

Valerian E Kagan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5862908/valerian-e-kagan-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

364
papers

29,101
citations

83
h-index

158
g-index

374
ext. papers

35,068
ext. citations

7.5
avg, IF

6.68
L-index

#	Paper	IF	Citations
364	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. <i>Cell</i> , 2017 , 171, 273-285	56.2	1985
363	Inactivation of the ferroptosis regulator Gpx4 triggers acute renal failure in mice. <i>Nature Cell Biology</i> , 2014 , 16, 1180-91	23.4	1177
362	Unusual inflammatory and fibrogenic pulmonary responses to single-walled carbon nanotubes in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005 , 289, L698-708	5.8	984
361	Cytochrome c acts as a cardiolipin oxygenase required for release of proapoptotic factors. <i>Nature Chemical Biology</i> , 2005 , 1, 223-32	11.7	951
360	ACSL4 dictates ferroptosis sensitivity by shaping cellular lipid composition. <i>Nature Chemical Biology</i> , 2017 , 13, 91-98	11.7	908
359	Oxidized arachidonic and adrenic PEs navigate cells to ferroptosis. <i>Nature Chemical Biology</i> , 2017 , 13, 81-90	11.7	754
358	Carbon nanotubes degraded by neutrophil myeloperoxidase induce less pulmonary inflammation. <i>Nature Nanotechnology</i> , 2010 , 5, 354-9	28.7	600
357	Cardiolipin externalization to the outer mitochondrial membrane acts as an elimination signal for mitophagy in neuronal cells. <i>Nature Cell Biology</i> , 2013 , 15, 1197-1205	23.4	597
356	Targeting mitochondria. <i>Accounts of Chemical Research</i> , 2008 , 41, 87-97	24.3	495
355	Lipid accumulation and dendritic cell dysfunction in cancer. <i>Nature Medicine</i> , 2010 , 16, 880-6	50.5	386
354	Mechanisms of carbon nanotube-induced toxicity: focus on oxidative stress. <i>Toxicology and Applied Pharmacology</i> , 2012 , 261, 121-33	4.6	374
353	Biodegradation of single-walled carbon nanotubes through enzymatic catalysis. <i>Nano Letters</i> , 2008 , 8, 3899-903	11.5	346
352	The multiple functions of cytochrome c and their regulation in life and death decisions of the mammalian cell: From respiration to apoptosis. <i>Mitochondrion</i> , 2011 , 11, 369-81	4.9	341
351	Cytochrome c/cardiolipin relations in mitochondria: a kiss of death. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1439-53	7.8	331
350	PEBP1 Wardens Ferroptosis by Enabling Lipoxygenase Generation of Lipid Death Signals. <i>Cell</i> , 2017 , 171, 628-641.e26	56.2	321
349	Dihydrolipoic acid—a universal antioxidant both in the membrane and in the aqueous phase. Reduction of peroxy, ascorbyl and chromanoxyl radicals. <i>Biochemical Pharmacology</i> , 1992 , 44, 1637-49	6	314
348	The enzymatic oxidation of graphene oxide. <i>ACS Nano</i> , 2011 , 5, 2098-108	16.7	313

347	Peroxidase activity and structural transitions of cytochrome c bound to cardiolipin-containing membranes. <i>Biochemistry</i> , 2006 , 45, 4998-5009	3.2	307
346	Oxidative lipidomics of apoptosis: redox catalytic interactions of cytochrome c with cardiolipin and phosphatidylserine. <i>Free Radical Biology and Medicine</i> , 2004 , 37, 1963-85	7.8	279
345	FINO initiates ferroptosis through GPX4 inactivation and iron oxidation. <i>Nature Chemical Biology</i> , 2018 , 14, 507-515	11.7	245
344	Mechanistic investigations of horseradish peroxidase-catalyzed degradation of single-walled carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17194-205	16.4	243
343	Assessment of antioxidant reserves and oxidative stress in cerebrospinal fluid after severe traumatic brain injury in infants and children. <i>Pediatric Research</i> , 2002 , 51, 571-8	3.2	229
342	Single-walled carbon nanotubes: geno- and cytotoxic effects in lung fibroblast V79 cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007 , 70, 2071-9	3.2	220
341	Lipidomics identifies cardiolipin oxidation as a mitochondrial target for redox therapy of brain injury. <i>Nature Neuroscience</i> , 2012 , 15, 1407-13	25.5	218
340	A role for oxidative stress in apoptosis: oxidation and externalization of phosphatidylserine is required for macrophage clearance of cells undergoing Fas-mediated apoptosis. <i>Journal of Immunology</i> , 2002 , 169, 487-99	5.3	216
339	Fatty acid transport protein β reprograms neutrophils in cancer. <i>Nature</i> , 2019 , 569, 73-78	50.4	215
338	Nano-targeted induction of dual ferroptotic mechanisms eradicates high-risk neuroblastoma. <i>Journal of Clinical Investigation</i> , 2018 , 128, 3341-3355	15.9	215
337	Close encounters of the small kind: adverse effects of man-made materials interfacing with the nano-cosmos of biological systems. <i>Annual Review of Pharmacology and Toxicology</i> , 2010 , 50, 63-88	17.9	197
336	Nanomedicine and nanotoxicology: two sides of the same coin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2005 , 1, 313-6	6	191
335	Regulation of lipid peroxidation and ferroptosis in diverse species. <i>Genes and Development</i> , 2018 , 32, 602-619	12.6	183
334	Oxidative stress following traumatic brain injury in rats: quantitation of biomarkers and detection of free radical intermediates. <i>Journal of Neurochemistry</i> , 2000 , 75, 2178-89	6	179
333	Cardiolipin switch in mitochondria: shutting off the reduction of cytochrome c and turning on the peroxidase activity. <i>Biochemistry</i> , 2007 , 46, 3423-34	3.2	171
332	Sequential exposure to carbon nanotubes and bacteria enhances pulmonary inflammation and infectivity. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008 , 38, 579-90	5.7	157
331	Starving neurons show sex difference in autophagy. <i>Journal of Biological Chemistry</i> , 2009 , 284, 2383-96	5.4	154
330	Ubiquinone-dependent recycling of vitamin E radicals by superoxide. <i>Archives of Biochemistry and Biophysics</i> , 1995 , 323, 343-51	4.1	146

329	Impaired clearance and enhanced pulmonary inflammatory/fibrotic response to carbon nanotubes in myeloperoxidase-deficient mice. <i>PLoS ONE</i> , 2012 , 7, e30923	3.7	145
328	Adsorption of surfactant lipids by single-walled carbon nanotubes in mouse lung upon pharyngeal aspiration. <i>ACS Nano</i> , 2012 , 6, 4147-56	16.7	145
327	Biodegradation of single-walled carbon nanotubes by eosinophil peroxidase. <i>Small</i> , 2013 , 9, 2721-9, 2720-1	14.5	145
326	Oxidized lipids block antigen cross-presentation by dendritic cells in cancer. <i>Journal of Immunology</i> , 2014 , 192, 2920-31	5.3	142
325	Selective early cardiolipin peroxidation after traumatic brain injury: an oxidative lipidomics analysis. <i>Annals of Neurology</i> , 2007 , 62, 154-69	9.4	141
324	Peroxidase-mediated biodegradation of carbon nanotubes in vitro and in vivo. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 1921-32	18.5	136
323	Thioredoxin and lipoic acid catalyze the denitrosation of low molecular weight and protein S-nitrosothiols. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15815-23	16.4	136
322	Mitochondrial targeting of selective electron scavengers: synthesis and biological analysis of hemigramicidin-TEMPO conjugates. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12460-1	16.4	134
321	Vitamin E deficiency enhances pulmonary inflammatory response and oxidative stress induced by single-walled carbon nanotubes in C57BL/6 mice. <i>Toxicology and Applied Pharmacology</i> , 2007 , 221, 339-48	4.6	133
320	Ferroptotic cell death and TLR4/Trif signaling initiate neutrophil recruitment after heart transplantation. <i>Journal of Clinical Investigation</i> , 2019 , 129, 2293-2304	15.9	133
319	Oxidative signaling pathway for externalization of plasma membrane phosphatidylserine during apoptosis. <i>FEBS Letters</i> , 2000 , 477, 1-7	3.8	131
318	Evaluation of the Pulmonary Toxicity of Cellulose Nanocrystals: A Renewable and Sustainable Nanomaterial of the Future. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1691-1698	8.3	130
317	A natural vanishing act: the enzyme-catalyzed degradation of carbon nanomaterials. <i>Accounts of Chemical Research</i> , 2012 , 45, 1770-81	24.3	130
316	Therapeutic hypothermia preserves antioxidant defenses after severe traumatic brain injury in infants and children. <i>Critical Care Medicine</i> , 2009 , 37, 689-95	1.4	122
315	Reduction of ferrylmyoglobin and ferrylhemoglobin by nitric oxide: a protective mechanism against ferryl hemoprotein-induced oxidations. <i>Biochemistry</i> , 1995 , 34, 6689-99	3.2	122
314	Antioxidant action of ubiquinol homologues with different isoprenoid chain length in biomembranes. <i>Free Radical Biology and Medicine</i> , 1990 , 9, 117-26	7.8	121
313	Factoring-in agglomeration of carbon nanotubes and nanofibers for better prediction of their toxicity versus asbestos. <i>Particle and Fibre Toxicology</i> , 2012 , 9, 10	8.4	119
312	A mitochondrial pathway for biosynthesis of lipid mediators. <i>Nature Chemistry</i> , 2014 , 6, 542-52	17.6	112

