, 51, 1271-1288.	1.3	218
23	Disruption of PPARÎ³/Î²-cateninâ€“mediated regulation of apelin impairs BMP-induced mouse and human pulmonary arterial EC survival. Journal of Clinical Investigation, 2011, 121, 3735-3746.	3.9	217
24	Red cell membrane and plasma linoleic acid nitration products: Synthesis, clinical identification, and quantitation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11577-11582.	3.3	193
25	Transduction of Redox Signaling by Electrophile-Protein Reactions. Science Signaling, 2009, 2, re7.	1.6	184
26	Electrophilic Nitro-fatty Acids Activate NRF2 by a KEAP1 Cysteine 151-independent Mechanism. Journal of Biological Chemistry, 2011, 286, 14019-14027.	1.6	182
27	Nitro-fatty Acid Reaction with Glutathione and Cysteine. Journal of Biological Chemistry, 2007, 282, 31085-31093.	1.6	176
28	Endogenous generation and protective effects of nitro-fatty acids in a murine model of focal cardiac ischaemia and reperfusion. Cardiovascular Research, 2010, 85, 155-166.	1.8	171
29	Nitrolinoleate Inhibits Superoxide Generation, Degranulation, and Integrin Expression by Human Neutrophils. Circulation Research, 2002, 91, 375-381.	2.0	168
30	Fatty Acid Transduction of Nitric Oxide Signaling. Journal of Biological Chemistry, 2005, 280, 19289-19297.	1.6	167
31	Nitric Oxide Reaction with Lipid Peroxyl Radicals Spares Î±-Tocopherol during Lipid Peroxidation. Journal of Biological Chemistry, 2000, 275, 10812-10818.	1.6	161
32	Molecular recognition of nitrated fatty acids by PPARÎ³. Nature Structural and Molecular Biology, 2008, 15, 865-867.	3.6	161
33	Spatial mapping of pulmonary and vascular nitrotyrosine reveals the pivotal role of myeloperoxidase as a catalyst for tyrosine nitration in inflammatory diseases. Free Radical Biology and Medicine, 2002, 33, 1010-1019.	1.3	153
34	Covalent Peroxisome Proliferator-activated Receptor Î³ Adduction by Nitro-fatty Acids. Journal of Biological Chemistry, 2010, 285, 12321-12333.	1.6	151
35	Nrf2-dependent and -independent Responses to Nitro-fatty Acids in Human Endothelial Cells. Journal of Biological Chemistry, 2009, 284, 33233-33241.	1.6	150
36	Nitro-linoleic acid inhibits vascular smooth muscle cell proliferation via the Keap1/Nrf2 signaling pathway. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H770-H776.	1.5	133

#	Article	IF	Citations
37	Conjugated Linoleic Acid Is a Preferential Substrate for Fatty Acid Nitration. Journal of Biological Chemistry, 2012, 287, 44071-44082.	1.6	131
38	Fatty acid transduction of nitric oxide signaling: Nitrolinoleic acid potently activates endothelial heme oxygenase 1 expression. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4299-4304.	3.3	124
39	Enterosalivary nitrate metabolism and the microbiome: Intersection of microbial metabolism, nitric oxide and diet in cardiac and pulmonary vascular health. Free Radical Biology and Medicine, 2017, 105, 48-67.	1.3	123
40	Nitric oxide regulation of superoxide-dependent lung injury: Oxidant-protective actions of endogenously produced and exogenously administered nitric oxide. Free Radical Biology and Medicine, 1996, 21, 43-52.	1.3	122
41	Nitric Oxide Regulation of Free Radicalâ€“ and Enzyme-Mediated Lipid and Lipoprotein Oxidation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 1707-1715.	1.1	121
