Valerian E Kagan

List of Publications by Year
in descending order

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		3515	3173
369	41,438	90	186
papers	citations	h-index	g-index

374	374	374	35832
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. Cell, 2017, 171, 273-285.	13.5	4,081
2	Inactivation of the ferroptosis regulator Gpx4 triggers acute renal failure in mice. Nature Cell Biology, 2014, 16, 1180-1191.	4.6	2,241
3	ACSL4 dictates ferroptosis sensitivity by shaping cellular lipid composition. Nature Chemical Biology, 2017, 13, 91-98.	3.9	2,069
4	Oxidized arachidonic and adrenic PEs navigate cells to ferroptosis. Nature Chemical Biology, 2017, 13, 81-90.	3.9	1,589
5	Unusual inflammatory and fibrogenic pulmonary responses to single-walled carbon nanotubes in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L698-L708.	1.3	1,144
6	Cytochrome c acts as a cardiolipin oxygenase required for release of proapoptotic factors. Nature Chemical Biology, 2005, 1, 223-232.	3.9	1,088
7	Cardiolipin externalization to the outer mitochondrial membrane acts as an elimination signal for mitophagy in neuronal cells. Nature Cell Biology, 2013, 15, 1197-1205.	4.6	792
8	Carbon nanotubes degraded by neutrophil myeloperoxidase induce less pulmonary inflammation. Nature Nanotechnology, 2010, 5, 354-359.	15.6	698
9	PEBP1 Wardens Ferroptosis by Enabling Lipoxygenase Generation of Lipid Death Signals. Cell, 2017, 171, 628-641.e26.	13.5	589
10	Targeting Mitochondria. Accounts of Chemical Research, 2008, 41, 87-97.	7.6	560
11	Lipid accumulation and dendritic cell dysfunction in cancer. Nature Medicine, 2010, 16, 880-886.	15.2	539
12	FINO2 initiates ferroptosis through GPX4 inactivation and iron oxidation. Nature Chemical Biology, 2018, 14, 507-515.	3.9	471
13	Fatty acid transport proteinÂ2 reprograms neutrophils in cancer. Nature, 2019, 569, 73-78.	13.7	440
14	Mechanisms of carbon nanotube-induced toxicity: Focus on oxidative stress. Toxicology and Applied Pharmacology, 2012, 261, 121-133.	1.3	439
15	The multiple functions of cytochrome c and their regulation in life and death decisions of the mammalian cell: From respiration to apoptosis. Mitochondrion, 2011, 11, 369-381.	1.6	420
16	Nano-targeted induction of dual ferroptotic mechanisms eradicates high-risk neuroblastoma. Journal of Clinical Investigation, 2018, 128, 3341-3355.	3.9	406
17	Biodegradation of Single-Walled Carbon Nanotubes through Enzymatic Catalysis. Nano Letters, 2008, 8, 3899-3903.	4.5	401
18	Cytochrome c/cardiolipin relations in mitochondria: a kiss of death. Free Radical Biology and Medicine, 2009, 46, 1439-1453.	1.3	382

#	ARTICLE	IF	CITATIONS
19	Guidelines for measuring reactive oxygen species and oxidative damage in cells and in vivo. Nature Metabolism, 2022, 4, 651-662.	5.1	356
20	Dihydrolipoic acidâ€"a universal antioxidant both in the membrane and in the aqueous phase. Biochemical Pharmacology, 1992, 44, 1637-1649.	2.0	348
21	The Enzymatic Oxidation of Graphene Oxide. ACS Nano, 2011, 5, 2098-2108.	7.3	347
22	Peroxidase Activity and Structural Transitions of Cytochrome c Bound to Cardiolipin-Containing Membranes. Biochemistry, 2006, 45, 4998-5009.	1.2	346
23	Regulation of lipid peroxidation and ferroptosis in diverse species. Genes and Development, 2018, 32, 602-619.	2.7	339
24	Oxidative lipidomics of apoptosis: redox catalytic interactions of cytochrome c with cardiolipin and phosphatidylserine. Free Radical Biology and Medicine, 2004, 37, 1963-1985.	1.3	320
25	Redox lipid reprogramming commands susceptibility of macrophages and microglia to ferroptotic death. Nature Chemical Biology, 2020, 16, 278-290.	3.9	299
26	Ferroptotic cell death and TLR4/Trif signaling initiate neutrophil recruitment after heart transplantation. Journal of Clinical Investigation, 2019, 129, 2293-2304.	3.9	283
27	Mechanistic Investigations of Horseradish Peroxidase-Catalyzed Degradation of Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2009, 131, 17194-17205.	6.6	280
28	Lipidomics identifies cardiolipin oxidation as a mitochondrial target for redox therapy of brain injury. Nature Neuroscience, 2012, 15, 1407-1413.	7.1	254
29	Assessment of Antioxidant Reserves and Oxidative Stress in Cerebrospinal Fluid after Severe Traumatic Brain Injury in Infants and Children. Pediatric Research, 2002, 51, 571-578.	1.1	253
30	Single-walled Carbon Nanotubes: Geno- and Cytotoxic Effects in Lung Fibroblast V79 Cells. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2007, 70, 2071-2079.	1.1	249
31	A Role for Oxidative Stress in Apoptosis: Oxidation and Externalization of Phosphatidylserine Is Required for Macrophage Clearance of Cells Undergoing Fas-Mediated Apoptosis. Journal of Immunology, 2002, 169, 487-499.	0.4	245
32	Close Encounters of the Small Kind: Adverse Effects of Man-Made Materials Interfacing with the Nano-Cosmos of Biological Systems. Annual Review of Pharmacology and Toxicology, 2010, 50, 63-88.	4.2	226
33	Nanomedicine and nanotoxicology: two sides of the same coin. Nanomedicine: Nanotechnology, Biology, and Medicine, 2005, 1, 313-316.	1.7	220
34	Oxidative Stress Following Traumatic Brain Injury in Rats. Journal of Neurochemistry, 2002, 75, 2178-2189.	2.1	214
35	Iron catalysis of lipid peroxidation in ferroptosis: Regulated enzymatic or random free radical reaction?. Free Radical Biology and Medicine, 2019, 133, 153-161.	1.3	212
36	Oxidized Lipids Block Antigen Cross-Presentation by Dendritic Cells in Cancer. Journal of Immunology, 2014, 192, 2920-2931.	0.4	203

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37	Lipid bodies containing oxidatively truncated lipids block antigen cross-presentation by dendritic cells in cancer. Nature Communications, 2017, 8, 2122.	5.8	196
38	Ferroptosis Contributes to Neuronal Death and Functional Outcome After Traumatic Brain Injury*. Critical Care Medicine, 2019, 47, 410-418.	0.4	191
39	Cardiolipin Switch in Mitochondria:Â Shutting off the Reduction of Cytochromecand Turning on the Peroxidase Activityâ€. Biochemistry, 2007, 46, 3423-3434.	1.2	189
40	Starving Neurons Show Sex Difference in Autophagy. Journal of Biological Chemistry, 2009, 284, 2383-2396.	1.6	180
41	Biodegradation of Singleâ€Walled Carbon Nanotubes by Eosinophil Peroxidase. Small, 2013, 9, 2721-2729.	5.2	171
42	Adsorption of Surfactant Lipids by Single-Walled Carbon Nanotubes in Mouse Lung upon Pharyngeal Aspiration. ACS Nano, 2012, 6, 4147-4156.	7.3	170
43	Selective early cardiolipin peroxidation after traumatic brain injury: an oxidative lipidomics analysis. Annals of Neurology, 2007, 62, 154-169.	2.8	168
44	Phospholipase iPLA2Î² averts ferroptosis by eliminating a redox lipid death signal. Nature Chemical Biology, 2021, 17, 465-476.	3.9	168
45	Sequential Exposure to Carbon Nanotubes and Bacteria Enhances Pulmonary Inflammation and Infectivity. American Journal of Respiratory Cell and Molecular Biology, 2008, 38, 579-590.	1.4	165
46	Oxidative signaling pathway for externalization of plasma membrane phosphatidylserine during apoptosis. FEBS Letters, 2000, 477, 1-7.	1.3	162
47	Ubiquinone-Dependent Recycling of Vitamin E Radicals by Superoxide. Archives of Biochemistry and Biophysics, 1995, 323, 343-351.	1.4	159
48	Pseudomonas aeruginosa utilizes host polyunsaturated phosphatidylethanolamines to trigger theft-ferroptosis in bronchial epithelium. Journal of Clinical Investigation, 2018, 128, 4639-4653.	3.9	159
49	Peroxidase-mediated biodegradation of carbon nanotubes in vitro and in vivo. Advanced Drug Delivery Reviews, 2013, 65, 1921-1932.	6.6	158
50	In Vivo Evaluation of the Pulmonary Toxicity of Cellulose Nanocrystals: A Renewable and Sustainable Nanomaterial of the Future. ACS Sustainable Chemistry and Engineering, 2014, 2, 1691-1698.	3.2	157
51	Impaired Clearance and Enhanced Pulmonary Inflammatory/Fibrotic Response to Carbon Nanotubes in Myeloperoxidase-Deficient Mice. PLoS ONE, 2012, 7, e30923.	1.1	156
52	Thioredoxin and Lipoic Acid Catalyze the Denitrosation of Low Molecular Weight and ProteinS-Nitrosothiols. Journal of the American Chemical Society, 2005, 127, 15815-15823.	6.6	151
53	Mitochondrial Targeting of Selective Electron Scavengers:â€‰ Synthesis and Biological Analysis of Hemigramicidinâ^'TEMPO Conjugates. Journal of the American Chemical Society, 2005, 127, 12460-12461.	6.6	146
54	Vitamin E deficiency enhances pulmonary inflammatory response and oxidative stress induced by single-walled carbon nanotubes in C57BL/6 mice. Toxicology and Applied Pharmacology, 2007, 221, 339-348.	1.3	144