311	Tocopherol stabilizes membrane against phospholipase A, free fatty acids, and lysophospholipids. <i>Annals of the New York Academy of Sciences</i> , 1989 , 570, 121-35	6.5	110
310	Oxidative stress in immature brain after traumatic brain injury. <i>Developmental Neuroscience</i> , 2006 , 28, 420-31	2.2	109
309	NADPH oxidase-dependent oxidation and externalization of phosphatidylserine during apoptosis in Me2SO-differentiated HL-60 cells. Role in phagocytic clearance. <i>Journal of Biological Chemistry</i> , 2002 , 277, 49965-75	5.4	107
308	Neuronal NOS-mediated nitration and inactivation of manganese superoxide dismutase in brain after experimental and human brain injury. <i>Journal of Neurochemistry</i> , 2007 , 101, 168-81	6	106
307	Redox lipid reprogramming commands susceptibility of macrophages and microglia to ferroptotic death. <i>Nature Chemical Biology</i> , 2020 , 16, 278-290	11.7	105
306	Dynamic regulation of cardiolipin by the lipid pump Atp8b1 determines the severity of lung injury in experimental pneumonia. <i>Nature Medicine</i> , 2010 , 16, 1120-1127	50.5	105
305	Bench-to-bedside review: Mitochondrial injury, oxidative stress and apoptosis--there is nothing more practical than a good theory. <i>Critical Care</i> , 2008 , 12, 206	10.8	105
304	Iron catalysis of lipid peroxidation in ferroptosis: Regulated enzymatic or random free radical reaction?. <i>Free Radical Biology and Medicine</i> , 2019 , 133, 153-161	7.8	105
303	The hierarchy of structural transitions induced in cytochrome c by anionic phospholipids determines its peroxidase activation and selective peroxidation during apoptosis in cells. <i>Biochemistry</i> , 2007 , 46, 14232-44	3.2	104
302	LC3 binds externalized cardiolipin on injured mitochondria to signal mitophagy in neurons: implications for Parkinson disease. <i>Autophagy</i> , 2014 , 10, 376-8	10.2	103
301	Direct effects of carbon nanotubes on dendritic cells induce immune suppression upon pulmonary exposure. <i>ACS Nano</i> , 2011 , 5, 5755-62	16.7	103
300	Enhanced oxidative stress in iNOS-deficient mice after traumatic brain injury: support for a neuroprotective role of iNOS. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, 673-84	7.3	103
299	Lung macrophages "digest" carbon nanotubes using a superoxide/peroxynitrite oxidative pathway. <i>ACS Nano</i> , 2014 , 8, 5610-21	16.7	102
298	Increased ascorbate radical formation and ascorbate depletion in plasma from women with preeclampsia: implications for oxidative stress. <i>Free Radical Biology and Medicine</i> , 1997 , 23, 597-609	7.8	102
297	Macrophage recognition of externalized phosphatidylserine and phagocytosis of apoptotic Jurkat cells--existence of a threshold. <i>Archives of Biochemistry and Biophysics</i> , 2003 , 413, 41-52	4.1	101
296	Elevated levels of S-nitrosoalbumin in preeclampsia plasma. <i>Circulation Research</i> , 2001 , 88, 1210-5	15.7	101
295	Lipid bodies containing oxidatively truncated lipids block antigen cross-presentation by dendritic cells in cancer. <i>Nature Communications</i> , 2017 , 8, 2122	17.4	100
294	Ferroptosis Contributes to Neuronal Death and Functional Outcome After Traumatic Brain Injury. <i>Critical Care Medicine</i> , 2019 , 47, 410-418	1.4	97

293	Long-term effects of carbon containing engineered nanomaterials and asbestos in the lung: one year postexposure comparisons. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 306, L170-82	5.8	96
292	Mass-spectrometry based oxidative lipidomics and lipid imaging: applications in traumatic brain injury. <i>Journal of Neurochemistry</i> , 2010 , 115, 1322-36	6	94
291	Phosphatidylserine targets single-walled carbon nanotubes to professional phagocytes in vitro and in vivo. <i>PLoS ONE</i> , 2009 , 4, e4398	3.7	94
290	Mitochondrial targeting of electron scavenging antioxidants: Regulation of selective oxidation vs random chain reactions. <i>Advanced Drug Delivery Reviews</i> , 2009 , 61, 1375-85	18.5	92
289	Aberrant expression of myeloperoxidase in astrocytes promotes phospholipid oxidation and memory deficits in a mouse model of Alzheimer disease. <i>Journal of Biological Chemistry</i> , 2009 , 284, 3158-3169	5.4	90
288	Cardiolipin asymmetry, oxidation and signaling. <i>Chemistry and Physics of Lipids</i> , 2014 , 179, 64-9	3.7	88
287	Necroptotic cell death in anti-cancer therapy. <i>Immunological Reviews</i> , 2017 , 280, 207-219	11.3	87
286	Microsomal glutathione transferase 1 protects against toxicity induced by silica nanoparticles but not by zinc oxide nanoparticles. <i>ACS Nano</i> , 2012 , 6, 1925-38	16.7	87
285	Orphan nuclear receptor pregnane X receptor sensitizes oxidative stress responses in transgenic mice and cancerous cells. <i>Molecular Endocrinology</i> , 2006 , 20, 279-90		86
284	Estrogen and tamoxifen metabolites protect smooth muscle cell membrane phospholipids against peroxidation and inhibit cell growth. <i>Circulation Research</i> , 1999 , 84, 229-39	15.7	86
283	Cardiolipin Interactions with Proteins. <i>Biophysical Journal</i> , 2015 , 109, 1282-94	2.9	84
282	Mapping of phospholipids by MALDI imaging (MALDI-MSI): realities and expectations. <i>Chemistry and Physics of Lipids</i> , 2012 , 165, 545-62	3.7	84
281	Oxidation of phosphatidylserine: a mechanism for plasma membrane phospholipid scrambling during apoptosis?. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 324, 1059-64	3.4	83
280	Manganese superoxide dismutase-plasmid/liposome (MnSOD-PL) administration protects mice from esophagitis associated with fractionated radiation. <i>International Journal of Cancer</i> , 2001 , 96, 221-37	7.5	83
279	Mitochondria and microsomal membranes have a free radical reductase activity that prevents chromanoxyl radical accumulation. <i>Biochemical and Biophysical Research Communications</i> , 1989 , 159, 229-35	3.4	83
278	Known unknowns of cardiolipin signaling: The best is yet to come. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 8-24	5	82
277	Disruption of the M80-Fe ligation stimulates the translocation of cytochrome c to the cytoplasm and nucleus in nonapoptotic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 2653-8	11.5	81
276	Oxidative lipidomics of gamma-irradiation-induced intestinal injury. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 299-314	7.8	80