42	Mitochondrial nitroalkene formation and mild uncoupling in ischaemic preconditioning: implications for cardioprotection. Cardiovascular Research, 2009, 82, 333-340.	1.8	117
43	Nitro-Oleic Acid Inhibits Angiotensin IIâ€“Induced Hypertension. Circulation Research, 2010, 107, 540-548.	2.0	114
44	Nitrolinoleate, a nitric oxide-derived mediator of cell function: Synthesis, characterization, and vasomotor activity. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15941-15946.	3.3	111
45	Convergence of nitric oxide and lipid signaling: Anti-inflammatory nitro-fatty acids. Free Radical Biology and Medicine, 2009, 46, 989-1003.	1.3	111
46	PPARÎ³ and its ligands: therapeutic implications in cardiovascular disease. Clinical Science, 2009, 116, 205-218.	1.8	110
47	Reactive Species in Sickle Cell Disease. Annals of the New York Academy of Sciences, 2000, 899, 375-391.	1.8	109
48	Redox-Dependent Anti-Inflammatory Signaling Actions of Unsaturated Fatty Acids. Annual Review of Physiology, 2014, 76, 79-105.	5.6	107
49	Nitro-fatty Acid Metabolome: Saturation, Desaturation, Î²-Oxidation, and Protein Adduction. Journal of Biological Chemistry, 2009, 284, 1461-1473.	1.6	103
50	Olives and Olive Oil Are Sources of Electrophilic Fatty Acid Nitroalkenes. PLoS ONE, 2014, 9, e84884.	1.1	102
51	Nitroâ€“Fatty Acids Reduce Atherosclerosis in Apolipoprotein Eâ€“Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 938-945.	1.1	99
52	Electrophilic nitro-fatty acids inhibit vascular inflammation by disrupting LPS-dependent TLR4 signalling in lipid rafts. Cardiovascular Research, 2013, 98, 116-124.	1.8	98
53	[37] Peroxynitrite reactions with carbon dioxide-bicarbonate. Methods in Enzymology, 1999, 301, 353-367.	0.4	92
54	Nitrolinoleate Inhibits Platelet Activation by Attenuating Calcium Mobilization and Inducing Phosphorylation of Vasodilator-stimulated Phosphoprotein through Elevation of cAMP. Journal of Biological Chemistry, 2002, 277, 5832-5840.	1.6	89

#	Article	IF	Citations
55	Nitrated oleic acid up-regulates PPARÎ³ and attenuates experimental inflammatory bowel disease. Free Radical Biology and Medicine, 2010, 48, 499-505.	1.3	86
56	15-Lipoxygenase Catalytically Consumes Nitric Oxide and Impairs Activation of Guanylate Cyclase. Journal of Biological Chemistry, 1999, 274, 20083-20091.	1.6	83
57	Cytochrome c: a catalyst and target of nitrite-hydrogen peroxide-dependent protein nitration. Archives of Biochemistry and Biophysics, 2004, 421, 99-107.	1.4	83
58	Fatty acid nitroalkenes ameliorate glucose intolerance and pulmonary hypertension in high-fat diet-induced obesity. Cardiovascular Research, 2014, 101, 352-363.	1.8	81
59	Protection from hypertension in mice by the Mediterranean diet is mediated by nitro fatty acid inhibition of soluble epoxide hydrolase. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8167-8172.	3.3	79
60	Macrophage activation induces formation of the anti-inflammatory lipid cholesteryl-nitrolinoleate. Biochemical Journal, 2009, 417, 223-238.	1.7	78
61	Nitrite and nitrate-dependent generation of anti-inflammatory fatty acid nitroalkenes. Free Radical Biology and Medicine, 2015, 89, 333-341.	1.3	78
62	Nitro-oleic Acid, a Novel and Irreversible Inhibitor of Xanthine Oxidoreductase. Journal of Biological Chemistry, 2008, 283, 36176-36184.	1.6	75