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55	Achieving Life through Death: Redox Biology of Lipid Peroxidation in Ferroptosis. Cell Chemical Biology, 2020, 27, 387-408.	2.5	144
56	Therapeutic hypothermia preserves antioxidant defenses after severe traumatic brain injury in infants and children*. Critical Care Medicine, 2009, 37, 689-695.	0.4	141
57	A Natural Vanishing Act: The Enzyme-Catalyzed Degradation of Carbon Nanomaterials. Accounts of Chemical Research, 2012, 45, 1770-1781.	7.6	141
58	Factoring-in agglomeration of carbon nanotubes and nanofibers for better prediction of their toxicity versus asbestos. Particle and Fibre Toxicology, 2012, 9, 10.	2.8	138
59	Dynamic regulation of cardiolipin by the lipid pump Atp8b1 determines the severity of lung injury in experimental pneumonia. Nature Medicine, 2010, 16, 1120-1127.	15.2	133
60	Antioxidant action of ubiquinol homologues with different isoprenoid chain length in biomembranes. Free Radical Biology and Medicine, 1990, 9, 117-126.	1.3	131
61	A mitochondrial pathway for biosynthesis of lipid mediators. Nature Chemistry, 2014, 6, 542-552.	6.6	130
62	Reduction of Ferrylmyoglobin and Ferrylhemoglobin by Nitric Oxide: A Protective Mechanism against Ferryl Hemoprotein-Induced Oxidations. Biochemistry, 1995, 34, 6689-6699.	1.2	129
63	Lung Macrophages â€œDigestâ€•Carbon Nanotubes Using a Superoxide/Peroxynitrite Oxidative Pathway. ACS Nano, 2014, 8, 5610-5621.	7.3	127
64	Bench-to-bedside review: Mitochondrial injury, oxidative stress and apoptosis â€“ there is nothing more practical than a good theory. Critical Care, 2008, 12, 206.	2.5	126
65	Necroptotic cell death in antiâ€cancer therapy. Immunological Reviews, 2017, 280, 207-219.	2.8	126
66	Excessive phospholipid peroxidation distinguishes ferroptosis from other cell death modes including pyroptosis. Cell Death and Disease, 2020, 11, 922.	2.7	126
67	Tocopherol Stabilizes Membrane against Phospholipase A, Free Fatty Acids, and Lysophospholipids. Annals of the New York Academy of Sciences, 1989, 570, 121-135.	1.8	125
68	Enhanced Oxidative Stress in iNOS-Deficient Mice after Traumatic Brain Injury: Support for a Neuroprotective Role of iNOS. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 673-684.	2.4	125
69	NADPH Oxidase-dependent Oxidation and Externalization of Phosphatidylserine during Apoptosis in Me2SO-differentiated HL-60 Cells. Journal of Biological Chemistry, 2002, 277, 49965-49975.	1.6	123
70	Oxidative Stress in Immature Brain after Traumatic Brain Injury. Developmental Neuroscience, 2006, 28, 420-431.	1.0	122
71	LC3 binds externalized cardiolipin on injured mitochondria to signal mitophagy in neurons. Autophagy, 2014, 10, 376-378.	4.3	122
72	Neuronal NOS-mediated nitration and inactivation of manganese superoxide dismutase in brain after experimental and human brain injury. Journal of Neurochemistry, 2006, 101, 168-181.	2.1	121

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73	Increased Ascorbate Radical Formation and Ascorbate Depletion in Plasma from Women With Preeclampsia: Implications for Oxidative Stress. Free Radical Biology and Medicine, 1997, 23, 597-609.	1.3	116
74	Direct Effects of Carbon Nanotubes on Dendritic Cells Induce Immune Suppression Upon Pulmonary Exposure. ACS Nano, 2011, 5, 5755-5762.	7.3	116
75	Cardiolipin Interactions with Proteins. Biophysical Journal, 2015, 109, 1282-1294.	0.2	116
76	Elevated Levels of S -Nitrosoalbumin in Preeclampsia Plasma. Circulation Research, 2001, 88, 1210-1215.	2.0	113
77	Macrophage recognition of externalized phosphatidylserine and phagocytosis of apoptotic Jurkat cellsâ€"existence of a threshold. Archives of Biochemistry and Biophysics, 2003, 413, 41-52.	1.4	111
78	The Hierarchy of Structural Transitions Induced in Cytochrome c by Anionic Phospholipids Determines Its Peroxidase Activation and Selective Peroxidation during Apoptosis in Cells. Biochemistry, 2007, 46, 14232-14244.	1.2	110
79	Cardiolipin asymmetry, oxidation and signaling. Chemistry and Physics of Lipids, 2014, 179, 64-69.	1.5	109
80	Phosphatidylserine Targets Single-Walled Carbon Nanotubes to Professional Phagocytes In Vitro and In Vivo. PLoS ONE, 2009, 4, e4398.	1.1	108
81	Massâ€spectrometry based oxidative lipidomics and lipid imaging: applications in traumatic brain injury. Journal of Neurochemistry, 2010, 115, 1322-1336.	2.1	106
82	Long-term effects of carbon containing engineered nanomaterials and asbestos in the lung: one year postexposure comparisons. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L170-L182.	1.3	104
83	Ferroptotic cell death triggered by conjugated linolenic acids is mediated by ACSL1. Nature Communications, 2021, 12, 2244.	5.8	104
84	Orphan Nuclear Receptor Pregnane X Receptor Sensitizes Oxidative Stress Responses in Transgenic Mice and Cancerous Cells. Molecular Endocrinology, 2006, 20, 279-290.	3.7	103
85	Mitochondrial targeting of electron scavenging antioxidants: Regulation of selective oxidation vs random chain reactionsâ˜†. Advanced Drug Delivery Reviews, 2009, 61, 1375-1385.	6.6	103
86	Aberrant Expression of Myeloperoxidase in Astrocytes Promotes Phospholipid Oxidation and Memory Deficits in a Mouse Model of Alzheimer Disease. Journal of Biological Chemistry, 2009, 284, 3158-3169.	1.6	102
87	Iron Chaperone Poly rC Binding Protein 1 Protects Mouse Liver From Lipid Peroxidation and Steatosis. Hepatology, 2021, 73, 1176-1193.	3.6	101
88	Microsomal Glutathione Transferase 1 Protects Against Toxicity Induced by Silica Nanoparticles but Not by Zinc Oxide Nanoparticles. ACS Nano, 2012, 6, 1925-1938.	7.3	100
89	PLA2G6 guards placental trophoblasts against ferroptotic injury. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27319-27328.	3.3	98
90	Screening of Biochemical and Molecular Mechanisms of Secondary Injury and Repair in the Brain after Experimental Blast-Induced Traumatic Brain Injury in Rats. Journal of Neurotrauma, 2013, 30, 920-937.	1.7	96

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91	Estrogen and Tamoxifen Metabolites Protect Smooth Muscle Cell Membrane Phospholipids Against Peroxidation and Inhibit Cell Growth. Circulation Research, 1999, 84, 229-239.	2.0	95
92	The mito-DAMP cardiolipin blocks IL-10 production causing persistent inflammation during bacterial pneumonia. Nature Communications, 2017, 8, 13944.	5.8	94
93	Known unknowns of cardiolipin signaling: The best is yet to come. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 8-24.	1.2	94
94	Disruption of the M80-Fe ligation stimulates the translocation of cytochrome c to the cytoplasm and nucleus in nonapoptotic cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2653-2658.	3.3	93
95	Mitochondria and microsomal membranes have a free radical reductase activity that prevents chromanoxyl radical accumulation. Biochemical and Biophysical Research Communications, 1989, 159, 229-235.	1.0	92
96	Mapping of phospholipids by MALDI imaging (MALDI-MSI): realities and expectations. Chemistry and Physics of Lipids, 2012, 165, 545-562.	1.5	92
97	Dual Function of Mitochondrial Nm23-H4 Protein in Phosphotransfer and Intermembrane Lipid Transfer. Journal of Biological Chemistry, 2013, 288, 111-121.	1.6	92
98	A mitochondria-targeted inhibitor of cytochrome c peroxidase mitigates radiation-induced death. Nature Communications, 2011, 2, 497.	5.8	91
99	Redox Cycling of Phenol Induces Oxidative Stress in Human Epidermal Keratinocytes. Journal of Investigative Dermatology, 2000, 114, 354-364.	0.3	89
100	Manganese superoxide dismutase-plasmid/liposome (MnSOD-PL) administration protects mice from esophagitis associated with fractionated radiation. International Journal of Cancer, 2001, 96, 221-231.	2.3	89
101	Enzymatic oxidative biodegradation of nanoparticles: Mechanisms, significance and applications. Toxicology and Applied Pharmacology, 2016, 299, 58-69.	1.3	89
102	Oxidation of phosphatidylserine: a mechanism for plasma membrane phospholipid scrambling during apoptosis?. Biochemical and Biophysical Research Communications, 2004, 324, 1059-1064.	1.0	88
103	Nitric Oxide Inhibits Peroxidase Activity of Cytochrome cÂ· Cardiolipin Complex and Blocks Cardiolipin Oxidation. Journal of Biological Chemistry, 2006, 281, 14554-14562.	1.6	88
104	Elucidating the contribution of mitochondrial glutathione to ferroptosis in cardiomyocytes. Redox Biology, 2021, 45, 102021.	3.9	88
105	Peroxidase Activity of HemoglobinÂ·Haptoglobin Complexes. Journal of Biological Chemistry, 2009, 284, 30395-30407.	1.6	86
106	Peroxidase Mechanism of Lipid-dependent Cross-linking of Synuclein with Cytochrome c. Journal of Biological Chemistry, 2009, 284, 15951-15969.	1.6	86
107	Direct Evidence for Antioxidant Effect of Bcl-2 in PC12 Rat Pheochromocytoma Cells. Archives of Biochemistry and Biophysics, 1997, 344, 413-423.	1.4	84
108	Oxidative lipidomics of Î³-irradiation-induced intestinal injury. Free Radical Biology and Medicine, 2008, 44, 299-314.	1.3	84