275	Recycling and antioxidant activity of tocopherol homologs of differing hydrocarbon chain lengths in liver microsomes. <i>Archives of Biochemistry and Biophysics</i> , 1990 , 282, 221-5	4.1	80
274	A mitochondria-targeted inhibitor of cytochrome c peroxidase mitigates radiation-induced death. <i>Nature Communications</i> , 2011 , 2, 497	17.4	79
273	Nitric oxide inhibits peroxidase activity of cytochrome c:cardiolipin complex and blocks cardiolipin oxidation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 14554-62	5.4	79
272	Direct evidence for antioxidant effect of Bcl-2 in PC12 rat pheochromocytoma cells. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 344, 413-23	4.1	78
271	2357 Lost and found: Detection of brain cardiolipins in plasma after cardiac arrest. <i>Journal of Clinical and Translational Science</i> , 2018 , 2, 17-17	0.4	78
270	Dual function of mitochondrial Nm23-H4 protein in phosphotransfer and intermembrane lipid transfer: a cardiolipin-dependent switch. <i>Journal of Biological Chemistry</i> , 2013 , 288, 111-21	5.4	77
269	Screening of biochemical and molecular mechanisms of secondary injury and repair in the brain after experimental blast-induced traumatic brain injury in rats. <i>Journal of Neurotrauma</i> , 2013 , 30, 920-37	5.4	76
268	Redox cycling of phenol induces oxidative stress in human epidermal keratinocytes. <i>Journal of Investigative Dermatology</i> , 2000 , 114, 354-64	4.3	76
267	Peroxidase mechanism of lipid-dependent cross-linking of synuclein with cytochrome C: protection against apoptosis versus delayed oxidative stress in Parkinson disease. <i>Journal of Biological Chemistry</i> , 2009 , 284, 15951-69	5.4	75
266	Structural requirements for optimized delivery, inhibition of oxidative stress, and antiapoptotic activity of targeted nitroxides. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 320, 1050-60	4.7	75
265	A mitochondria-targeted nitroxide/hemigramicidin S conjugate protects mouse embryonic cells against gamma irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 70, 816-25	4	75
264	Mitochondria-targeted disruptors and inhibitors of cytochrome c/cardiolipin peroxidase complexes: a new strategy in anti-apoptotic drug discovery. <i>Molecular Nutrition and Food Research</i> , 2009 , 53, 104-14	5.9	74
263	Oxidative stress and dermal toxicity of iron oxide nanoparticles in vitro. <i>Cell Biochemistry and Biophysics</i> , 2013 , 67, 461-76	3.2	73
262	Enzymatic oxidative biodegradation of nanoparticles: Mechanisms, significance and applications. <i>Toxicology and Applied Pharmacology</i> , 2016 , 299, 58-69	4.6	72
261	Mass-spectrometric characterization of phospholipids and their primary peroxidation products in rat cortical neurons during staurosporine-induced apoptosis. <i>Journal of Neurochemistry</i> , 2008 , 107, 1614-33	6.33	71
260	<i>Pseudomonas aeruginosa</i> utilizes host polyunsaturated phosphatidylethanolamines to trigger theft-ferroptosis in bronchial epithelium. <i>Journal of Clinical Investigation</i> , 2018 , 128, 4639-4653	15.9	71
259	Oxidative lipidomics of hyperoxic acute lung injury: mass spectrometric characterization of cardiolipin and phosphatidylserine peroxidation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010 , 299, L73-85	5.8	70
258	Mechanisms of cardiolipin oxidation by cytochrome c: relevance to pro- and antiapoptotic functions of etoposide. <i>Molecular Pharmacology</i> , 2006 , 70, 706-17	4.3	70

257	The mito-DAMP cardiolipin blocks IL-10 production causing persistent inflammation during bacterial pneumonia. <i>Nature Communications</i> , 2017 , 8, 13944	17.4	69
256	Peroxidase activity of hemoglobin-haptoglobin complexes: covalent aggregation and oxidative stress in plasma and macrophages. <i>Journal of Biological Chemistry</i> , 2009 , 284, 30395-407	5.4	69
255	Treatment with a novel hemigramicidin-TEMPO conjugate prolongs survival in a rat model of lethal hemorrhagic shock. <i>Annals of Surgery</i> , 2007 , 245, 305-14	7.8	69
254	Interplay between bax, reactive oxygen species production, and cardiolipin oxidation during apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 368, 145-50	3.4	68
253	Intracellular S-glutathionyl adducts in murine lung and human bronchoepithelial cells after exposure to diisocyanatotoluene. <i>Chemical Research in Toxicology</i> , 1999 , 12, 931-6	4	68
252	The hydrogen-peroxide-induced radical behaviour in human cytochrome c-phospholipid complexes: implications for the enhanced pro-apoptotic activity of the G41S mutant. <i>Biochemical Journal</i> , 2013 , 456, 441-52	3.8	67
251	Phosphomimetic substitution of cytochrome C tyrosine 48 decreases respiration and binding to cardiolipin and abolishes ability to trigger downstream caspase activation. <i>Biochemistry</i> , 2010 , 49, 6705-14	3.2	67
250	Random versus selective membrane phospholipid oxidation in apoptosis: role of phosphatidylserine. <i>Biochemistry</i> , 1998 , 37, 13781-90	3.2	67
249	A mitochondria-targeted triphenylphosphonium-conjugated nitroxide functions as a radioprotector/mitigator. <i>Radiation Research</i> , 2009 , 172, 706-17	3.1	66
248	Hemigramicidin-TEMPO conjugates: novel mitochondria-targeted anti-oxidants. <i>Biochemical Pharmacology</i> , 2007 , 74, 801-9	6	66
247	Ascorbate is the primary reductant of the phenoxyl radical of etoposide in the presence of thiols both in cell homogenates and in model systems. <i>Biochemistry</i> , 1994 , 33, 9651-60	3.2	66
246	Oxidative lipidomics of radiation-induced lung injury: mass spectrometric characterization of cardiolipin and phosphatidylserine peroxidation. <i>Radiation Research</i> , 2011 , 175, 610-21	3.1	64
245	Mechanism-based chemopreventive strategies against etoposide-induced acute myeloid leukemia: free radical/antioxidant approach. <i>Molecular Pharmacology</i> , 1999 , 56, 494-506	4.3	64
244	Non-random peroxidation of different classes of membrane phospholipids in live cells detected by metabolically integrated cis-parinaric acid. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996 , 1283, 127-40	3.8	64
243	Structural Changes and Proapoptotic Peroxidase Activity of Cardiolipin-Bound Mitochondrial Cytochrome c. <i>Biophysical Journal</i> , 2015 , 109, 1873-84	2.9	62
242	Achieving Life through Death: Redox Biology of Lipid Peroxidation in Ferroptosis. <i>Cell Chemical Biology</i> , 2020 , 27, 387-408	8.2	61
241	Global phospholipidomics analysis reveals selective pulmonary peroxidation profiles upon inhalation of single-walled carbon nanotubes. <i>ACS Nano</i> , 2011 , 5, 7342-53	16.7	61
240	Nitrosative stress inhibits the aminophospholipid translocase resulting in phosphatidylserine externalization and macrophage engulfment: implications for the resolution of inflammation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 8498-509	5.4	61

239	Antioxidant Tempol enhances hypothermic cerebral preservation during prolonged cardiac arrest in dogs. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 105-17	7.3	61
238	Mass-spectrometric analysis of hydroperoxy- and hydroxy-derivatives of cardiolipin and phosphatidylserine in cells and tissues induced by pro-apoptotic and pro-inflammatory stimuli. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 2863-72	3.2	60
237	Nitroxides scavenge myeloperoxidase-catalyzed thiyl radicals in model systems and in cells. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9221-32	16.4	60
236	Gender differences in murine pulmonary responses elicited by cellulose nanocrystals. <i>Particle and Fibre Toxicology</i> , 2016 , 13, 28	8.4	59
235	Graphene oxide, but not fullerenes, targets immunoproteasomes and suppresses antigen presentation by dendritic cells. <i>Small</i> , 2013 , 9, 1686-90	11	59
234	Lipid antioxidant, etoposide, inhibits phosphatidylserine externalization and macrophage clearance of apoptotic cells by preventing phosphatidylserine oxidation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 6056-64	5.4	59
233	Topography of tyrosine residues and their involvement in peroxidation of polyunsaturated cardiolipin in cytochrome c/cardiolipin peroxidase complexes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 2147-55	3.8	58
232	Heterolytic reduction of fatty acid hydroperoxides by cytochrome c/cardiolipin complexes: antioxidant function in mitochondria. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11288-9	16.4	58
231	Hemigramicidin-TEMPO conjugates: novel mitochondria-targeted antioxidants. <i>Critical Care Medicine</i> , 2007 , 35, S461-7	1.4	58
230	Isolation of human trophoblastic extracellular vesicles and characterization of their cargo and antiviral activity. <i>Placenta</i> , 2016 , 47, 86-95	3.4	58
229	Copper chelation selectively kills colon cancer cells through redox cycling and generation of reactive oxygen species. <i>BMC Cancer</i> , 2014 , 14, 527	4.8	57
228	Two strategies for the development of mitochondrion-targeted small molecule radiation damage mitigators. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 80, 860-8	4	57
227	Nitric oxide prevents oxidative damage produced by tert-butyl hydroperoxide in erythroleukemia cells via nitrosylation of heme and non-heme iron. Electron paramagnetic resonance evidence. <i>Journal of Biological Chemistry</i> , 1997 , 272, 12328-41	5.4	56
226	Cardiolipin deficiency leads to decreased cardiolipin peroxidation and increased resistance of cells to apoptosis. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 1935-44	7.8	55
225	Redox regulation of copper-metallothionein. <i>Archives of Biochemistry and Biophysics</i> , 1999 , 363, 171-81	4.1	54
224	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. <i>Analytical Chemistry</i> , 2017 , 89, 4611-4619	7.8	53
223	Oxidized phospholipids as biomarkers of tissue and cell damage with a focus on cardiolipin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 2413-23	3.8	53
222	Minocycline reduces neuronal death and attenuates microglial response after pediatric asphyxial cardiac arrest. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 119-29	7.3	53