63	[47] Nitration of unsaturated fatty acids by nitric oxide-derived reactive species. Methods in Enzymology, 1999, 301, 454-470.	0.4	72
64	Diffusion of Nitric Oxide into Low Density Lipoprotein. Journal of Biological Chemistry, 2002, 277, 932-936.	1.6	72
65	Redox signaling in inflammation: interactions of endogenous electrophiles and mitochondria in cardiovascular disease. Annals of the New York Academy of Sciences, 2010, 1203, 45-52.	1.8	72
66	Nitro-fatty acids: New drug candidates for chronic inflammatory and fibrotic diseases. Nitric Oxide - Biology and Chemistry, 2018, 79, 31-37.	1.2	71
67	Nitro-fatty acids and cyclopentenone prostaglandins share strategies to activate the Keap1-Nrf2 system: a study using green fluorescent protein transgenic zebrafish. Genes To Cells, 2011, 16, 46-57.	0.5	70
68	Characterization and quantification of endogenous fatty acid nitroalkene metabolites in human urine. Journal of Lipid Research, 2013, 54, 1998-2009.	2.0	70
69	Activation of vascular endothelial nitric oxide synthase and heme oxygenase-1 expression by electrophilic nitro-fatty acids. Free Radical Biology and Medicine, 2010, 48, 230-239.	1.3	69
70	New insights into the role of fatty acids in the pathogenesis and resolution of inflammatory bowel disease. Inflammatory Bowel Diseases, 2011, 17, 2192-2204.	0.9	68
71	Catalytic Consumption of Nitric Oxide by Prostaglandin H Synthase-1 Regulates Platelet Function. Journal of Biological Chemistry, 2000, 275, 38239-38244.	1.6	67
72	Nitroalkenes Suppress Lipopolysaccharide-Induced Signal Transducer and Activator of Transcription Signaling in Macrophages: A Critical Role of Mitogen-Activated Protein Kinase Phosphatase 1. Endocrinology, 2008, 149, 4086-4094.	1.4	66

#	Article	IF	Citations
73	Nitro-Fatty Acid Inhibition of Neointima Formation After Endoluminal Vessel Injury. Circulation Research, 2009, 105, 965-972.	2.0	66
74	Modulation of Nitro-fatty Acid Signaling. Journal of Biological Chemistry, 2013, 288, 25626-25637.	1.6	65
75	Elastin repeat peptides as chemoattractants for bovine aortic endothelial cells. Journal of Cellular Physiology, 1989, 140, 512-518.	2.0	61
76	Human haem oxygenase-1 induction by nitro-linoleic acid is mediated by cAMP, AP-1 and E-box response element interactions. Biochemical Journal, 2009, 422, 353-361.	1.7	60
77	Signaling Actions of Electrophiles: Anti-inflammatory Therapeutic Candidates. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2010, 10, 39-50.	3.4	60
78	Electrophilic nitro-fatty acids: anti-inflammatory mediators in the vascular compartment. Current Opinion in Pharmacology, 2010, 10, 179-184.	1.7	56
79	Protective Effects of 10-nitro-oleic Acid in a Hypoxia-Induced Murine Model of Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 155-162.	1.4	56
80	Convergence of biological nitration and nitrosation via symmetrical nitrous anhydride. Nature Chemical Biology, 2015, 11, 504-510.	3.9	55
81	In situ generation, metabolism and immunomodulatory signaling actions of nitro-conjugated linoleic acid in a murine model of inflammation. Redox Biology, 2018, 15, 522-531.	3.9	55
82	Nitro-fatty acid inhibition of triple-negative breast cancer cell viability, migration, invasion, and tumor growth. Journal of Biological Chemistry, 2018, 293, 1120-1137.	1.6	55
83	Electrophilic Fatty Acids Regulate Matrix Metalloproteinase Activity and Expression. Journal of Biological Chemistry, 2011, 286, 16074-16081.	1.6	51