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109	Recycling and antioxidant activity of tocopherol homologs of differing hydrocarbon chain lengths in liver microsomes. Archives of Biochemistry and Biophysics, 1990, 282, 221-225.	1.4	82
110	Isolation of human trophoblastic extracellular vesicles and characterization of their cargo and antiviral activity. Placenta, 2016, 47, 86-95.	0.7	82
111	Mitochondriaâ€targeted disruptors and inhibitors of cytochrome c/cardiolipin peroxidase complexes: A new strategy in antiâ€apoptotic drug discovery. Molecular Nutrition and Food Research, 2009, 53, 104-114.	1.5	81
112	Treatment With a Novel Hemigramicidin-TEMPO Conjugate Prolongs Survival in a Rat Model of Lethal Hemorrhagic Shock. Annals of Surgery, 2007, 245, 305-314.	2.1	80
113	Structural Requirements for Optimized Delivery, Inhibition of Oxidative Stress, and Antiapoptotic Activity of Targeted Nitroxides. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 1050-1060.	1.3	80
114	A Mitochondria-Targeted Nitroxide/Hemigramicidin S Conjugate Protects Mouse Embryonic Cells Against Gamma Irradiation. International Journal of Radiation Oncology Biology Physics, 2008, 70, 816-825.	0.4	80
115	Oxidative Stress and Dermal Toxicity of Iron Oxide Nanoparticles In Vitro. Cell Biochemistry and Biophysics, 2013, 67, 461-476.	0.9	80
116	The hydrogen-peroxide-induced radical behaviour in human cytochrome câ€“phospholipid complexes: implications for the enhanced pro-apoptotic activity of the G41S mutant. Biochemical Journal, 2013, 456, 441-452.	1.7	79
117	Copper chelation selectively kills colon cancer cells through redox cycling and generation of reactive oxygen species. BMC Cancer, 2014, 14, 527.	1.1	79
118	Hemigramicidinâ€“TEMPO conjugates: Novel mitochondria-targeted anti-oxidants. Biochemical Pharmacology, 2007, 74, 801-809.	2.0	77
119	Phosphomimetic Substitution of CytochromecTyrosine 48 Decreases Respiration and Binding to Cardiolipin and Abolishes Ability to Trigger Downstream Caspase Activation. Biochemistry, 2010, 49, 6705-6714.	1.2	77
120	Mechanisms of Cardiolipin Oxidation by Cytochrome c: Relevance to Pro- and Antiapoptotic Functions of Etoposide. Molecular Pharmacology, 2006, 70, 706-717.	1.0	76
121	Massâ€spectrometric characterization of phospholipids and their primary peroxidation products in rat cortical neurons during staurosporineâ€induced apoptosis. Journal of Neurochemistry, 2008, 107, 1614-1633.	2.1	76
122	A Mitochondria-Targeted Triphenylphosphonium-Conjugated Nitroxide Functions as a Radioprotector/Mitigator. Radiation Research, 2009, 172, 706-717.	0.7	76
123	Graphene Oxide, But Not Fullerenes, Targets Immunoproteasomes and Suppresses Antigen Presentation by Dendritic Cells. Small, 2013, 9, 1686-1690.	5.2	75
124	Structural Changes and Proapoptotic Peroxidase Activity of Cardiolipin-Bound Mitochondrial Cytochrome c. Biophysical Journal, 2015, 109, 1873-1884.	0.2	75
125	Mechanism-Based Chemopreventive Strategies Against Etoposide-Induced Acute Myeloid Leukemia: Free Radical/Antioxidant Approach. Molecular Pharmacology, 1999, 56, 494-506.	1.0	74
126	Nitrosative Stress Inhibits the Aminophospholipid Translocase Resulting in Phosphatidylserine Externalization and Macrophage Engulfment. Journal of Biological Chemistry, 2007, 282, 8498-8509.	1.6	74

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127	Intracellular S-Glutathionyl Adducts in Murine Lung and Human Bronchoepithelial Cells after Exposure to Diisocyanatotoluene. Chemical Research in Toxicology, 1999, 12, 931-936.	1.7	73
128	Interplay between bax, reactive oxygen species production, and cardiolipin oxidation during apoptosis. Biochemical and Biophysical Research Communications, 2008, 368, 145-150.	1.0	73
129	Oxidative lipidomics of hyperoxic acute lung injury: mass spectrometric characterization of cardiolipin and phosphatidylserine peroxidation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 299, L73-L85.	1.3	73
130	Random versus Selective Membrane Phospholipid Oxidation in Apoptosis:â€‰ Role of Phosphatidylserine. Biochemistry, 1998, 37, 13781-13790.	1.2	72
131	Polymorphonuclear myeloid-derived suppressor cells limit antigen cross-presentation by dendritic cells in cancer. JCI Insight, 2020, 5, .	2.3	72
132	Cardiolipin-Dependent Mitophagy Guides Outcome after Traumatic Brain Injury. Journal of Neuroscience, 2019, 39, 1930-1943.	1.7	71
133	Ascorbate Is the Primary Reductant of the Phenoxyl Radical of Etoposide in the Presence of Thiols both in Cell Homogenates and in Model Systems. Biochemistry, 1994, 33, 9651-9660.	1.2	70
134	Non-random peroxidation of different classes of membrane phospholipids in live cells detected by metabolically integrated cis-parinaric acid. Biochimica Et Biophysica Acta - Biomembranes, 1996, 1283, 127-140.	1.4	70
135	Nitric Oxide Prevents Oxidative Damage Produced bytert-Butyl Hydroperoxide in Erythroleukemia Cells via Nitrosylation of Heme and Non-heme Iron. Journal of Biological Chemistry, 1997, 272, 12328-12341.	1.6	70
136	Oxidative Lipidomics of Î³-Radiation-Induced Lung Injury: Mass Spectrometric Characterization of Cardiolipin and Phosphatidylserine Peroxidation. Radiation Research, 2011, 175, 610.	0.7	70
137	Antioxidant Tempol Enhances Hypothermic Cerebral Preservation during Prolonged Cardiac Arrest in Dogs. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 105-117.	2.4	69
138	Lipid Antioxidant, Etoposide, Inhibits Phosphatidylserine Externalization and Macrophage Clearance of Apoptotic Cells by Preventing Phosphatidylserine Oxidation. Journal of Biological Chemistry, 2004, 279, 6056-6064.	1.6	68
139	Involvement of a functional NADPH oxidase in neutrophils and macrophages during programmed cell clearance: implications for chronic granulomatous disease. American Journal of Physiology - Cell Physiology, 2009, 297, C621-C631.	2.1	68
140	Gas Cluster Ion Beam Time-of-Flight Secondary Ion Mass Spectrometry High-Resolution Imaging of Cardiolipin Speciation in the Brain: Identification of Molecular Losses after Traumatic Injury. Analytical Chemistry, 2017, 89, 4611-4619.	3.2	68
141	Resolving the paradox of ferroptotic cell death: Ferrostatin-1 binds to 15LOX/PEBP1 complex, suppresses generation of peroxidized ETE-PE, and protects against ferroptosis. Redox Biology, 2021, 38, 101744.	3.9	67
142	Nitroxides Scavenge Myeloperoxidase-Catalyzed Thiyl Radicals in Model Systems and in Cells. Journal of the American Chemical Society, 2004, 126, 9221-9232.	6.6	66
143	Cardiolipin deficiency leads to decreased cardiolipin peroxidation and increased resistance of cells to apoptosis. Free Radical Biology and Medicine, 2008, 44, 1935-1944.	1.3	66
144	Hemigramicidin-TEMPO conjugates: Novel mitochondria-targeted antioxidants. Critical Care Medicine, 2007, 35, S461-S467.	0.4	65