221	Oxidative lipidomics of programmed cell death. <i>Methods in Enzymology</i> , 2008 , 442, 375-93	1.7	53
220	Arachidonic acid-induced carbon-centered radicals and phospholipid peroxidation in cyclo-oxygenase-2-transfected PC12 cells. <i>Journal of Neurochemistry</i> , 2004 , 90, 1036-49	6	53
219	Carbon nanotubes enhance metastatic growth of lung carcinoma via up-regulation of myeloid-derived suppressor cells. <i>Small</i> , 2013 , 9, 1691-5	11	51
218	Involvement of a functional NADPH oxidase in neutrophils and macrophages during programmed cell clearance: implications for chronic granulomatous disease. <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 297, C621-31	5.4	51
217	Phosphatidylserine peroxidation/externalization during staurosporine-induced apoptosis in HL-60 cells. <i>FEBS Letters</i> , 2002 , 524, 25-30	3.8	51
216	Myeloperoxidase-catalyzed redox-cycling of phenol promotes lipid peroxidation and thiol oxidation in HL-60 cells. <i>Free Radical Biology and Medicine</i> , 1999 , 27, 1050-63	7.8	51
215	Single-walled carbon nanotubes impair human macrophage engulfment of apoptotic cell corpses. <i>Inhalation Toxicology</i> , 2009 , 21 Suppl 1, 131-6	2.7	50
214	S-nitrosoalbumin-mediated relaxation is enhanced by ascorbate and copper: effects in pregnancy and preeclampsia plasma. <i>Hypertension</i> , 2005 , 45, 21-7	8.5	50
213	Dichotomous roles for externalized cardiolipin in extracellular signaling: Promotion of phagocytosis and attenuation of innate immunity. <i>Science Signaling</i> , 2015 , 8, ra95	8.8	49
212	Plasma membrane NADH-coenzyme Q0 reductase generates semiquinone radicals and recycles vitamin E homologue in a superoxide-dependent reaction. <i>FEBS Letters</i> , 1998 , 428, 43-6	3.8	49
211	Increased myeloperoxidase in the placenta and circulation of women with preeclampsia. <i>Hypertension</i> , 2008 , 52, 387-93	8.5	49
210	Neuroprotective effects of TEMPOL in central and peripheral nervous system models of Parkinson's disease. <i>Biochemical Pharmacology</i> , 2005 , 70, 1371-81	6	49
209	Antioxidant mechanisms of nitric oxide against iron-catalyzed oxidative stress in cells. <i>Antioxidants and Redox Signaling</i> , 2001 , 3, 189-202	8.4	49
208	Glutathione propagates oxidative stress triggered by myeloperoxidase in HL-60 cells. Evidence for glutathionyl radical-induced peroxidation of phospholipids and cytotoxicity. <i>Journal of Biological Chemistry</i> , 2004 , 279, 23453-62	5.4	48
207	Cardiolipin-specific peroxidase reactions of cytochrome C in mitochondria during irradiation-induced apoptosis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 69, 176-86	4.6	47
206	Apoptosis and macrophage clearance of neutrophils: regulation by reactive oxygen species. <i>Redox Report</i> , 2003 , 8, 143-50	5.9	47
205	Biodiesel versus diesel exposure: enhanced pulmonary inflammation, oxidative stress, and differential morphological changes in the mouse lung. <i>Toxicology and Applied Pharmacology</i> , 2013 , 272, 373-83	4.6	46
204	Molecular modeling in structural nano-toxicology: interactions of nano-particles with nano-machinery of cells. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 2070-7	18.5	45

203	Cardiolipin-Dependent Mitophagy Guides Outcome after Traumatic Brain Injury. <i>Journal of Neuroscience</i> , 2019 , 39, 1930-1943	6.6	45
202	N-acetylcysteine does not prevent hepatorenal ischaemia-reperfusion injury in patients undergoing orthotopic liver transplantation. <i>Nephrology Dialysis Transplantation</i> , 2010 , 25, 2328-33	4.3	44
201	MDSC and TGF β Are Required for Facilitation of Tumor Growth in the Lungs of Mice Exposed to Carbon Nanotubes. <i>Cancer Research</i> , 2015 , 75, 1615-23	10.1	43
200	Effect of antioxidants on enzyme-catalysed biodegradation of carbon nanotubes. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 302-309	7.3	43
199	Reduction of phenoxyl radicals by thioredoxin results in selective oxidation of its SH-groups to disulfides. An antioxidant function of thioredoxin. <i>Biochemistry</i> , 1995 , 34, 4765-72	3.2	43
198	The mitochondria-targeted nitroxide JP4-039 augments potentially lethal irradiation damage repair. <i>In Vivo</i> , 2009 , 23, 717-26	2.3	43
197	Repetitive Mild Traumatic Brain Injury in the Developing Brain: Effects on Long-Term Functional Outcome and Neuropathology. <i>Journal of Neurotrauma</i> , 2016 , 33, 641-51	5.4	41
196	Graphene oxide attenuates Th2-type immune responses, but augments airway remodeling and hyperresponsiveness in a murine model of asthma. <i>ACS Nano</i> , 2014 , 8, 5585-99	16.7	41
195	Cardiolipin signaling mechanisms: collapse of asymmetry and oxidation. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 1667-80	8.4	41
194	The plasma membrane is the site of selective phosphatidylserine oxidation during apoptosis: role of cytochrome C. <i>Antioxidants and Redox Signaling</i> , 2004 , 6, 209-25	8.4	41
193	Peroxidation and externalization of phosphatidylserine associated with release of cytochrome c from mitochondria. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 814-25	7.8	41
192	Ascorbate as a "redox sensor" and protector against irradiation-induced oxidative stress in 32D CL3 hematopoietic cells and subclones overexpressing human manganese superoxide dismutase. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004 , 58, 851-61	4	40
191	Detection and characterization of the electron paramagnetic resonance-silent glutathionyl-5,5-dimethyl-1-pyrroline N-oxide adduct derived from redox cycling of phenoxyl radicals in model systems and HL-60 cells. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 330, 3-11	4.1	40
190	Oxidized phospholipid signaling in traumatic brain injury. <i>Free Radical Biology and Medicine</i> , 2018 , 124, 493-503	7.8	40
189	E3 ligase subunit Fbxo15 and PINK1 kinase regulate cardiolipin synthase 1 stability and mitochondrial function in pneumonia. <i>Cell Reports</i> , 2014 , 7, 476-487	10.6	39
188	Interaction between 6-hydroxydopamine and transferrin: "Let my iron go". <i>Biochemistry</i> , 2000 , 39, 3392-400	3	39
187	Defects of Lipid Synthesis Are Linked to the Age-Dependent Demyelination Caused by Lamin B1 Overexpression. <i>Journal of Neuroscience</i> , 2015 , 35, 12002-17	6.6	38
186	Nitric oxide protects cardiomyocytes against tert-butyl hydroperoxide-induced formation of alkoxyl and peroxy radicals and peroxidation of phosphatidylserine. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 244, 647-51	3.4	38