84	Electrophilic Fatty Acid Species Inhibit 5-Lipoxygenase and Attenuate Sepsis-Induced Pulmonary Inflammation. Antioxidants and Redox Signaling, 2014, 20, 2667-2680.	2.5	49
85	Generation and Dietary Modulation of Anti-Inflammatory Electrophilic Omega-3 Fatty Acid Derivatives. PLoS ONE, 2014, 9, e94836.	1.1	48
86	Nitro-oleic acid modulates classical and regulatory activation of macrophages and their involvement in pro-fibrotic responses. Free Radical Biology and Medicine, 2016, 90, 252-260.	1.3	44
87	Electrophilic fatty acid nitroalkenes regulate Nrf2 and NF-ÎºB signaling:A medicinal chemistry investigation of structure-function relationships. Scientific Reports, 2018, 8, 2295.	1.6	43
88	Nitro-fatty acids in cardiovascular regulation and diseases characteristics and molecular mechanisms. Frontiers in Bioscience - Landmark, 2016, 21, 873-889.	3.0	42
89	Nitro-fatty acid pharmacokinetics in the adipose tissue compartment. Journal of Lipid Research, 2017, 58, 375-385.	2.0	41
90	Cardiovascular Consequences When Nitric Oxide and Lipid Signaling Converge. Circulation Research, 2009, 105, 511-522.	2.0	40

#	Article	IF	Citations
91	Nitrated fatty acids suppress angiotensin II-mediated fibrotic remodelling and atrial fibrillation. Cardiovascular Research, 2016, 109, 174-184.	1.8	39
92	IL-27 and type 2 immunity in asthmatic patients: Association with severity, CXCL9, and signal transducer and activator of transcription signaling. Journal of Allergy and Clinical Immunology, 2015, 135, 386-394.e5.	1.5	38
93	Nitric oxide and reactive oxygen species in vascular injury. Biochemical Society Symposia, 1995, 61, 33-45.	2.7	36
94	Electrophilic fatty acid nitroalkenes are systemically transported and distributed upon esterification to complex lipids. Journal of Lipid Research, 2019, 60, 388-399.	2.0	33
95	Electrophiles modulate glutathione reductase activity via alkylation and upregulation of glutathione biosynthesis. Redox Biology, 2019, 21, 101050.	3.9	33
96	Nitro-oleic acid, a ligand of CD36, reduces cholesterol accumulation by modulating oxidized-LDL uptake and cholesterol efflux in RAW264.7 macrophages. Redox Biology, 2020, 36, 101591.	3.9	33
97	15-Oxoeicosatetraenoic acid is a 15-hydroxyprostaglandin dehydrogenase-derived electrophilic mediator of inflammatory signaling pathways. Chemico-Biological Interactions, 2015, 234, 144-153.	1.7	31
98	Nitro-oleic acid inhibits vascular endothelial inflammatory responses and the endothelial-mesenchymal transition. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2428-2437.	1.1	31
99	The discovery of nitro-fatty acids as products of metabolic and inflammatory reactions and mediators of adaptive cell signaling. Nitric Oxide - Biology and Chemistry, 2018, 77, 106-111.	1.2	31
100	Inhibition of Mycobacterium tuberculosis PknG by non-catalytic rubredoxin domain specific modification: reaction of an electrophilic nitro-fatty acid with the Feâ€“S center. Free Radical Biology and Medicine, 2013, 65, 150-161.	1.3	30
101	15-Hydroxyprostaglandin Dehydrogenase Generation of Electrophilic Lipid Signaling Mediators from Hydroxy Î©-3 Fatty Acids. Journal of Biological Chemistry, 2015, 290, 5868-5880.	1.6	29
102	Generation and esterification of electrophilic fatty acid nitroalkenes in triacylglycerides. Free Radical Biology and Medicine, 2015, 87, 113-124.	1.3	29