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145	Global Phospholipidomics Analysis Reveals Selective Pulmonary Peroxidation Profiles upon Inhalation of Single-Walled Carbon Nanotubes. ACS Nano, 2011, 5, 7342-7353.	7.3	64
146	Topography of tyrosine residues and their involvement in peroxidation of polyunsaturated cardiolipin in cytochrome c/cardiolipin peroxidase complexes. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2147-2155.	1.4	64
147	Gender differences in murine pulmonary responses elicited by cellulose nanocrystals. Particle and Fibre Toxicology, 2015, 13, 28.	2.8	64
148	Mass-spectrometric analysis of hydroperoxy- and hydroxy-derivatives of cardiolipin and phosphatidylserine in cells and tissues induced by pro-apoptotic and pro-inflammatory stimuli. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2863-2872.	1.2	63
149	Two Strategies for the Development of Mitochondrion-Targeted Small Molecule Radiation Damage Mitigators. International Journal of Radiation Oncology Biology Physics, 2011, 80, 860-868.	0.4	63
150	Empowerment of 15-Lipoxygenase Catalytic Competence in Selective Oxidation of Membrane ETE-PE to Ferroptotic Death Signals, HpETE-PE. Journal of the American Chemical Society, 2018, 140, 17835-17839.	6.6	63
151	Oxidized phospholipid signaling in traumatic brain injury. Free Radical Biology and Medicine, 2018, 124, 493-503.	1.3	63
152	Heterolytic Reduction of Fatty Acid Hydroperoxides by Cytochrome c/Cardiolipin Complexes: Antioxidant Function in Mitochondria. Journal of the American Chemical Society, 2009, 131, 11288-11289.	6.6	62
153	Dichotomous roles for externalized cardiolipin in extracellular signaling: Promotion of phagocytosis and attenuation of innate immunity. Science Signaling, 2015, 8, ra95.	1.6	62
154	Carbon Nanotubes Enhance Metastatic Growth of Lung Carcinoma via Upâ€Regulation of Myeloidâ€Derived Suppressor Cells. Small, 2013, 9, 1691-1695.	5.2	61
155	Repetitive Mild Traumatic Brain Injury in the Developing Brain: Effects on Long-Term Functional Outcome and Neuropathology. Journal of Neurotrauma, 2016, 33, 641-651.	1.7	61
156	Redox Regulation of Copperâ€“Metallothionein. Archives of Biochemistry and Biophysics, 1999, 363, 171-181.	1.4	60
157	Minocycline Reduces Neuronal Death and Attenuates Microglial Response after Pediatric Asphyxial Cardiac Arrest. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 119-129.	2.4	59
158	Antioxidant Mechanisms of Nitric Oxide Against Iron-Catalyzed Oxidative Stress in Cells. Antioxidants and Redox Signaling, 2001, 3, 189-202.	2.5	58
159	Glutathione Propagates Oxidative Stress Triggered by Myeloperoxidase in HL-60 Cells. Journal of Biological Chemistry, 2004, 279, 23453-23462.	1.6	58
160	Arachidonic acid-induced carbon-centered radicals and phospholipid peroxidation in cyclo-oxygenase-2-transfected PC12 cells. Journal of Neurochemistry, 2004, 90, 1036-1049.	2.1	58
161	S-Nitrosoalbuminâ€“Mediated Relaxation Is Enhanced by Ascorbate and Copper. Hypertension, 2005, 45, 21-27.	1.3	58
162	Chapter Nineteen Oxidative Lipidomics of Programmed Cell Death. Methods in Enzymology, 2008, 442, 375-393.	0.4	58

#	Article	IF	Citations
163	Phosphatidylserine peroxidation/externalization during staurosporine-induced apoptosis in HL-60 cells. FEBS Letters, 2002, 524, 25-30.	1.3	57
164	Increased Myeloperoxidase in the Placenta and Circulation of Women With Preeclampsia. Hypertension, 2008, 52, 387-393.	1.3	57
165	Oxidized phospholipids as biomarkers of tissue and cell damage with a focus on cardiolipin. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2413-2423.	1.4	57
166	Secondaryâ€ion Mass Spectrometry Images Cardiolipins and Phosphatidylethanolamines at the Subcellular Level. Angewandte Chemie - International Edition, 2019, 58, 3156-3161.	7.2	57
167	PEBP1 acts as a rheostat between prosurvival autophagy and ferroptotic death in asthmatic epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14376-14385.	3.3	57
168	Phospholipids of APOE lipoproteins activate microglia in an isoform-specific manner in preclinical models of Alzheimerâ€™s disease. Nature Communications, 2021, 12, 3416.	5.8	57
169	Myeloperoxidase-catalyzed redox-cycling of phenol promotes lipid peroxidation and thiol oxidation in HL-60 cells. Free Radical Biology and Medicine, 1999, 27, 1050-1063.	1.3	56
170	Neuroprotective effects of TEMPOL in central and peripheral nervous system models of Parkinson's disease. Biochemical Pharmacology, 2005, 70, 1371-1381.	2.0	56
171	Phosphorylation of Cytochrome c Threonine 28 Regulates Electron Transport Chain Activity in Kidney. Journal of Biological Chemistry, 2017, 292, 64-79.	1.6	55
172	Lipidomics and RNA sequencing reveal a novel subpopulation of nanovesicle within extracellular matrix biomaterials. Science Advances, 2020, 6, eaay4361.	4.7	54
173	Plasma membrane NADH-coenzyme Q0 reductase generates semiquinone radicals and recycles vitamin E homologue in a superoxide-dependent reaction. FEBS Letters, 1998, 428, 43-46.	1.3	53
174	Apoptosis and macrophage clearance of neutrophils: regulation by reactive oxygen species. Redox Report, 2003, 8, 143-150.	1.4	53
175	Peroxidation and externalization of phosphatidylserine associated with release of cytochrome c from mitochondria. Free Radical Biology and Medicine, 2003, 35, 814-825.	1.3	52
176	Cardiolipin-Specific Peroxidase Reactions of Cytochrome c in Mitochondria During Irradiation-Induced Apoptosis. International Journal of Radiation Oncology Biology Physics, 2007, 69, 176-186.	0.4	52
177	Single-walled carbon nanotubes impair human macrophage engulfment of apoptotic cell corpses. Inhalation Toxicology, 2009, 21, 131-136.	0.8	52
178	Molecular modeling in structural nano-toxicology: Interactions of nano-particles with nano-machinery of cells. Advanced Drug Delivery Reviews, 2013, 65, 2070-2077.	6.6	52
179	N-acetylcysteine does not prevent hepatorenal ischaemia-reperfusion injury in patients undergoing orthotopic liver transplantation. Nephrology Dialysis Transplantation, 2010, 25, 2328-2333.	0.4	51
180	Graphene Oxide Attenuates Th2-Type Immune Responses, but Augments Airway Remodeling and Hyperresponsiveness in a Murine Model of Asthma. ACS Nano, 2014, 8, 5585-5599.	7.3	51

#	Article	IF	Citations
181	Defects of Lipid Synthesis Are Linked to the Age-Dependent Demyelination Caused by Lamin B1 Overexpression. Journal of Neuroscience, 2015, 35, 12002-12017.	1.7	51
182	Deciphering of Mitochondrial Cardiolipin Oxidative Signaling in Cerebral Ischemia-Reperfusion. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 319-328.	2.4	51
183	Biodiesel versus diesel exposure: Enhanced pulmonary inflammation, oxidative stress, and differential morphological changes in the mouse lung. Toxicology and Applied Pharmacology, 2013, 272, 373-383.	1.3	50
184	Effect of antioxidants on enzyme-catalysed biodegradation of carbon nanotubes. Journal of Materials Chemistry B, 2013, 1, 302-309.	2.9	50
185	Cardiolipin Signaling Mechanisms: Collapse of Asymmetry and Oxidation. Antioxidants and Redox Signaling, 2015, 22, 1667-1680.	2.5	50
186	MDSC and TGFÎ² Are Required for Facilitation of Tumor Growth in the Lungs of Mice Exposed to Carbon Nanotubes. Cancer Research, 2015, 75, 1615-1623.	0.4	50
187	Detection and Characterization of the Electron Paramagnetic Resonance-Silent Glutathionyl-5,5-dimethyl-1-pyrrolineN-Oxide Adduct Derived from Redox Cycling of Phenoxyl Radicals in Model Systems and HL-60 Cells. Archives of Biochemistry and Biophysics, 1996, 330, 3-11.	1.4	48
188	Prokineticin-2 prevents neuronal cell deaths in a model of traumatic brain injury. Nature Communications, 2021, 12, 4220.	5.8	48
189	Overexpression of metallothionein decreases sensitivity of pulmonary endothelial cells to oxidant injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1997, 273, L856-L865.	1.3	47
190	Keratinocyte death by ferroptosis initiates skin inflammation after UVB exposure. Redox Biology, 2021, 47, 102143.	3.9	47
191	Reduction of Phenoxyl Radicals by Thioredoxin Results in Selective Oxidation of Its SH-Groups to Disulfides. An Antioxidant Function of Thioredoxin. Biochemistry, 1995, 34, 4765-4772.	1.2	46
192	Ascorbate as a â€œredox sensorâ€•and protector against irradiation-induced oxidative stress in 32D CL 3 hematopoietic cells and subclones overexpressing human manganese superoxide dismutase. International Journal of Radiation Oncology Biology Physics, 2004, 58, 851-861.	0.4	45
193	Î±-Synuclein Levels Are Elevated in Cerebrospinal Fluid following Traumatic Brain Injury in Infants and Children: The Effect of Therapeutic Hypothermia. Developmental Neuroscience, 2010, 32, 385-395.	1.0	45
194	E3 Ligase Subunit Fbxo15 and PINK1 Kinase Regulate Cardiolipin Synthase 1 Stability and Mitochondrial Function in Pneumonia. Cell Reports, 2014, 7, 476-487.	2.9	45
195	15LO1 dictates glutathione redox changes in asthmatic airway epithelium to worsen type 2 inflammation. Journal of Clinical Investigation, 2022, 132, .	3.9	45
196	Long-chain Acyl-CoA Dehydrogenase Deficiency as a Cause of Pulmonary Surfactant Dysfunction. Journal of Biological Chemistry, 2014, 289, 10668-10679.	1.6	44
197	Defect-Induced Near-Infrared Photoluminescence of Single-Walled Carbon Nanotubes Treated with Polyunsaturated Fatty Acids. Journal of the American Chemical Society, 2017, 139, 4859-4865.	6.6	44
198	Redox phospholipidomics of enzymatically generated oxygenated phospholipids as specific signals of programmed cell death. Free Radical Biology and Medicine, 2020, 147, 231-241.	1.3	44