185	Empowerment of 15-Lipoxygenase Catalytic Competence in Selective Oxidation of Membrane ETE-PE to Ferroptotic Death Signals, HpETE-PE. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17835-17839	16.4	38
184	Deciphering of mitochondrial cardiolipin oxidative signaling in cerebral ischemia-reperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 319-28	7.3	37
183	Synuclein levels are elevated in cerebrospinal fluid following traumatic brain injury in infants and children: the effect of therapeutic hypothermia. <i>Developmental Neuroscience</i> , 2010 , 32, 385-95	2.2	37
182	Iron Chaperone Poly rC Binding Protein 1 Protects Mouse Liver From Lipid Peroxidation and Steatosis. <i>Hepatology</i> , 2021 , 73, 1176-1193	11.2	37
181	Phosphorylation of Cytochrome c Threonine 28 Regulates Electron Transport Chain Activity in Kidney: IMPLICATIONS FOR AMP KINASE. <i>Journal of Biological Chemistry</i> , 2017 , 292, 64-79	5.4	36
180	Nitric oxide dissociates lipid oxidation from apoptosis and phosphatidylserine externalization during oxidative stress. <i>Biochemistry</i> , 2000 , 39, 127-38	3.2	36
179	Secondary-Ion Mass Spectrometry Images Cardiolipins and Phosphatidylethanolamines at the Subcellular Level. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3156-3161	16.4	35
178	Overexpression of metallothionein decreases sensitivity of pulmonary endothelial cells to oxidant injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1997 , 273, L856-65	5.8	35
177	Long-chain acyl-CoA dehydrogenase deficiency as a cause of pulmonary surfactant dysfunction. <i>Journal of Biological Chemistry</i> , 2014 , 289, 10668-10679	5.4	34
176	Characterization of cardiolipins and their oxidation products by LC-MS analysis. <i>Chemistry and Physics of Lipids</i> , 2014 , 179, 3-10	3.7	34
175	Normoxic versus hyperoxic resuscitation in pediatric asphyxial cardiac arrest: effects on oxidative stress. <i>Critical Care Medicine</i> , 2011 , 39, 335-43	1.4	34
174	Lipid antioxidants: free radical scavenging versus regulation of enzymatic lipid peroxidation. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2011 , 48, 91-5	3.1	34
173	Mitochondrial injury after mechanical stretch of cortical neurons in vitro: biomarkers of apoptosis and selective peroxidation of anionic phospholipids. <i>Journal of Neurotrauma</i> , 2012 , 29, 776-88	5.4	34
172	Cytochrome c release is required for phosphatidylserine peroxidation during Fas-triggered apoptosis in lung epithelial A549 cells. <i>Lipids</i> , 2004 , 39, 1133-42	1.6	34
171	Polymorphonuclear myeloid-derived suppressor cells limit antigen cross-presentation by dendritic cells in cancer. <i>JCI Insight</i> , 2020 , 5,	9.9	34
170	Designing inhibitors of cytochrome c/cardiolipin peroxidase complexes: mitochondria-targeted imidazole-substituted fatty acids. <i>Free Radical Biology and Medicine</i> , 2014 , 71, 221-230	7.8	33
169	Selective peroxidation and externalization of phosphatidylserine in normal human epidermal keratinocytes during oxidative stress induced by cumene hydroperoxide. <i>Journal of Investigative Dermatology</i> , 2002 , 118, 1008-18	4.3	33
168	Imaging mass spectrometry reveals loss of polyunsaturated cardiolipins in the cortical contusion, hippocampus, and thalamus after traumatic brain injury. <i>Journal of Neurochemistry</i> , 2016 , 139, 659-675	6	33

167	Defect-Induced Near-Infrared Photoluminescence of Single-Walled Carbon Nanotubes Treated with Polyunsaturated Fatty Acids. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4859-4865	16.4	31
166	Reconstitution of apo-superoxide dismutase by nitric oxide-induced copper transfer from metallothioneins. <i>Chemical Research in Toxicology</i> , 2000 , 13, 922-31	4	31
165	Phospholipase iPLA β averts ferroptosis by eliminating a redox lipid death signal. <i>Nature Chemical Biology</i> , 2021 , 17, 465-476	11.7	31
164	Nano-gold corking and enzymatic uncorking of carbon nanotube cups. <i>Journal of the American Chemical Society</i> , 2015 , 137, 675-84	16.4	30
163	Oxidative lipidomics of apoptosis: quantitative assessment of phospholipid hydroperoxides in cells and tissues. <i>Methods in Molecular Biology</i> , 2010 , 610, 353-74	1.4	30
162	Glutamate-induced cytotoxicity in PC12 pheochromocytoma cells: role of oxidation of phospholipids, glutathione and protein sulfhydryls revealed by bcl-2 transfection. <i>Molecular Brain Research</i> , 1998 , 60, 270-81		30
161	PLA2G6 guards placental trophoblasts against ferroptotic injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 27319-27328	11.5	30
160	Excessive phospholipid peroxidation distinguishes ferroptosis from other cell death modes including pyroptosis. <i>Cell Death and Disease</i> , 2020 , 11, 922	9.8	30
159	NADH and NADPH-dependent reduction of coenzyme Q at the plasma membrane. <i>Antioxidants and Redox Signaling</i> , 2000 , 2, 251-62	8.4	29
158	A Topical Mitochondria-Targeted Redox-Cycling Nitroxide Mitigates Oxidative Stress-Induced Skin Damage. <i>Journal of Investigative Dermatology</i> , 2017 , 137, 576-586	4.3	28
157	Dual acute proinflammatory and antifibrotic pulmonary effects of short palate, lung, and nasal epithelium clone-1 after exposure to carbon nanotubes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013 , 49, 759-67	5.7	28
156	Increased S-nitrosothiols and S-nitrosoalbumin in cerebrospinal fluid after severe traumatic brain injury in infants and children: indirect association with intracranial pressure. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003 , 23, 51-61	7.3	28
155	Nitric oxide-dependent pro-oxidant and pro-apoptotic effect of metallothioneins in HL-60 cells challenged with cupric nitritotriacetate. <i>Biochemical Journal</i> , 2001 , 354, 397-406	3.8	28
154	PEBP1 acts as a rheostat between prosurvival autophagy and ferroptotic death in asthmatic epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 14376-14385	11.5	27
153	LC/MS characterization of rotenone induced cardiolipin oxidation in human lymphocytes: implications for mitochondrial dysfunction associated with Parkinson's disease. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 1410-22	5.9	27
152	Mitochondria-targeted (2-hydroxyamino-vinyl)-triphenyl-phosphonium releases NO(.) and protects mouse embryonic cells against irradiation-induced apoptosis. <i>FEBS Letters</i> , 2009 , 583, 1945-50	3.8	27
151	Nitric oxide and zinc homeostasis in acute lung injury. <i>Proceedings of the American Thoracic Society</i> , 2005 , 2, 236-42		27
150	Antioxidant and antiapoptotic function of metallothioneins in HL-60 cells challenged with copper nitritotriacetate. <i>Chemical Research in Toxicology</i> , 2000 , 13, 1275-86	4	27

149	"Redox lipidomics technology: Looking for a needle in a haystack". <i>Chemistry and Physics of Lipids</i> , 2019 , 221, 93-107	3.7	26
148	Structural characterization of cardiolipin-driven activation of cytochrome c into a peroxidase and membrane perturbation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 1057-1068	3.8	26
147	TNFR1/phox interaction and TNFR1 mitochondrial translocation Thwart silica-induced pulmonary fibrosis. <i>Journal of Immunology</i> , 2014 , 192, 3837-46	5.3	26
146	Mitochondria targeting of non-peroxidizable triphenylphosphonium conjugated oleic acid protects mouse embryonic cells against apoptosis: role of cardiolipin remodeling. <i>FEBS Letters</i> , 2012 , 586, 235-41	3.8	26
145	Assessments of thiyl radicals in biosystems: difficulties and new applications. <i>Analytical Chemistry</i> , 2011 , 83, 6432-8	7.8	26
144	Induction of caspase- and reactive oxygen species-independent phosphatidylserine externalization in primary human neutrophils: role in macrophage recognition and engulfment. <i>Journal of Leukocyte Biology</i> , 2009 , 85, 427-37	6.5	26
143	The intracellular domain of p75NTR as a determinant of cellular reducing potential and response to oxidant stress. <i>Aging Cell</i> , 2005 , 4, 187-96	9.9	26
142	Selective oxidation and externalization of membrane phosphatidylserine: Bcl-2-induced potentiation of the final common pathway for apoptosis. <i>Brain Research</i> , 1999 , 831, 125-30	3.7	26
141	Peroxidase-catalyzed pro- versus antioxidant effects of 4-hydroxytamoxifen: enzyme specificity and biochemical sequelae. <i>Chemical Research in Toxicology</i> , 1999 , 12, 28-37	4	26
140	Toward mechanism-based antioxidant interventions: lessons from natural antioxidants. <i>Annals of the New York Academy of Sciences</i> , 2002 , 959, 188-98	6.5	25
139	NO-redox paradox: direct oxidation of alpha-tocopherol and alpha-tocopherol-mediated oxidation of ascorbate. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 219, 835-41	3.4	25
138	Antioxidant activity of alpha-tocopherol, beta-carotene, and ubiquinol in membranes: cis-parinaric acid-incorporated liposomes. <i>Methods in Enzymology</i> , 1994 , 234, 371-83	1.7	25
137	Redox phospholipidomics of enzymatically generated oxygenated phospholipids as specific signals of programmed cell death. <i>Free Radical Biology and Medicine</i> , 2020 , 147, 231-241	7.8	25
136	Serum total antioxidant activity in relative hypo- and hypercholesterolemia. <i>Free Radical Research</i> , 1996 , 25, 239-45	4	24
135	The cyclooxygenase site, but not the peroxidase site of cyclooxygenase-2 is required for neurotoxicity in hypoxic and ischemic injury. <i>Journal of Neurochemistry</i> , 2010 , 113, 965-77	6	23
134	Novel predictors of overt nephropathy in subjects with type 1 diabetes. A nested case control study from the Pittsburgh Epidemiology of Diabetes Complications cohort. <i>Nephrology Dialysis Transplantation</i> , 2006 , 21, 93-100	4.3	23
133	Toward oxidative lipidomics of cell signaling. <i>Antioxidants and Redox Signaling</i> , 2004 , 6, 199-202	8.4	23
132	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. <i>Toxicology</i> , 2005 , 208, 259-71	4.4	23

