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	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
3	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
4	Mitochondrial Redox Opto-Lipidomics Reveals Mono-Oxygenated Cardiolipins as Pro-Apoptotic Death Signals. ACS Chemical Biology, 2016, 11, 530-540.	3.4	22
5	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
6	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
7	A mitochondrial pathway for biosynthesis of lipid mediators. Nature Chemistry, 2014, 6, 542-552.	13.6	130
8	Dual Function of Mitochondrial Nm23-H4 Protein in Phosphotransfer and Intermembrane Lipid Transfer. Journal of Biological Chemistry, 2013, 288, 111-121.	3.4	92
9	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
10	Are mitochondrial reactive oxygen species required for autophagy?. Biochemical and Biophysical Research Communications, 2011, 412, 55-60.	2.1	17
11	A mitochondria-targeted inhibitor of cytochrome c peroxidase mitigates radiation-induced death. Nature Communications, 2011, 2, 497.	12.8	91
12	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
13	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
14	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
15	Cytochrome c/cardiolipin relations in mitochondria: a kiss of death. Free Radical Biology and Medicine, 2009, 46, 1439-1453.	2.9	382
16	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
17	A Mitochondria-Targeted Triphenylphosphonium-Conjugated Nitroxide Functions as a Radioprotector/Mitigator. Radiation Research, 2009, 172, 706-717.	1.5	76
18	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

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19	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
20	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
21	Interplay between bax, reactive oxygen species production, and cardiolipin oxidation during apoptosis. Biochemical and Biophysical Research Communications, 2008, 368, 145-150.	2.1	73
22	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
23	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
24	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
25	Hemigramicidinâ€“TEMPO conjugates: Novel mitochondria-targeted anti-oxidants. Biochemical Pharmacology, 2007, 74, 801-809.	4.4	77
26	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
27	Mechanisms of Cardiolipin Oxidation by Cytochrome c: Relevance to Pro- and Antiapoptotic Functions of Etoposide. Molecular Pharmacology, 2006, 70, 706-717.	2.3	76
28	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
29	Cytochrome c acts as a cardiolipin oxygenase required for release of proapoptotic factors. Nature Chemical Biology, 2005, 1, 223-232.	8.0	1,088
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	Phosphatidylserine peroxidation/externalization during staurosporine-induced apoptosis in HL-60 cells. FEBS Letters, 2002, 524, 25-30.	2.8	57