#	Article	IF	Citations
199	The mitochondria-targeted nitroxide JP4-039 augments potentially lethal irradiation damage repair. In Vivo, 2009, 23, 717-26.	0.6	44
200	Interaction between 6-Hydroxydopamine and Transferrin:Â â€œLet My Iron Goâ€â€. Biochemistry, 2000, 39, 3392-3400.	1.2	42
201	The Plasma Membrane Is the Site of Selective Phosphatidylserine Oxidation During Apoptosis: Role of Cytochromec. Antioxidants and Redox Signaling, 2004, 6, 209-225.	2.5	42
202	Imaging mass spectrometry reveals loss of polyunsaturated cardiolipins in the cortical contusion, hippocampus, and thalamus after traumatic brain injury. Journal of Neurochemistry, 2016, 139, 659-675.	2.1	41
203	Nitric Oxide Protects Cardiomyocytes againsttert-Butyl Hydroperoxide-Induced Formation of Alkoxyl and Peroxyl Radicals and Peroxidation of Phosphatidylserine. Biochemical and Biophysical Research Communications, 1998, 244, 647-651.	1.0	40
204	Designing inhibitors of cytochrome c/cardiolipin peroxidase complexes: mitochondria-targeted imidazole-substituted fatty acids. Free Radical Biology and Medicine, 2014, 71, 221-230.	1.3	40
205	A new thiol-independent mechanism of epithelial host defense against Pseudomonas aeruginosa: iNOS/NOâ€¢ sabotage of theft-ferroptosis. Redox Biology, 2021, 45, 102045.	3.9	40
206	Nitric Oxide Dissociates Lipid Oxidation from Apoptosis and Phosphatidylserine Externalization during Oxidative Stress. Biochemistry, 2000, 39, 127-138.	1.2	39
207	Induction of caspase- and reactive oxygen species-independent phosphatidylserine externalization in primary human neutrophils: role in macrophage recognition and engulfment. Journal of Leukocyte Biology, 2009, 85, 427-437.	1.5	39
208	Normoxic versus hyperoxic resuscitation in pediatric asphyxial cardiac arrest: Effects on oxidative stress. Critical Care Medicine, 2011, 39, 335-343.	0.4	39
209	Mitochondrial Injury after Mechanical Stretch of Cortical Neuronsin vitro: Biomarkers of Apoptosis and Selective Peroxidation of Anionic Phospholipids. Journal of Neurotrauma, 2012, 29, 776-788.	1.7	39
210	Characterization of cardiolipins and their oxidation products by LCâ€“MS analysis. Chemistry and Physics of Lipids, 2014, 179, 3-10.	1.5	39
211	Selective Peroxidation and Externalization of Phosphatidylserine in Normal Human Epidermal Keratinocytes During Oxidative Stress Induced by Cumene Hydroperoxide. Journal of Investigative Dermatology, 2002, 118, 1008-1018.	0.3	38
212	Lipid antioxidants: free radical scavenging <i>versus</i> regulation of enzymatic lipid peroxidation. Journal of Clinical Biochemistry and Nutrition, 2010, 48, 91-95.	0.6	38
213	Direct Mapping of Phospholipid Ferroptotic Death Signals in Cells and Tissues by Gas Cluster Ion Beam Secondary Ion Mass Spectrometry (GCIBâ€SIMS). Angewandte Chemie - International Edition, 2021, 60, 11784-11788.	7.2	38
214	Successive High-Resolution (H₂O)_n-GCIB and C₆₀-SIMS Imaging Integrates Multi-Omics in Different Cell Types in Breast Cancer Tissue. Analytical Chemistry, 2021, 93, 8143-8151.	3.2	38
215	A Topical Mitochondria-Targeted Redox-Cycling Nitroxide Mitigates Oxidative Stress-Induced Skin Damage. Journal of Investigative Dermatology, 2017, 137, 576-586.	0.3	37
216	Cytochrome c release is required for phosphatidylserine peroxidation during fas-triggered apoptosis in lung epithelial A549 cells. Lipids, 2004, 39, 1133-1142.	0.7	36

#	Article	IF	Citations
217	Nano-Gold Corking and Enzymatic Uncorking of Carbon Nanotube Cups. Journal of the American Chemical Society, 2015, 137, 675-684.	6.6	36
218	Reconstitution of Apo-Superoxide Dismutase by Nitric Oxide-Induced Copper Transfer from Metallothioneins. Chemical Research in Toxicology, 2000, 13, 922-931.	1.7	35
219	â€œRedox lipidomics technology: Looking for a needle in a haystackâ€• Chemistry and Physics of Lipids, 2019, 221, 93-107.	1.5	35
220	Oxidative Lipidomics of Apoptosis: Quantitative Assessment of Phospholipid Hydroperoxides in Cells and Tissues. Methods in Molecular Biology, 2010, 610, 353-374.	0.4	34
221	Characterization of Differential Dynamics, Specificity, and Allostery of Lipoxygenase Family Members. Journal of Chemical Information and Modeling, 2019, 59, 2496-2508.	2.5	34
222	Mitochondrial damage & lipid signaling in traumatic brain injury. Experimental Neurology, 2020, 329, 113307.	2.0	34
223	NADH and NADPH-Dependent Reduction of Coenzyme Q at the Plasma Membrane. Antioxidants and Redox Signaling, 2000, 2, 251-262.	2.5	33
224	Increased S-Nitrosothiols and S-Nitrosoalbumin in Cerebrospinal Fluid after Severe Traumatic Brain Injury in Infants and Children: Indirect Association with Intracranial Pressure. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 51-61.	2.4	33
225	Assessments of Thiyl Radicals in Biosystems: Difficulties and New Applications. Analytical Chemistry, 2011, 83, 6432-6438.	3.2	33
226	â€œOnly a Life Lived for Others Is Worth Livingâ€• Redox Signaling by Oxygenated Phospholipids in Cell Fate Decisions. Antioxidants and Redox Signaling, 2018, 29, 1333-1358.	2.5	33
227	Redox (phospho)lipidomics of signaling in inflammation and programmed cell death. Journal of Leukocyte Biology, 2019, 106, 57-81.	1.5	33
228	Syrian hamsters as a model of lung injury with SARS-CoV-2 infection: Pathologic, physiologic, and detailed molecular profiling. Translational Research, 2022, 240, 1-16.	2.2	33
229	Serum Total Antioxidant Activity in Relative Hypo- and Hypercholesterolemia. Free Radical Research, 1996, 25, 239-245.	1.5	32
230	Nitric Oxide and Zinc Homeostasis in Acute Lung Injury. Proceedings of the American Thoracic Society, 2005, 2, 236-242.	3.5	32
231	Structural characterization of cardiolipin-driven activation of cytochrome c into a peroxidase and membrane perturbation. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1057-1068.	1.4	32
232	Glutamate-induced cytotoxicity in PC12 pheochromocytoma cells: role of oxidation of phospholipids, glutathione and protein sulfhydryls revealed by bcl-2 transfection. Molecular Brain Research, 1998, 60, 270-281.	2.5	31
233	Toward Mechanismâ€based Antioxidant Interventions. Annals of the New York Academy of Sciences, 2002, 959, 188-198.	1.8	31
234	Dual Acute Proinflammatory and Antifibrotic Pulmonary Effects of Short Palate, Lung, and Nasal Epithelium Cloneâ€“1 after Exposure to Carbon Nanotubes. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 759-767.	1.4	31