131	Early antioxidant therapy with Tempol during hemorrhagic shock increases survival in rats. <i>Journal of Trauma</i> , 2002 , 53, 968-77		23
130	Resolving the paradox of ferroptotic cell death: Ferrostatin-1 binds to 15LOX/PEBP1 complex, suppresses generation of peroxidized ETE-PE, and protects against ferroptosis. <i>Redox Biology</i> , 2021 , 38, 101744	11.3	23
129	Redox (phospho)lipidomics of signaling in inflammation and programmed cell death. <i>Journal of Leukocyte Biology</i> , 2019 , 106, 57-81	6.5	22
128	Specificity of lipoprotein-associated phospholipase A(2) toward oxidized phosphatidylserines: liquid chromatography-electrospray ionization mass spectrometry characterization of products and computer modeling of interactions. <i>Biochemistry</i> , 2012 , 51, 9736-50	3.2	22
127	Nitric oxide and thioredoxin type 1 modulate the activity of caspase 8 in HepG2 cells. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 1127-30	3.4	22
126	A manganese-porphyrin complex decomposes H ₂ O ₂ , inhibits apoptosis, and acts as a radiation mitigator in vivo. <i>ACS Medicinal Chemistry Letters</i> , 2011 , 2, 814-817	4.3	22
125	Myeloperoxidase-dependent oxidation of etoposide in human myeloid progenitor CD34+ cells. <i>Molecular Pharmacology</i> , 2011 , 79, 479-87	4.3	22
124	Oxidation and cytotoxicity of 6-OHDA are mediated by reactive intermediates of COX-2 overexpressed in PC12 cells. <i>Brain Research</i> , 2006 , 1093, 71-82	3.7	22
123	Antioxidant depletion, lipid peroxidation, and impairment of calcium transport induced by air-blast overpressure in rat lungs. <i>Experimental Lung Research</i> , 1996 , 22, 179-200	2.3	22
122	A critical role for increased labile zinc in reducing sensitivity of cultured sheep pulmonary artery endothelial cells to LPS-induced apoptosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012 , 302, L1287-95	5.8	21
121	Activation of NO donors in mitochondria: peroxidase metabolism of (2-hydroxyamino-vinyl)-triphenyl-phosphonium by cytochrome c releases NO and protects cells against apoptosis. <i>FEBS Letters</i> , 2008 , 582, 725-8	3.8	21
120	Nitric oxide-dependent pro-oxidant and pro-apoptotic effect of metallothioneins in HL-60 cells challenged with cupric nitrilotriacetate. <i>Biochemical Journal</i> , 2001 , 354, 397-406	3.8	21
119	Sensitive and specific fluorescent probing of oxidative stress in different classes of membrane phospholipids in live cells using metabolically integrated cis-parinaric acid. <i>Methods in Molecular Biology</i> , 1998 , 108, 71-87	1.4	21
118	"Only a Life Lived for Others Is Worth Living": Redox Signaling by Oxygenated Phospholipids in Cell Fate Decisions. <i>Antioxidants and Redox Signaling</i> , 2018 , 29, 1333-1358	8.4	20
117	Aiming for the target: Mitochondrial drug delivery in traumatic brain injury. <i>Neuropharmacology</i> , 2019 , 145, 209-219	5.5	20
116	Molecular speciation and dynamics of oxidized triacylglycerols in lipid droplets: Mass spectrometry and coarse-grained simulations. <i>Free Radical Biology and Medicine</i> , 2014 , 76, 53-60	7.8	20
115	Nitric oxide and dihydrolipoic acid modulate the activity of caspase 3 in HepG2 cells. <i>FEBS Letters</i> , 2009 , 583, 3525-30	3.8	20
114	LPS-induced decrease in intracellular labile zinc, [Zn] ²⁺ , contributes to apoptosis in cultured sheep pulmonary artery endothelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011 , 300, L624-32	5.8	20

113	Cell-surface protein disulfide isomerase is required for transnitrosation of metallothionein by S-nitroso-albumin in intact rat pulmonary vascular endothelial cells. <i>Experimental Biology and Medicine</i> , 2006 , 231, 1507-15	3.7	20
112	Disentangling oxidation/hydrolysis reactions of brain mitochondrial cardiolipins in pathogenesis of traumatic injury. <i>JCI Insight</i> , 2018 , 3,	9.9	20
111	Secondary-Ion Mass Spectrometry Images Cardiolipins and Phosphatidylethanolamines at the Subcellular Level. <i>Angewandte Chemie</i> , 2019 , 131, 3188-3193	3.6	19
110	Inhibition of Peroxidase Activity of Cytochrome c: De Novo Compound Discovery and Validation. <i>Molecular Pharmacology</i> , 2015 , 88, 421-7	4.3	19
109	NME4/nucleoside diphosphate kinase D in cardiolipin signaling and mitophagy. <i>Laboratory Investigation</i> , 2018 , 98, 228-232	5.9	19
108	Mitochondrial Redox Opto-Lipidomics Reveals Mono-Oxygenated Cardiolipins as Pro-Apoptotic Death Signals. <i>ACS Chemical Biology</i> , 2016 , 11, 530-40	4.9	19
107	Fantastic voyage and opportunities of engineered nanomaterials: what are the potential risks of occupational exposures?. <i>Journal of Occupational and Environmental Medicine</i> , 2010 , 52, 943-6	2	19
106	Protection of normal brain cells from β irradiation-induced apoptosis by a mitochondria-targeted triphenyl-phosphonium-nitroxide: a possible utility in glioblastoma therapy. <i>Journal of Neuro-Oncology</i> , 2010 , 100, 1-8	4.8	19
105	Quantitation of S-nitrosothiols in cells and biological fluids. <i>Methods in Enzymology</i> , 2002 , 352, 347-60	1.7	19
104	NADPH-dependent inhibition of lipid peroxidation in rat liver microsomes. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 186, 74-80	3.4	19
103	CD36 Provides Host Protection Against Klebsiella pneumoniae Intrapulmonary Infection by Enhancing Lipopolysaccharide Responsiveness and Macrophage Phagocytosis. <i>Journal of Infectious Diseases</i> , 2016 , 214, 1865-1875	7	19
102	Moderate ascorbate deficiency increases myogenic tone of arteries from pregnant but not virgin ascorbate-dependent rats. <i>Hypertension</i> , 2006 , 47, 454-60	8.5	18
101	Mishandling of copper by albumin: role in redox-cycling and oxidative stress in preeclampsia plasma. <i>Hypertension in Pregnancy</i> , 2001 , 20, 221-41	2	18
100	Characterization of Differential Dynamics, Specificity, and Allostery of Lipoyxygenase Family Members. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 2496-2508	6.1	18
99	Mitochondrial damage & lipid signaling in traumatic brain injury. <i>Experimental Neurology</i> , 2020 , 329, 113307	3.07	18
98	LPS impairs oxygen utilization in epithelia by triggering degradation of the mitochondrial enzyme Alcat1. <i>Journal of Cell Science</i> , 2016 , 129, 51-64	5.3	17
97	Lipidomics and RNA sequencing reveal a novel subpopulation of nanovesicle within extracellular matrix biomaterials. <i>Science Advances</i> , 2020 , 6, eaay4361	14.3	17
96	Mass-spectrometric characterization of phospholipids and their hydroperoxide derivatives in vivo: effects of total body irradiation. <i>Methods in Molecular Biology</i> , 2009 , 580, 153-83	1.4	17