103	Fatty acid transduction of nitric oxide signaling: nitrolinoleic acid mediates protective effects through regulation of the ERK pathway. Free Radical Biology and Medicine, 2009, 46, 866-875.	1.3	27
104	Electrophilic nitro-oleic acid reverses obesity-induced hepatic steatosis. Redox Biology, 2019, 22, 101132.	3.9	24
105	Nitro-oleic acid desensitizes TRPA1 and TRPV1 agonist responses in adult rat DRG neurons. Experimental Neurology, 2014, 251, 12-21.	2.0	23
106	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. Free Radical Biology and Medicine, 2016, 95, 112-120.	1.3	23
107	Conjugated Linoleic Acid Modulates Clinical Responses to Oral Nitrite and Nitrate. Hypertension, 2017, 70, 634-644.	1.3	23
108	Is Â· NO News Bad News in Acute Respiratory Distress Syndrome?. American Journal of Respiratory and Critical Care Medicine, 2001, 163, 308-310.	2.5	22

#	Article	IF	Citations
109	Nitro-oleic acid regulates growth factor-induced differentiation of bone marrow-derived macrophages. Free Radical Biology and Medicine, 2017, 104, 10-19.	1.3	22
110	Electrophilic characteristics and aqueous behavior of fatty acid nitroalkenes. Redox Biology, 2021, 38, 101756.	3.9	20
111	Gas-Phase Fragmentation Analysis of Nitro-Fatty Acids. Journal of the American Society for Mass Spectrometry, 2011, 22, 1534-51.	1.2	19
112	Biomimetic Nitration of Conjugated Linoleic Acid: Formation and Characterization of Naturally Occurring Conjugated Nitrodienes. Journal of Organic Chemistry, 2014, 79, 25-33.	1.7	19
113	Pulmonary Metabolism of Reactive Oxygen Species. Experimental Lung Research, 1988, 14, 959-976.	0.5	16
114	Nitro-Oleic Acid (NO₂-OA) Release Enhances Regional Angiogenesis in a Rat Abdominal Wall Defect Model. Tissue Engineering - Part A, 2018, 24, 889-904.	1.6	16
115	Redox properties and human serum albumin binding of nitro-oleic acid. Redox Biology, 2019, 24, 101213.	3.9	16
116	Electrophilic fatty acids impair RAD51 function and potentiate the effects of DNA-damaging agents on growth of triple-negative breast cells. Journal of Biological Chemistry, 2019, 294, 397-404.	1.6	16
117	Novel gene regulatory networks identified in response to nitro-conjugated linoleic acid in human endothelial cells. Physiological Genomics, 2019, 51, 224-233.	1.0	15
118	Nitro-oleic acid reduces thoracic aortic aneurysm progression in a mouse model of Marfan syndrome. Cardiovascular Research, 2022, 118, 2211-2225.	1.8	15
119	Nitroalkene fatty acids modulate bile acid metabolism and lung function in obese asthma. Scientific Reports, 2021, 11, 17788.	1.6	15
120	Nitro-Oleic Acid Prevents Hypoxia- and Asymmetric Dimethylarginine-Induced Pulmonary Endothelial Dysfunction. Cardiovascular Drugs and Therapy, 2016, 30, 579-586.	1.3	12
121	Electrophilic nitroalkene-tocopherol derivatives: synthesis, physicochemical characterization and evaluation of anti-inflammatory signaling responses. Scientific Reports, 2018, 8, 12784.	1.6	12
122	Topical electrophilic nitro-fatty acids potentiate cutaneous inflammation. Free Radical Biology and Medicine, 2018, 115, 31-42.	1.3	11
123	Electrophilic nitro-fatty acids suppress psoriasiform dermatitis: STAT3 inhibition as a contributory mechanism. Redox Biology, 2021, 43, 101987.	3.9	11
