Alexander V Peskin

List of Publications by Year
in descending order

39	2,990	218677 26	302126 39
papers	citations	h-index	g-index
42	42	42	3397
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Enigma of 2-Cys Peroxiredoxins: What Are Their Roles?. Biochemistry (Moscow), 2021, 86, 84-91.	1.5	5
2	Modifying the resolving cysteine affects the structure and hydrogen peroxide reactivity of peroxiredoxin 2. Journal of Biological Chemistry, 2021, 296, 100494.	3.4	14
3	Intra-dimer cooperativity between the active site cysteines during the oxidation of peroxiredoxin 2. Free Radical Biology and Medicine, 2020, 158, 115-125.	2.9	11
4	Investigating protein thiol chemistry associated with dehydroascorbate, homocysteine and glutathione using mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8774.	1.5	3
5	Enhanced hyperoxidation of peroxiredoxin 2 and peroxiredoxin 3 in the presence of bicarbonate/CO2. Free Radical Biology and Medicine, 2019, 145, 1-7.	2.9	27
6	Quaternary structure influences the peroxidase activity of peroxiredoxin 3. Biochemical and Biophysical Research Communications, 2018, 497, 558-563.	2.1	22
7	Peroxiredoxin interaction with the cytoskeletal-regulatory protein CRMP2: Investigation of a putative redox relay. Free Radical Biology and Medicine, 2018, 129, 383-393.	2.9	20
8	Assay of superoxide dismutase activity in a plate assay using WST-1. Free Radical Biology and Medicine, 2017, 103, 188-191.	2.9	72
9	Kinetic Approaches to Measuring Peroxiredoxin Reactivity. Molecules and Cells, 2016, 39, 26-30.	2.6	42
10	Kinetic analysis of structural influences on the susceptibility of peroxiredoxins 2 and 3 to hyperoxidation. Biochemical Journal, 2016, 473, 411-421.	3.7	33
11	Glutathionylation of the Active Site Cysteines of Peroxiredoxin 2 and Recycling by Glutaredoxin. Journal of Biological Chemistry, 2016, 291, 3053-3062.	3.4	96
12	Interaction of adenanthin with glutathione and thiol enzymes: Selectivity for thioredoxin reductase and inhibition of peroxiredoxin recycling. Free Radical Biology and Medicine, 2014, 77, 331-339.	2.9	40
13	Increased basal oxidation of peroxiredoxin 2 and limited peroxiredoxin recycling in glucoseâ€6â€phosphate dehydrogenaseâ€deficient erythrocytes from newborn infants. FASEB Journal, 2014, 28, 3205-3210.	0.5	13
14	Hyperoxidation of Peroxiredoxins 2 and 3. Journal of Biological Chemistry, 2013, 288, 14170-14177.	3.4	140
15	Hyperoxidized peroxiredoxin 2 interacts with the protein disulfide- isomerase ERp46. Biochemical Journal, 2013, 453, 475-485.	3.7	45
16	A Mitochondria-Targeted Macrocyclic Mn(II) Superoxide Dismutase Mimetic. Chemistry and Biology, 2012, 19, 1237-1246.	6.0	50
17	Myeloperoxidase Catalyzes the Conjugation of Serotonin to Thiols via Free Radicals and Tryptamine-4,5-dione. Chemical Research in Toxicology, 2012, 25, 2322-2332.	3.3	14
18	Model for the Exceptional Reactivity of Peroxiredoxins 2 and 3 with Hydrogen Peroxide. Journal of Biological Chemistry, 2011, 286, 18048-18055.	3.4	97

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19	Removal of amino acid, peptide and protein hydroperoxides by reaction with peroxiredoxins 2 and 3. Biochemical Journal, 2010, 432, 313-321.	3.7	52
20	Chloramines and hypochlorous acid oxidize erythrocyte peroxiredoxin 2. Free Radical Biology and Medicine, 2009, 47, 1468-1476.	2.9	29
21	Redox Potential and Peroxide Reactivity of Human Peroxiredoxin 3. Biochemistry, 2009, 48, 6495-6501.	2.5	112
22	Oxidation of Methionine to Dehydromethionine by Reactive Halogen Species Generated by Neutrophils. Biochemistry, 2009, 48, 10175-10182.	2.5	47
23	Peroxiredoxin 2 functions as a noncatalytic scavenger of low-level hydrogen peroxide in the erythrocyte. Blood, 2007, 109, 2611-2617.	1.4	252
24	The High Reactivity of Peroxiredoxin 2 with H2O2 Is Not Reflected in Its Reaction with Other Oxidants and Thiol Reagents. Journal of Biological Chemistry, 2007, 282, 11885-11892.	3.4	338
25	Taurine chloramine is more selective than hypochlorous acid at targeting critical cysteines and inactivating creatine kinase and glyceraldehyde-3-phosphate dehydrogenase. Free Radical Biology and Medicine, 2006, 40, 45-53.	2.9	86
26	Chlorine transfer between glycine, taurine, and histamine: reaction rates and impact on cellular reactivity. Free Radical Biology and Medicine, 2005, 38, 397-405.	2.9	32
27	Erratum to â€œChlorine transfer between glycine, taurine, and histamine: Reaction rates and impact on cellular reactivityâ€• [Free Radic. Biol. Med. 36 (2004) 1622â€"1630]. Free Radical Biology and Medicine, 2005, 38, 396.	2.9	0
28	Extracellular Oxidation by Taurine Chloramine Activates ERK via the Epidermal Growth Factor Receptor. Journal of Biological Chemistry, 2004, 279, 32205-32211.	3.4	40
29	Chlorine transfer between glycine, taurine, and histamine: reaction rates and impact on cellular reactivity. Free Radical Biology and Medicine, 2004, 37, 1622-1630.	2.9	66
30	Histamine chloramine reactivity with thiol compounds, ascorbate, and methionine and with intracellular glutathione. Free Radical Biology and Medicine, 2003, 35, 1252-1260.	2.9	52
31	Science and political dictatorship. Nature Reviews Genetics, 2003, 4, 241-241.	16.3	0
32	Thiol Oxidase Activity of Copper,Zinc Superoxide Dismutase. Journal of Biological Chemistry, 2002, 277, 1906-1911.	3.4	85
33	Antioxidant activity of procyanidin-containing plant extracts at different pHs. Food Chemistry, 2002, 77, 155-161.	8.2	104
34	Kinetics of the reactions of hypochlorous acid and amino acid chloramines with thiols, methionine, and ascorbate. Free Radical Biology and Medicine, 2001, 30, 572-579.	2.9	301
35	A microtiter plate assay for superoxide dismutase using a water-soluble tetrazolium salt (WST-1). Clinica Chimica Acta, 2000, 293, 157-166.	1.1	434
36	Superoxide radical production by spongesSyconsp. FEBS Letters, 1998, 434, 201-204.	2.8	30

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37	Cu,Zn-Superoxide Dismutase Gene Dosage and Cell Resistance to Oxidative Stress: A Review. Bioscience Reports, 1997, 17, 85-89.	2.4	16
38	Oxidant Carcinogenesis and Antioxidant Defense. Annals of the New York Academy of Sciences, 1992, 663, 158-166.	3.8	71
39	Superoxide dismutase and glutathione peroxidase activities in tumors. FEBS Letters, 1977, 78, 41-45.	2.8	97