95	Peroxidase activation of cytoglobin by anionic phospholipids: Mechanisms and consequences. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016 , 1861, 391-401	5	17
94	Lipidomics Characterization of Biosynthetic and Remodeling Pathways of Cardiolipins in Genetically and Nutritionally Manipulated Yeast Cells. <i>ACS Chemical Biology</i> , 2017 , 12, 265-281	4.9	16
93	Surface-Binding to Cardiolipin Nanodomains Triggers Cytochrome c Pro-apoptotic Peroxidase Activity via Localized Dynamics. <i>Structure</i> , 2019 , 27, 806-815.e4	5.2	16
92	Abnormalities in the male reproductive system after exposure to diesel and biodiesel blend. <i>Environmental and Molecular Mutagenesis</i> , 2015 , 56, 265-76	3.2	16
91	Necrostatin-1 rescues mice from lethal irradiation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 850-856	6.9	16
90	Mild mitochondrial metabolic deficits by α -ketoglutarate dehydrogenase inhibition cause prominent changes in intracellular autophagic signaling: Potential role in the pathobiology of Alzheimer's disease. <i>Neurochemistry International</i> , 2016 , 96, 32-45	4.4	16
89	Improved spatial resolution of matrix-assisted laser desorption/ionization imaging of lipids in the brain by alkylated derivatives of 2,5-dihydroxybenzoic acid. <i>Rapid Communications in Mass Spectrometry</i> , 2014 , 28, 403-12	2.2	16
88	Are mitochondrial reactive oxygen species required for autophagy?. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 412, 55-60	3.4	16
87	Anti/pro-oxidant effects of phenolic compounds in cells: are colchicine metabolites chain-breaking antioxidants?. <i>Toxicology</i> , 2002 , 177, 105-17	4.4	16
86	Aberrant cardiolipin metabolism is associated with cognitive deficiency and hippocampal alteration in tafazzin knockdown mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 3353-3367	6.9	15
85	Antioxidant Approaches to Management of Ionizing Irradiation Injury. <i>Antioxidants</i> , 2015 , 4, 82-101	7.1	15
84	Synthetic protection short interfering RNA screen reveals glyburide as a novel radioprotector. <i>Radiation Research</i> , 2009 , 172, 414-22	3.1	15
83	Differential membrane antioxidant effects of immediate and long-term estradiol treatment of MCF-7 breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 260, 410-5	3.4	15
82	Mitochondria modulate programmed neuritic retraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 650-659	11.5	15
81	Paths to Successful Translation of New Therapies for Severe Traumatic Brain Injury in the Golden Age of Traumatic Brain Injury Research: A Pittsburgh Vision. <i>Journal of Neurotrauma</i> , 2020 , 37, 2353-2371	5.4	15
80	Payload drug vs. nanocarrier biodegradation by myeloperoxidase- and peroxynitrite-mediated oxidations: pharmacokinetic implications. <i>Nanoscale</i> , 2015 , 7, 8689-94	7.7	14
79	Mitochondrial NM23-H4/NDPK-D: a bifunctional nanoswitch for bioenergetics and lipid signaling. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015 , 388, 271-8	3.4	14
78	Structural re-arrangement and peroxidase activation of cytochrome c by anionic analogues of vitamin E, tocopherol succinate and tocopherol phosphate. <i>Journal of Biological Chemistry</i> , 2014 , 289, 32488-98	5.4	14

77	Radioprotection by short-term oxidative preconditioning: role of manganese superoxide dismutase. <i>FEBS Letters</i> , 2009 , 583, 3437-42	3.8	14
76	Targeting nitroxides to mitochondria: location, location, location, and ...concentration: highlight commentary on "Mitochondria superoxide dismutase mimetic inhibits peroxide-induced oxidative damage and apoptosis: role of mitochondrial superoxide". <i>Free Radical Biology and Medicine</i> , 2007 , 43, 518-520	7.8	14
75	Antioxidants and coronary artery disease among individuals with type 1 diabetes: Findings from the Pittsburgh Epidemiology of Diabetes Complications Study. <i>Journal of Diabetes and Its Complications</i> , 2006 , 20, 387-94	3.2	14
74	Endogenously generated hydrogen peroxide is required for execution of melphalan-induced apoptosis as well as oxidation and externalization of phosphatidylserine. <i>Chemical Research in Toxicology</i> , 2004 , 17, 685-96	4	14
73	Ferroptotic cell death triggered by conjugated linolenic acids is mediated by ACSL1. <i>Nature Communications</i> , 2021 , 12, 2244	17.4	14
72	Biosynthesis of oxidized lipid mediators via lipoprotein-associated phospholipase A2 hydrolysis of extracellular cardiolipin induces endothelial toxicity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 311, L303-16	5.8	14
71	Mediation of the single-walled carbon nanotubes induced pulmonary fibrogenic response by osteopontin and TGF- β . <i>Experimental Lung Research</i> , 2017 , 43, 311-326	2.3	13
70	Elucidating the contribution of mitochondrial glutathione to ferroptosis in cardiomyocytes. <i>Redox Biology</i> , 2021 , 45, 102021	11.3	13
69	Mass-spectrometric characterization of peroxidized and hydrolyzed lipids in plasma and dendritic cells of tumor-bearing animals. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 413, 149-53 ³⁻⁴	3.4	12
68	Mechanisms of nitric oxide protection against tert-butyl hydroperoxide-induced cytotoxicity in iNOS-transduced human erythroleukemia cells. <i>Biochemistry</i> , 1999 , 38, 10691-8	3.2	12
67	Light-induced generation of vitamin E radicals: assessing vitamin E regeneration. <i>Methods in Enzymology</i> , 1994 , 234, 316-20	1.7	12
66	Quantitative method of measuring phosphatidylserine externalization during apoptosis using electron paramagnetic resonance (EPR) spectroscopy and annexin-conjugated iron. <i>Methods in Molecular Biology</i> , 2014 , 1105, 613-21	1.4	12
65	Phospholipids of APOE lipoproteins activate microglia in an isoform-specific manner in preclinical models of Alzheimer's disease. <i>Nature Communications</i> , 2021 , 12, 3416	17.4	12
64	Elimination of the unnecessary: Intra- and extracellular signaling by anionic phospholipids. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 482, 482-490	3.4	11
63	Global assessment of oxidized free fatty acids in brain reveals an enzymatic predominance to oxidative signaling after trauma. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 2601-2613	6.9	11
62	Serine-47 phosphorylation of cytochrome in the mammalian brain regulates cytochrome oxidase and caspase-3 activity. <i>FASEB Journal</i> , 2019 , 33, 13503-13514	0.9	11
61	Developmental toxicity of engineered nanoparticles 2011 , 269-290		11
60	Prevention of catecholaminergic oxidative toxicity by 4-hydroxy-2,2,6,6-tetramethylpiperidine-1-oxyl and its recycling complex with polynitroxylated albumin, TEMPOL/PNA. <i>Brain Research</i> , 2004 , 1012, 13-21	3.7	11

59	Lipidomics Detection of Brain Cardiolipins in Plasma Is Associated With Outcome After Cardiac Arrest. <i>Critical Care Medicine</i> , 2019 , 47, e292-e300	1.4	11
58	Targeting myeloid regulators by paclitaxel-loaded enzymatically degradable nanocups. <i>Nanoscale</i> , 2018 , 10, 17990-18000	7.7	11
57	Thiol oxidation enforces phosphatidylserine externalization in apoptosis-sensitive and -resistant cells through a deltapسيم/cytochrome C release-dependent mechanism. <i>Antioxidants and Redox Signaling</i> , 2004 , 6, 203-8	8.4	10
56	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. <i>Antioxidants and Redox Signaling</i> , 2004 , 6, 227-36	8.4	10
55	Depletion of Bcl-2 by an antisense oligonucleotide induces apoptosis accompanied by oxidation and externalization of phosphatidylserine in NCI-H226 lung carcinoma cells. <i>Molecular and Cellular Biochemistry</i> , 2002 , 234/235, 125-133	4.2	10
54	Paraquat-induced phosphatidylserine oxidation and apoptosis are independent of activation of PLA2. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1998 , 274, L793-802	5.8	10
53	Amelioration of radiation esophagitis by orally administered p53/Mdm2/Mdm4 inhibitor (BEB55) or GS-nitroxide. <i>In Vivo</i> , 2011 , 25, 841-8	2.3	10
52	Direct Mapping of Phospholipid Ferroptotic Death Signals in Cells and Tissues by Gas Cluster Ion Beam Secondary Ion Mass Spectrometry (GCIB-SIMS). <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11784-11788	16.4	10
51	Interrogating Parkinson's disease associated redox targets: Potential application of CRISPR editing. <i>Free Radical Biology and Medicine</i> , 2019 , 144, 279-292	7.8	9
50	Ins and Outs in Environmental and Occupational Safety Studies of Asthma and Engineered Nanomaterials. <i>ACS Nano</i> , 2017 , 11, 7565-7571	16.7	9
49	Recognition of live phosphatidylserine-labeled tumor cells by dendritic cells: a novel approach to immunotherapy of skin cancer. <i>Cancer Research</i> , 2009 , 69, 2487-96	10.1	9
48	Quantification of selective phosphatidylserine oxidation during apoptosis. <i>Methods in Molecular Biology</i> , 2005 , 291, 449-56	1.4	9
47	tert-butyl hydroperoxide/hemoglobin-induced oxidative stress and damage to vascular smooth muscle cells: different effects of nitric oxide and nitrosothiols. <i>Biochemical Pharmacology</i> , 1999 , 57, 989-1001	9	9
46	Unusual peroxidase activity of polynitroxylated pegylated hemoglobin: Elimination of H ₂ O ₂ coupled with intramolecular oxidation of nitroxides. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 399, 139-43	3.4	8
45	Bcl-2-mediated potentiation of neocarzinostatin-induced apoptosis: requirement for caspase-3, sulfhydryl groups, and cleavable Bcl-2. <i>Cancer Chemotherapy and Pharmacology</i> , 2006 , 57, 357-67	3.5	8
44	Ferroptosis induces membrane blebbing in placental trophoblasts. <i>Journal of Cell Science</i> , 2022 , 135,	5.3	8
43	Stressed erythrophagocytosis induces immunosuppression during sepsis through heme-mediated STAT1 dysregulation. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	8
42	Nanoemitters and innate immunity: the role of surfactants and bio-coronas in myeloperoxidase-catalyzed oxidation of pristine single-walled carbon nanotubes. <i>Nanoscale</i> , 2017 , 9, 5948-5956	7.7	7