#	Article	IF	Citations
235	TNFR1/Phox Interaction and TNFR1 Mitochondrial Translocation Thwart Silica-Induced Pulmonary Fibrosis. Journal of Immunology, 2014, 192, 3837-3846.	0.4	31
236	Paths to Successful Translation of New Therapies for Severe Traumatic Brain Injury in the Golden Age of Traumatic Brain Injury Research: A Pittsburgh Vision. Journal of Neurotrauma, 2020, 37, 2353-2371.	1.7	31
237	Stressed erythrophagocytosis induces immunosuppression during sepsis through heme-mediated STAT1 dysregulation. Journal of Clinical Investigation, 2021, 131, .	3.9	31
238	Disentangling oxidation/hydrolysis reactions of brain mitochondrial cardiolipins in pathogenesis of traumatic injury. JCI Insight, 2018, 3, .	2.3	31
239	Antioxidant and Antiapoptotic Function of Metallothioneins in HL-60 Cells Challenged with Copper Nitrilotriacetate. Chemical Research in Toxicology, 2000, 13, 1275-1286.	1.7	30
240	Peroxidase activation of cytoglobin by anionic phospholipids: Mechanisms and consequences. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 391-401.	1.2	30
241	[36] Antioxidant activity of Î±-Tocopherol, Î²-carotene, and ubiquinol in membranes: cis-parinaric acid-incorporated liposomes. Methods in Enzymology, 1994, 234, 371-383.	0.4	29
242	Nitric oxide-dependent pro-oxidant and pro-apoptotic effect of metallothioneins in HL-60 cells challenged with cupric nitrilotriacetate. Biochemical Journal, 2001, 354, 397-406.	1.7	29
243	NME4/nucleoside diphosphate kinase D in cardiolipin signaling and mitophagy. Laboratory Investigation, 2018, 98, 228-232.	1.7	29
244	Mitochondria modulate programmed neuritic retraction. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 650-659.	3.3	29
245	Selective oxidation and externalization of membrane phosphatidylserine: Bcl-2-induced potentiation of the final common pathway for apoptosis. Brain Research, 1999, 831, 125-130.	1.1	28
246	Peroxidase-Catalyzed Pro- versus Antioxidant Effects of 4-Hydroxytamoxifen:â€‰ Enzyme Specificity and Biochemical Sequelae. Chemical Research in Toxicology, 1999, 12, 28-37.	1.7	28
247	The intracellular domain of p75NTR as a determinant of cellular reducing potential and response to oxidant stress. Aging Cell, 2005, 4, 187-196.	3.0	28
248	CD36 Provides Host Protection AgainstKlebsiella pneumoniaeIntrapulmonary Infection by Enhancing Lipopolysaccharide Responsiveness and Macrophage Phagocytosis. Journal of Infectious Diseases, 2016, 214, 1865-1875.	1.9	28
249	Surface-Binding to Cardiolipin Nanodomains Triggers Cytochrome c Pro-apoptotic Peroxidase Activity via Localized Dynamics. Structure, 2019, 27, 806-815.e4.	1.6	28
250	Ferroptosis induces membrane blebbing in placental trophoblasts. Journal of Cell Science, 2022, 135, .	1.2	28
251	NO-Redox Paradox: Direct Oxidation of Î±-Tocopherol and Î±-Tocopherol-Mediated Oxidation of Ascorbate. Biochemical and Biophysical Research Communications, 1996, 219, 835-841.	1.0	27
252	An epigrammatic (abridged) recounting of the myriad tales of astonishing deeds and dire consequences pertaining to nitric oxide and reactive oxygen species in mitochondria with an ancillary missive concerning the origins of apoptosis. Toxicology, 2005, 208, 259-271.	2.0	27

#	Article	IF	Citations
253	Mitochondriaâ€targeted (2â€hydroxyaminoâ€vinyl)â€triphenylâ€phosphonium releases NO and protects mouse embryonic cells against irradiationâ€induced apoptosis. FEBS Letters, 2009, 583, 1945-1950.	1.3	27
254	Myeloperoxidase-Dependent Oxidation of Etoposide in Human Myeloid Progenitor CD34⁺Cells. Molecular Pharmacology, 2011, 79, 479-487.	1.0	27
255	Mitochondria targeting of nonâ€peroxidizable triphenylphosphonium conjugated oleic acid protects mouse embryonic cells against apoptosis: Role of cardiolipin remodeling. FEBS Letters, 2012, 586, 235-241.	1.3	27
256	LC/MS characterization of rotenone induced cardiolipin oxidation in human lymphocytes: Implications for mitochondrial dysfunction associated with Parkinson's disease. Molecular Nutrition and Food Research, 2013, 57, 1410-1422.	1.5	27
257	Mild mitochondrial metabolic deficits by Î±-ketoglutarate dehydrogenase inhibition cause prominent changes in intracellular autophagic signaling: Potential role in the pathobiology of Alzheimer's disease. Neurochemistry International, 2016, 96, 32-45.	1.9	27
258	The cyclooxygenase site, but not the peroxidase site of cyclooxygenaseâ€2 is required for neurotoxicity in hypoxic and ischemic injury. Journal of Neurochemistry, 2010, 113, 965-977.	2.1	26
259	A Manganeseâ€“Porphyrin Complex Decomposes H₂O₂, Inhibits Apoptosis, and Acts as a Radiation Mitigator in Vivo. ACS Medicinal Chemistry Letters, 2011, 2, 814-817.	1.3	26
260	Molecular speciation and dynamics of oxidized triacylglycerols in lipid droplets: Mass spectrometry and coarse-grained simulations. Free Radical Biology and Medicine, 2014, 76, 53-60.	1.3	26
261	Aiming for the target: Mitochondrial drug delivery in traumatic brain injury. Neuropharmacology, 2019, 145, 209-219.	2.0	26
262	Serineâ€47 phosphorylation of cytochrome c in the mammalian brain regulates cytochrome c oxidase and caspaseâ€3 activity. FASEB Journal, 2019, 33, 13503-13514.	0.2	26
263	C-ferroptosis is an iron-dependent form of regulated cell death in cyanobacteria. Journal of Cell Biology, 2022, 221, .	2.3	26
264	Nitric oxide-dependent pro-oxidant and pro-apoptotic effect of metallothioneins in HL-60 cells challenged with cupric nitrilotriacetate. Biochemical Journal, 2001, 354, 397.	1.7	25
265	Oxidation and cytotoxicity of 6-OHDA are mediated by reactive intermediates of COX-2 overexpressed in PC12 cells. Brain Research, 2006, 1093, 71-82.	1.1	25
266	Nitric oxide and thioredoxin type 1 modulate the activity of caspase 8 in HepG2 cells. Biochemical and Biophysical Research Communications, 2010, 391, 1127-1130.	1.0	25
267	A critical role for increased labile zinc in reducing sensitivity of cultured sheep pulmonary artery endothelial cells to LPS-induced apoptosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L1287-L1295.	1.3	25
268	Lipidomics Characterization of Biosynthetic and Remodeling Pathways of Cardiolipins in Genetically and Nutritionally Manipulated Yeast Cells. ACS Chemical Biology, 2017, 12, 265-281.	1.6	25
269	Antioxidant Depletion, Lipid Peroxidation, and Impairment of Calcium Transport Induced by Air-Blast Overpressure in Rat Lungs. Experimental Lung Research, 1996, 22, 179-200.	0.5	24
270	Sensitive and Specific Fluorescent Probing of Oxidative Stress in Different Classes of Membrane Phospholipids in Live Cells Using Metabolically Integrated cis-Parinaric Acid. , 1998, 108, 71-88.		24

