Jianfei Jiang

List of Publications by Year
in descending order

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		201674	330143
37	5,334	27	37
papers	citations	h-index	g-index

37	37	37	6040
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxidized arachidonic and adrenic PEs navigate cells to ferroptosis. Nature Chemical Biology, 2017, 13, 81-90.	8.0	1,589
2	Cytochrome c acts as a cardiolipin oxygenase required for release of proapoptotic factors. Nature Chemical Biology, 2005, 1, 223-232.	8.0	1,088
3	Cytochrome c/cardiolipin relations in mitochondria: a kiss of death. Free Radical Biology and Medicine, 2009, 46, 1439-1453.	2.9	382
4	Oxidative lipidomics of apoptosis: redox catalytic interactions of cytochrome c with cardiolipin and phosphatidylserine. Free Radical Biology and Medicine, 2004, 37, 1963-1985.	2.9	320
5	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.	13.7	146
6	A mitochondrial pathway for biosynthesis of lipid mediators. Nature Chemistry, 2014, 6, 542-552.	13.6	130
7	NADPH Oxidase-dependent Oxidation and Externalization of Phosphatidylserine during Apoptosis in Me2SO-differentiated HL-60 Cells. Journal of Biological Chemistry, 2002, 277, 49965-49975.	3.4	123
8	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.	2.5	110
9	Mitochondrial targeting of electron scavenging antioxidants: Regulation of selective oxidation vs random chain reactionsâ˜†. Advanced Drug Delivery Reviews, 2009, 61, 1375-1385.	13.7	103
10	Dual Function of Mitochondrial Nm23-H4 Protein in Phosphotransfer and Intermembrane Lipid Transfer. Journal of Biological Chemistry, 2013, 288, 111-121.	3.4	92
11	A mitochondria-targeted inhibitor of cytochrome c peroxidase mitigates radiation-induced death. Nature Communications, 2011, 2, 497.	12.8	91
12	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.	2.5	80
13	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.	0.8	80
14	Hemigramicidinâ€“TEMPO conjugates: Novel mitochondria-targeted anti-oxidants. Biochemical Pharmacology, 2007, 74, 801-809.	4.4	77
15	Mechanisms of Cardiolipin Oxidation by Cytochrome c: Relevance to Pro- and Antiapoptotic Functions of Etoposide. Molecular Pharmacology, 2006, 70, 706-717.	2.3	76
16	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.	3.9	76
17	A Mitochondria-Targeted Triphenylphosphonium-Conjugated Nitroxide Functions as a Radioprotector/Mitigator. Radiation Research, 2009, 172, 706-717.	1.5	76
18	Interplay between bax, reactive oxygen species production, and cardiolipin oxidation during apoptosis. Biochemical and Biophysical Research Communications, 2008, 368, 145-150.	2.1	73

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19	Cardiolipin deficiency leads to decreased cardiolipin peroxidation and increased resistance of cells to apoptosis. Free Radical Biology and Medicine, 2008, 44, 1935-1944.	2.9	66
20	Arachidonic acidâ€induced carbonâ€centered radicals and phospholipid peroxidation in cycloâ€oxygenaseâ€2â€transfected PC12 cells. Journal of Neurochemistry, 2004, 90, 1036-1049.	3.9	58
21	Phosphatidylserine peroxidation/externalization during staurosporine-induced apoptosis in HL-60 cells. FEBS Letters, 2002, 524, 25-30.	2.8	57
22	Peroxidation and externalization of phosphatidylserine associated with release of cytochrome c from mitochondria. Free Radical Biology and Medicine, 2003, 35, 814-825.	2.9	52
23	Cardiolipin-Specific Peroxidase Reactions of Cytochrome c in Mitochondria During Irradiation-Induced Apoptosis. International Journal of Radiation Oncology Biology Physics, 2007, 69, 176-186.	0.8	52
24	Designing inhibitors of cytochrome c/cardiolipin peroxidase complexes: mitochondria-targeted imidazole-substituted fatty acids. Free Radical Biology and Medicine, 2014, 71, 221-230.	2.9	40
25	Cytochrome c release is required for phosphatidylserine peroxidation during fas-triggered apoptosis in lung epithelial A549 cells. Lipids, 2004, 39, 1133-1142.	1.7	36
26	Design and Synthesis of a Mitochondria-Targeted Mimic of Glutathione Peroxidase, MitoEbselen-2, as a Radiation Mitigator. ACS Medicinal Chemistry Letters, 2014, 5, 1304-1307.	2.8	33
27	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.	2.8	27
28	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.	3.9	26
29	A Manganeseâ€“Porphyrin Complex Decomposes H₂O₂, Inhibits Apoptosis, and Acts as a Radiation Mitigator in Vivo. ACS Medicinal Chemistry Letters, 2011, 2, 814-817.	2.8	26
30	Oxidation and cytotoxicity of 6-OHDA are mediated by reactive intermediates of COX-2 overexpressed in PC12 cells. Brain Research, 2006, 1093, 71-82.	2.2	25
31	Mitochondrial Redox Opto-Lipidomics Reveals Mono-Oxygenated Cardiolipins as Pro-Apoptotic Death Signals. ACS Chemical Biology, 2016, 11, 530-540.	3.4	22
32	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.	2.9	20
33	LPS impairs oxygen utilization in epithelia by triggering degradation of the mitochondrial enzyme Alcat1. Journal of Cell Science, 2016, 129, 51-64.	2.0	19
34	Are mitochondrial reactive oxygen species required for autophagy?. Biochemical and Biophysical Research Communications, 2011, 412, 55-60.	2.1	17
35	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.	3.3	16
36	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.	2.9	16

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37	Group-Based Trajectory Modeling of Healthcare Financial Charges in Inflammatory Bowel Disease: A Comprehensive Phenotype. Clinical and Translational Gastroenterology, 2016, 7, e181.	2.5	14