41	Detection of brain specific cardiolipins in plasma after experimental pediatric head injury. <i>Experimental Neurology</i> , 2019 , 316, 63-73	5.7	7
40	Lipid homeostasis and inflammatory activation are disturbed in classically activated macrophages with peroxisomal β oxidation deficiency. <i>Immunology</i> , 2018 , 153, 342-356	7.8	7
39	Succinobucol induces apoptosis in vascular smooth muscle cells. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 871-9	7.8	7
38	Cytoprotective effects of albumin, nitrosated or reduced, in cultured rat pulmonary vascular cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011 , 300, L526-33	5.8	7
37	Peroxidation of phosphatidylserine in mechanisms of apoptotic signaling. <i>Methods in Enzymology</i> , 2002 , 352, 159-74	1.7	7
36	Increased S-Nitrosothiols and S-Nitrosoalbumin in Cerebrospinal Fluid After Severe Traumatic Brain Injury in Infants and Children: Indirect Association With Intracranial Pressure. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003 , 51-61	7.3	7
35	Lysocardiolipin acyltransferase regulates NSCLC cell proliferation and migration by modulating mitochondrial dynamics. <i>Journal of Biological Chemistry</i> , 2020 , 295, 13393-13406	5.4	7
34	Genetic re-engineering of polyunsaturated phospholipid profile of <i>Saccharomyces cerevisiae</i> identifies a novel role for Cld1 in mitigating the effects of cardiolipin peroxidation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018 , 1863, 1354-1368	5	7
33	A high-throughput screening assay of ascorbate in brain samples. <i>Journal of Neuroscience Methods</i> , 2011 , 201, 185-90	3	6
32	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. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 270, 1086-92	3.4	6
31	C-ferroptosis is an iron-dependent form of regulated cell death in cyanobacteria. <i>Journal of Cell Biology</i> , 2022 , 221,	7.3	6
30	Bioactive Oxylipins in Infants and Children With Congenital Heart Disease Undergoing Pediatric Cardiopulmonary Bypass. <i>Pediatric Critical Care Medicine</i> , 2020 , 21, 33-41	3	6
29	Prokineticin-2 prevents neuronal cell deaths in a model of traumatic brain injury. <i>Nature Communications</i> , 2021 , 12, 4220	17.4	6
28	A new thiol-independent mechanism of epithelial host defense against <i>Pseudomonas aeruginosa</i> : iNOS/NO sabotage of theft-ferroptosis. <i>Redox Biology</i> , 2021 , 45, 102045	11.3	5
27	Keratinocyte death by ferroptosis initiates skin inflammation after UVB exposure. <i>Redox Biology</i> , 2021 , 47, 102143	11.3	5
26	Carbon Nanotubes: Biodegradation of Single-Walled Carbon Nanotubes by Eosinophil Peroxidase (Small 16/2013). <i>Small</i> , 2013 , 9, 2720-2720	11	4
25	Reply to "The flip side of cardiolipin import". <i>Nature Medicine</i> , 2011 , 17, 413-414	50.5	4
24	Nitric oxide prevents myoglobin/tert-butyl hydroperoxide-induced inhibition of Ca ²⁺ transport in skeletal and cardiac sarcoplasmic reticulum. <i>Annals of the New York Academy of Sciences</i> , 1999 , 874, 371-385	6.5	4

23	Conjugated linolenic fatty acids trigger ferroptosis in triple-negative breast cancer		4
22	NO Represses the Oxygenation of Arachidonoyl PE by 15LOX/PEBP1: Mechanism and Role in Ferroptosis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
21	Successive High-Resolution (HO)-GCIB and C-SIMS Imaging Integrates Multi-Omics in Different Cell Types in Breast Cancer Tissue. <i>Analytical Chemistry</i> , 2021 , 93, 8143-8151	7.8	4
20	Correction: Oxidized Lipids Block Antigen Cross-Presentation by Dendritic Cells in Cancer. <i>Journal of Immunology</i> , 2014 , 192, 4935-4935	5.3	3
19	Syrian hamsters as a model of lung injury with SARS-CoV-2 infection: Pathologic, physiologic, and detailed molecular profiling. <i>Translational Research</i> , 2021 ,	11	3
18	15LO1 dictates glutathione redox changes in asthmatic airway epithelium to worsen type-2 inflammation. <i>Journal of Clinical Investigation</i> , 2021 ,	15.9	3
17	Quantification of selective phosphatidylserine oxidation during apoptosis. <i>Methods in Molecular Biology</i> , 2014 , 1105, 603-11	1.4	3
16	Photoluminescence Response in Carbon Nanomaterials to Enzymatic Degradation. <i>Analytical Chemistry</i> , 2020 , 92, 12880-12890	7.8	3
15	Depletion of Bcl-2 by an antisense oligonucleotide induces apoptosis accompanied by oxidation and externalization of phosphatidylserine in NCI-H226 lung carcinoma cells. <i>Molecular and Cellular Biochemistry</i> , 2002 , 234-235, 125-33	4.2	3
14	Deciphering the mysteries of cardiolipins in mitochondria. <i>Chemistry and Physics of Lipids</i> , 2014 , 179, 1-2	3.7	2
13	Lipid Peroxidation In Biomembranes		2
12	Myeloid-cell derived oxidized lipids and regulation of the tumor microenvironment. <i>Cancer Research</i> , 2021 ,	10.1	2
11	Depletion of Bcl-2 by an antisense oligonucleotide induces apoptosis accompanied by oxidation and externalization of phosphatidylserine in NCI-H226 lung carcinoma cells 2002 , 125-133		2
10	Developmental Toxicity of Engineered Nanomaterials 2017 , 333-357		1
9	Quantitative method of measuring phosphatidylserine externalization during apoptosis using electron paramagnetic resonance spectroscopy and annexin-conjugated iron. <i>Methods in Molecular Biology</i> , 2005 , 291, 457-64	1.4	1
8	Inactivation of RIP3 kinase sensitizes to 15LOX/PEBP1-mediated ferroptotic death.. <i>Redox Biology</i> , 2022 , 50, 102232	11.3	1
7	Necroptosis triggers spatially restricted neutrophil-mediated vascular damage during lung ischemia reperfusion injury.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2111537119	11.5	1
6	Direct Mapping of Phospholipid Ferroptotic Death Signals in Cells and Tissues by Gas Cluster Ion Beam Secondary Ion Mass Spectrometry (GCIB-SIMS). <i>Angewandte Chemie</i> , 2021 , 133, 11890-11894	3.6	0

5	Redox Epiphospholipidome in Programmed Cell Death Signaling: Catalytic Mechanisms and Regulation. <i>Frontiers in Endocrinology</i> , 2020 , 11, 628079	5.7	○
4	Activation of Cytochrome C Peroxidase Function Through Coordinated Foldon Loop Dynamics upon Interaction with Anionic Lipids. <i>Journal of Molecular Biology</i> , 2021 , 433, 167057	6.5	○
3	Integrated -omics approach reveals persistent DNA damage rewires lipid metabolism and histone hyperacetylation via MYS-1/Tip60.. <i>Science Advances</i> , 2022 , 8, eabl6083	14.3	○
2	Corrigendum to Activation of NO donors in mitochondria: Peroxidase metabolism of (2-hydroxyamino-vinyl)-triphenyl-phosphonium by cytochrome c releases NO and protects cells against apoptosis[FEBS Lett. 582 (2008) 725-728]. <i>FEBS Letters</i> , 2008 , 582, 1634-1634	3.8	
1	Lipids as regulators of inflammation and tissue regeneration 2021 , 175-193		