#	Article	IF	Citations
271	Early Antioxidant Therapy with Tempol during Hemorrhagic Shock Increases Survival in Rats. Journal of Trauma, 2002, 53, 968-977.	2.3	24
272	Toward Oxidative Lipidomics of Cell Signaling. Antioxidants and Redox Signaling, 2004, 6, 199-202.	2.5	24
273	Novel predictors of overt nephropathy in subjects with type 1 diabetes. A nested case control study from the Pittsburgh Epidemiology of Diabetes Complications cohort. Nephrology Dialysis Transplantation, 2006, 21, 93-100.	0.4	24
274	Aberrant cardiolipin metabolism is associated with cognitive deficiency and hippocampal alteration in tafazzin knockdown mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 3353-3367.	1.8	24
275	Lipid Peroxidation In Biomembranes. , 0, , .		24
276	Fantastic voyage and opportunities of engineered nanomaterials: What are the potential risks of occupational exposures?. Journal of Occupational and Environmental Medicine, 2010, 52, 943-946.	0.9	23
277	Specificity of Lipoprotein-Associated Phospholipase A₂ toward Oxidized Phosphatidylserines: Liquid Chromatographyâ€“Electrospray Ionization Mass Spectrometry Characterization of Products and Computer Modeling of Interactions. Biochemistry, 2012, 51, 9736-9750.	1.2	23
278	Secondaryâ€ion Mass Spectrometry Images Cardiolipins and Phosphatidylethanolamines at the Subcellular Level. Angewandte Chemie, 2019, 131, 3188-3193.	1.6	23
279	Necroptosis triggers spatially restricted neutrophil-mediated vascular damage during lung ischemia reperfusion injury. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2111537119.	3.3	23
280	Cell-Surface Protein Disulfide Isomerase Is Required for Transnitrosation of Metallothionein by S-Nitroso-Albumin in Intact Rat Pulmonary Vascular Endothelial Cells. Experimental Biology and Medicine, 2006, 231, 1507-1515.	1.1	22
281	Necrostatin-1 rescues mice from lethal irradiation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 850-856.	1.8	22
282	Mitochondrial Redox Opto-Lipidomics Reveals Mono-Oxygenated Cardiolipins as Pro-Apoptotic Death Signals. ACS Chemical Biology, 2016, 11, 530-540.	1.6	22
283	Activation of NO donors in mitochondria: Peroxidase metabolism of (2â€hydroxyaminoâ€vinyl)â€triphenylâ€phosphonium by cytochrome c releases NO and protects cells against apoptosis. FEBS Letters, 2008, 582, 725-728.	1.3	21
284	Nitric oxide and dihydrolipoic acid modulate the activity of caspase 3 in HepG2 cells. FEBS Letters, 2009, 583, 3525-3530.	1.3	21
285	LPS-induced decrease in intracellular labile zinc, [Zn]_i, contributes to apoptosis in cultured sheep pulmonary artery endothelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L624-L632.	1.3	21
286	NADPH-dependent inhibition of lipid peroxidation in rat liver microsomes. Biochemical and Biophysical Research Communications, 1992, 186, 74-80.	1.0	20
287	MISHANDLING OF COPPER BY ALBUMIN: ROLE IN REDOX-CYCLING AND OXIDATIVE STRESS IN PREECLAMPSIA PLASMA. Hypertension in Pregnancy, 2001, 20, 221-241.	0.5	20
288	Protection of normal brain cells from Î³-irradiation-induced apoptosis by a mitochondria-targeted triphenyl-phosphonium-nitroxide: a possible utility in glioblastoma therapy. Journal of Neuro-Oncology, 2010, 100, 1-8.	1.4	20

#	Article	IF	Citations
289	Biosynthesis of oxidized lipid mediators via lipoprotein-associated phospholipase A₂hydrolysis of extracellular cardiolipin induces endothelial toxicity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L303-L316.	1.3	20
290	Global assessment of oxidized free fatty acids in brain reveals an enzymatic predominance to oxidative signaling after trauma. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2601-2613.	1.8	20
291	Targeting myeloid regulators by paclitaxel-loaded enzymatically degradable nanocups. Nanoscale, 2018, 10, 17990-18000.	2.8	20
292	[30] Quantitation of S-nitrosothiols in cells and biological fluids. Methods in Enzymology, 2002, 352, 347-360.	0.4	19
293	Anti-/pro-oxidant effects of phenolic compounds in cells: are colchicine metabolites chain-breaking antioxidants?. Toxicology, 2002, 177, 105-117.	2.0	19
294	Inhibition of Peroxidase Activity of Cytochrome c: De Novo Compound Discovery and Validation. Molecular Pharmacology, 2015, 88, 421-427.	1.0	19
295	LPS impairs oxygen utilization in epithelia by triggering degradation of the mitochondrial enzyme Alcat1. Journal of Cell Science, 2016, 129, 51-64.	1.2	19
296	Mediation of the single-walled carbon nanotubes induced pulmonary fibrogenic response by osteopontin and TGF-Î²1. Experimental Lung Research, 2017, 43, 311-326.	0.5	19
297	Lipidomics Detection of Brain Cardiolipins in Plasma Is Associated With Outcome After Cardiac Arrest. Critical Care Medicine, 2019, 47, e292-e300.	0.4	19
298	NOâ—•Represses the Oxygenation of Arachidonoyl PE by 15LOX/PEBP1: Mechanism and Role in Ferroptosis. International Journal of Molecular Sciences, 2021, 22, 5253.	1.8	19
299	Moderate Ascorbate Deficiency Increases Myogenic Tone of Arteries From Pregnant but Not Virgin Ascorbateâ€“Dependent Rats. Hypertension, 2006, 47, 454-460.	1.3	18
300	Synthetic Protection Short Interfering RNA Screen Reveals Glyburide as a Novel Radioprotector. Radiation Research, 2009, 172, 414.	0.7	18
301	Abnormalities in the male reproductive system after exposure to diesel and biodiesel blend. Environmental and Molecular Mutagenesis, 2015, 56, 265-276.	0.9	18
302	Interrogating Parkinson's disease associated redox targets: Potential application of CRISPR editing. Free Radical Biology and Medicine, 2019, 144, 279-292.	1.3	18
303	Mass-Spectrometric Characterization of Phospholipids and Their Hydroperoxide Derivatives In Vivo: Effects of Total Body Irradiation. , 2009, 580, 153-183.		18
304	Prevention of catecholaminergic oxidative toxicity by 4-hydroxy-2,2,6,6-tetramethylpiperidine-1-oxyl and its recycling complex with polynitroxylated albumin, TEMPOL/PNA. Brain Research, 2004, 1012, 13-21.	1.1	17
305	Antioxidants and coronary artery disease among individuals with type 1 diabetes: Findings from the Pittsburgh Epidemiology of Diabetes Complications Study. Journal of Diabetes and Its Complications, 2006, 20, 387-394.	1.2	17
306	Are mitochondrial reactive oxygen species required for autophagy?. Biochemical and Biophysical Research Communications, 2011, 412, 55-60.	1.0	17

#	Article	IF	Citations
307	Improved spatial resolution of matrix-assisted laser desorption/ionization imaging of lipids in the brain by alkylated derivatives of 2,5-dihydroxybenzoic acid. Rapid Communications in Mass Spectrometry, 2014, 28, 403-412.	0.7	17
308	Antioxidant Approaches to Management of Ionizing Irradiation Injury. Antioxidants, 2015, 4, 82-101.	2.2	17
309	Endogenously Generated Hydrogen Peroxide Is Required for Execution of Melphalan-Induced Apoptosis as Well as Oxidation and Externalization of Phosphatidylserine. Chemical Research in Toxicology, 2004, 17, 685-696.	1.7	16
310	Targeting nitroxides to mitochondria: location, location, location, and â€¦ concentrationâ˜†Highlight Commentary on â€œMitochondria superoxide dismutase mimetic inhibits peroxide-induced oxidative damage and apoptosis: Role of mitochondrial superoxideâ€• Free Radical Biology and Medicine, 2007, 43, 348-350.	1.3	16
311	Developmental toxicity of engineered nanoparticles. , 2011, , 269-290.		16
312	Mitochondrial NM23-H4/NDPK-D: a bifunctional nanoswitch for bioenergetics and lipid signaling. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 271-278.	1.4	16
313	Genetic re-engineering of polyunsaturated phospholipid profile of Saccharomyces cerevisiae identifies a novel role for Cld1 in mitigating the effects of cardiolipin peroxidation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 1354-1368.	1.2	16
314	Detection of brain specific cardiolipins in plasma after experimental pediatric head injury. Experimental Neurology, 2019, 316, 63-73.	2.0	16
315	Redox Epiphospholipidome in Programmed Cell Death Signaling: Catalytic Mechanisms and Regulation. Frontiers in Endocrinology, 2020, 11, 628079.	1.5	16
316	[28] Light-induced generation of vitamin E radicals: Assessing vitamin E regeneration. Methods in Enzymology, 1994, 234, 316-320.	0.4	15
317	Differential Membrane Antioxidant Effects of Immediate and Long-Term Estradiol Treatment of MCF-7 Breast Cancer Cells. Biochemical and Biophysical Research Communications, 1999, 260, 410-415.	1.0	15
318	Radioprotection by shortâ€term oxidative preconditioning: Role of manganese superoxide dismutase. FEBS Letters, 2009, 583, 3437-3442.	1.3	15
319	Mass-spectrometric characterization of peroxidized and hydrolyzed lipids in plasma and dendritic cells of tumor-bearing animals. Biochemical and Biophysical Research Communications, 2011, 413, 149-153.	1.0	15
320	Structural Re-arrangement and Peroxidase Activation of Cytochrome c by Anionic Analogues of Vitamin E, Tocopherol Succinate and Tocopherol Phosphate. Journal of Biological Chemistry, 2014, 289, 32488-32498.	1.6	15
321	Payload drug vs. nanocarrier biodegradation by myeloperoxidase- and peroxynitrite-mediated oxidations: pharmacokinetic implications. Nanoscale, 2015, 7, 8689-8694.	2.8	15
322	Inactivation of RIP3 kinase sensitizes to 15LOX/PEBP1-mediated ferroptotic death. Redox Biology, 2022, 50, 102232.	3.9	15
323	Paraquat-induced phosphatidylserine oxidation and apoptosis are independent of activation of PLA2. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 274, L793-L802.	1.3	14
324	Ins and Outs in Environmental and Occupational Safety Studies of Asthma and Engineered Nanomaterials. ACS Nano, 2017, 11, 7565-7571.	7.3	14