124	Activation of TRPC channels contributes to OAâ€NO₂â€induced responses in guineaâ€pig dorsal root ganglion neurons. Journal of Physiology, 2014, 592, 4297-4312.	1.3	9
125	Suppression of Vascular Macrophage Activation by Nitro-Oleic Acid and its Implication for Abdominal Aortic Aneurysm Therapy. Cardiovascular Drugs and Therapy, 2021, 35, 939-951.	1.3	9
126	Nitro-fatty acids suppress ischemic ventricular arrhythmias by preserving calcium homeostasis. Scientific Reports, 2020, 10, 15319.	1.6	9

#	Article	IF	Citations
127	Fatty acid nitroalkene reversal of established lung fibrosis. Redox Biology, 2022, 50, 102226.	3.9	9
128	Transcriptomic sequencing reveals diverse adaptive gene expression responses of human vascular smooth muscle cells to nitro-conjugated linoleic acid. Physiological Genomics, 2018, 50, 287-295.	1.0	8
129	Endogenous generation of nitro-fatty acid hybrids having dual nitrate ester (RONO2) and nitroalkene (RNO2) substituents. Redox Biology, 2021, 41, 101913.	3.9	8
130	Lipid nitroalkene nanoparticles for the focal treatment of ischemia reperfusion. Nanotheranostics, 2022, 6, 215-229.	2.7	7
131	Insulin-like growth factor binding proteins in air- and 85% oxygen-exposed adult rat lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 274, L647-L656.	1.3	6
132	Novel Roles for Peroxynitrite in Angiotensin II and CaMKII Signaling. Scientific Reports, 2016, 6, 23416.	1.6	6
133	Fatty acid nitroalkenes inhibit the inflammatory response to bleomycin-mediated lung injury. Toxicology and Applied Pharmacology, 2020, 407, 115236.	1.3	6
134	Nitro-Oleic Acid (NO2-OA) Improves Systolic Function in Dilated Cardiomyopathy by Attenuating Myocardial Fibrosis. International Journal of Molecular Sciences, 2021, 22, 9052.	1.8	6
135	Fatty Acid Transduction of Nitric Oxide Signaling. , 2010, , 391-414.		4
136	Synthesis of an electrophilic keto-tetraene 15-oxo-Lipoxin A4 methyl ester via a MIDA boronate. Tetrahedron Letters, 2018, 59, 3524-3527.	0.7	4
137	TRP Channel Agonists Activate Different Afferent Neuromodulatory Mechanisms in Guinea Pig Urinary Bladder. Frontiers in Physiology, 2021, 12, 692719.	1.3	4
138	Immunomodulatory actions of a kynurenine-derived endogenous electrophile. Science Advances, 2022, 8, .	4.7	4
139	Electrophilic Nitro-Fatty Acids: Nitric Oxide and Nitrite-Derived Metabolic and Inflammatory Signaling Mediators. , 2017, , 213-229.		3
140	Nitro-oleic acid and epoxyoleic acid are not altered in obesity and Type 2 diabetes: reply. Cardiovascular Research, 2014, 102, 518-518.	1.8	2
141	Protein Targets and Functional Consequences of Tyrosine Nitration in Vascular Disease. , 2006, , 729-786.		1
142	Synthesis of 9- and 12-nitro conjugated linoleic acid: Regiospecific isomers of naturally occurring conjugated nitrodienes. Tetrahedron Letters, 2021, 81, 153371.	0.7	1
143	Electrophilic nitroâ€fatty acids inhibit vascular inflammation. FASEB Journal, 2013, 27, 920.10.	0.2	0
144	Electrophilic Nitroalkenes Cause Degradation of NFÎºB RelA Protein in Triple Negative Breast Cancer Cells. FASEB Journal, 2015, 29, 945.8.	0.2	0

#	Article	IF	Citations
145	Electrophilic Nitroâ€Fatty Acids Exert Cardioprotection against Hypertrophic Remodeling and Fibrosis in Pressure Overloaded Mice. FASEB Journal, 2015, 29, 640.6.	0.2	0
146	Mechanisms of Nitroalkene Inhibition of TLR4 Mediated Macrophage Activation. FASEB Journal, 2022, 36, .	0.2	0