#	Article	IF	Citations
325	Quantitative Method of Measuring Phosphatidylserine Externalization During Apoptosis Using Electron Paramagnetic Resonance (EPR) Spectroscopy and Annexin-Conjugated Iron. Methods in Molecular Biology, 2014, 1105, 613-621.	0.4	14
326	Myeloid Cellâ€“Derived Oxidized Lipids and Regulation of the Tumor Microenvironment. Cancer Research, 2022, 82, 187-194.	0.4	14
327	P. aeruginosa augments irradiation injury via 15-lipoxygenaseâ€“catalyzed generation of 15-HpETE-PE and induction of theft-ferroptosis. JCI Insight, 2022, 7, .	2.3	14
328	Mechanisms of Nitric Oxide Protection againsttert-Butyl Hydroperoxide-Induced Cytotoxicity in iNOS-Transduced Human Erythroleukemia Cellsâ€. Biochemistry, 1999, 38, 10691-10698.	1.2	13
329	Lipid homeostasis and inflammatory activation are disturbed in classically activated macrophages with peroxisomal Î²â€oxidation deficiency. Immunology, 2018, 153, 342-356.	2.0	13
330	Recognition of Live Phosphatidylserine-Labeled Tumor Cells by Dendritic Cells: A Novel Approach to Immunotherapy of Skin Cancer. Cancer Research, 2009, 69, 2487-2496.	0.4	12
331	Unusual peroxidase activity of polynitroxylated pegylated hemoglobin: Elimination of H2O2 coupled with intramolecular oxidation of nitroxides. Biochemical and Biophysical Research Communications, 2010, 399, 139-143.	1.0	12
332	Elimination of the unnecessary: Intra- and extracellular signaling by anionic phospholipids. Biochemical and Biophysical Research Communications, 2017, 482, 482-490.	1.0	12
333	Lysocardiolipin acyltransferase regulates NSCLC cell proliferation and migration by modulating mitochondrial dynamics. Journal of Biological Chemistry, 2020, 295, 13393-13406.	1.6	12
334	tert-butyl hydroperoxide/hemoglobin-induced oxidative stress and damage to vascular smooth muscle cells. Biochemical Pharmacology, 1999, 57, 989-1001.	2.0	11
335	Vitamin E Inhibits Anti-Fas-Induced Phosphatidylserine Oxidation but Does Not Affect Its Externalization During Apoptosis in Jurkat T Cells and Their Phagocytosis by J774A.1 Macrophages. Antioxidants and Redox Signaling, 2004, 6, 227-236.	2.5	11
336	Photoluminescence Response in Carbon Nanomaterials to Enzymatic Degradation. Analytical Chemistry, 2020, 92, 12880-12890.	3.2	11
337	Amelioration of radiation esophagitis by orally administered p53/Mdm2/Mdm4 inhibitor (BEB55) or GS-nitroxide. In Vivo, 2011, 25, 841-8.	0.6	11
338	[14] Peroxidation of phosphatidylserine in mechanisms of apoptotic signaling. Methods in Enzymology, 2002, 352, 159-174.	0.4	10
339	Title is missing!. Molecular and Cellular Biochemistry, 2002, 234/235, 125-133.	1.4	10
340	Thiol Oxidation Enforces Phosphatidylserine Externalization in Apoptosis-Sensitive and -Resistant Cells Through a Î”Î¨m/Cytochrome c Release-Dependent Mechanism. Antioxidants and Redox Signaling, 2004, 6, 203-208.	2.5	10
341	Quantification of Selective Phosphatidylserine Oxidation During Apoptosis. , 2005, 291, 449-456.		10
342	Bioactive Oxylipins in Infants and Children With Congenital Heart Disease Undergoing Pediatric Cardiopulmonary Bypass. Pediatric Critical Care Medicine, 2020, 21, 33-41.	0.2	10

#	Article	IF	Citations
343	Integrated -omics approach reveals persistent DNA damage rewires lipid metabolism and histone hyperacetylation via MYS-1/Tip60. Science Advances, 2022, 8, eabl6083.	4.7	10
344	Bcl-2-mediated potentiation of neocarzinostatin-induced apoptosis: requirement for caspase-3, sulfhydryl groups, and cleavable Bcl-2. Cancer Chemotherapy and Pharmacology, 2006, 57, 357-367.	1.1	9
345	Succinobucol induces apoptosis in vascular smooth muscle cells. Free Radical Biology and Medicine, 2012, 52, 871-879.	1.3	9
346	Nanoemitters and innate immunity: the role of surfactants and bio-coronas in myeloperoxidase-catalyzed oxidation of pristine single-walled carbon nanotubes. Nanoscale, 2017, 9, 5948-5956.	2.8	9
347	Cytoprotective effects of albumin, nitrosated or reduced, in cultured rat pulmonary vascular cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L526-L533.	1.3	8
348	Direct and Indirect Antioxidant Effects of Nitric Oxide: Radically Unsettled Issues. Antioxidants and Redox Signaling, 2001, 3, 173-175.	2.5	7
349	A high-throughput screening assay of ascorbate in brain samples. Journal of Neuroscience Methods, 2011, 201, 185-190.	1.3	7
350	Increased S-Nitrosothiols and S-Nitrosoalbumin in Cerebrospinal Fluid After Severe Traumatic Brain Injury in Infants and Children: Indirect Association With Intracranial Pressure. Journal of Cerebral Blood Flow and Metabolism, 2003, , 51-61.	2.4	7
351	Myeloperoxidase-Catalyzed Phenoxyl Radicals of Vitamin E Homologue, 2,2,5,7,8-Pentamethyl-6-hydroxychromane, Do Not Induce Oxidative Stress in Live HL-60 Cells. Biochemical and Biophysical Research Communications, 2000, 270, 1086-1092.	1.0	6
352	Carbon Nanotubes: Biodegradation of Single-Walled Carbon Nanotubes by Eosinophil Peroxidase (Small 16/2013). Small, 2013, 9, 2720-2720.	5.2	6
353	Correction: Oxidized Lipids Block Antigen Cross-Presentation by Dendritic Cells in Cancer. Journal of Immunology, 2014, 192, 4935-4935.	0.4	6
354	Reply to "The flip side of cardiolipin import". Nature Medicine, 2011, 17, 413-414.	15.2	5
355	Activation of Cytochrome C Peroxidase Function Through Coordinated Foldon Loop Dynamics upon Interaction with Anionic Lipids. Journal of Molecular Biology, 2021, 433, 167057.	2.0	5
356	Depletion of Bc1-2 by an antisense oligonucleotide induces apoptosis accompanied by oxidation and externalization of phosphatidylserine in NCI-H226 lung carcinoma cells. , 2002, , 125-133.		5
357	Nitric Oxide Prevents Myoglobin/tert-Butyl Hydroperoxide-Induced Inhibition of Ca2+ Transport in Skeletal and Cardiac Sarcoplasmic Reticulum. Annals of the New York Academy of Sciences, 1999, 874, 371-385.	1.8	4
358	Direct Mapping of Phospholipid Ferroptotic Death Signals in Cells and Tissues by Gas Cluster Ion Beam Secondary Ion Mass Spectrometry (GCIBâ€SIMS). Angewandte Chemie, 2021, 133, 11890-11894.	1.6	4
359	Quantification of Selective Phosphatidylserine Oxidation During Apoptosis. Methods in Molecular Biology, 2014, 1105, 603-611.	0.4	4
360	Nitrogen-Doped Carbon Nanotube Cups for Cancer Therapy. ACS Applied Nano Materials, 2022, 5, 13685-13696.	2.4	4

#	Article	IF	Citations
361	Deciphering the mysteries of cardiolipins in mitochondria. Chemistry and Physics of Lipids, 2014, 179, 1-2.	1.5	3
362	Depletion of Bcl-2 by an antisense oligonucleotide induces apoptosis accompanied by oxidation and externalization of phosphatidylserine in NCI-H226 lung carcinoma cells. Molecular and Cellular Biochemistry, 2002, 234-235, 125-33.	1.4	3
363	Quantitative Method of Measuring Phosphatidylserine Externalization During Apoptosis Using Electron Paramagnetic Resonance Spectroscopy and Annexin-Conjugated Iron. , 2005, 291, 457-464.		1
364	Coarse Grained Molecular Dynamics Simulation of the Interaction of Cytochrome C with Lipid Bilayers. Biophysical Journal, 2013, 104, 503a-504a.	0.2	1
365	Computational Approaches to Understanding the Role of Oxidized Tri-Acylglycerols in Suppression of Antigen Cross-Presentation in Cancer. Biophysical Journal, 2014, 106, 805a-806a.	0.2	1
366	Developmental Toxicity of Engineered Nanomaterials. , 2017, , 333-357.		1
367	Corrigendum to â€œActivation of NO donors in mitochondria: Peroxidase metabolism of (2-hydroxyamino-vinyl)-triphenyl-phosphonium by cytochromecreleases NO and protects cells against apoptosisâ€•[FEBS Lett. 582 (2008) 725-728]. FEBS Letters, 2008, 582, 1634-1634.	1.3	0
368	2357 Lost and found: Detection of brain cardiolipins in plasma after cardiac arrest. Journal of Clinical and Translational Science, 2018, 2, 17-17.	0.3	0
369	Lipids as regulators of inflammation and tissue regeneration. , 2021, , 175-193.		0