

# Ho Zoon Chae

## List of Publications by Citations

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28  
papers

5,397  
citations

22  
h-index

28  
g-index

28  
ext. papers

5,635  
ext. citations

7.4  
avg, IF

5.07  
L-index

#	Paper	IF	Citations
28	Peroxiredoxins: a historical overview and speculative preview of novel mechanisms and emerging concepts in cell signaling. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 38, 1543-52	7.8	1124
27	Activation of the beta 1 isozyme of phospholipase C by alpha subunits of the Gq class of G proteins. <i>Nature</i> , <b>1991</b> , 350, 516-8	50.4	731
26	Mammalian peroxiredoxin isoforms can reduce hydrogen peroxide generated in response to growth factors and tumor necrosis factor-alpha. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 6297-302	5.4	548
25	Reversing the inactivation of peroxiredoxins caused by cysteine sulfinic acid formation. <i>Science</i> , <b>2003</b> , 300, 653-6	33.3	484
24	Inactivation of human peroxiredoxin I during catalysis as the result of the oxidation of the catalytic site cysteine to cysteine-sulfinic acid. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 38029-36	5.4	351
23	Regulatory role for a novel human thioredoxin peroxidase in NF-kappaB activation. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 30952-61	5.4	345
22	Characterization of three isoforms of mammalian peroxiredoxin that reduce peroxides in the presence of thioredoxin. <i>Diabetes Research and Clinical Practice</i> , <b>1999</b> , 45, 101-12	7.4	306
21	Isoforms of mammalian peroxiredoxin that reduce peroxides in presence of thioredoxin. <i>Methods in Enzymology</i> , <b>1999</b> , 300, 219-26	1.7	190
20	Removal of hydrogen peroxide by thiol-specific antioxidant enzyme (TSA) is involved with its antioxidant properties. TSA possesses thiol peroxidase activity. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 15315-21	5.4	185
19	Reversible oxidation of the active site cysteine of peroxiredoxins to cysteine sulfinic acid. Immunoblot detection with antibodies specific for the hyperoxidized cysteine-containing sequence. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 47361-4	5.4	182
18	Cyclophilin a binds to peroxiredoxins and activates its peroxidase activity. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 29826-32	5.4	158
17	Irreversible oxidation of the active-site cysteine of peroxiredoxin to cysteine sulfonic acid for enhanced molecular chaperone activity. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 28873-80	5.4	136
16	Regulation of thioredoxin peroxidase activity by C-terminal truncation. <i>Archives of Biochemistry and Biophysics</i> , <b>2002</b> , 397, 312-8	4.1	95
15	Protein glutathionylation in the regulation of peroxiredoxins: a family of thiol-specific peroxidases that function as antioxidants, molecular chaperones, and signal modulators. <i>Antioxidants and Redox Signaling</i> , <b>2012</b> , 16, 506-23	8.4	90
14	Regulation of macrophage migration inhibitory factor and thiol-specific antioxidant protein PAG by direct interaction. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 15504-10	5.4	80
13	Peroxiredoxin-I is an autoimmunogenic tumor antigen in non-small cell lung cancer. <i>FEBS Letters</i> , <b>2005</b> , 579, 2873-7	3.8	70
12	Thioredoxin modulates activator protein 1 (AP-1) activity and p27Kip1 degradation through direct interaction with Jab1. <i>Oncogene</i> , <b>2004</b> , 23, 8868-75	9.2	65

11	Characterization of diverse natural variants of CYP102A1 found within a species of <i>Bacillus megaterium</i> . <i>AMB Express</i> , <b>2011</b> , 1, 1	4.1	62
10	Novel protective mechanism against irreversible hyperoxidation of peroxiredoxin: Nalpha-terminal acetylation of human peroxiredoxin II. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 13455-13465	5.4	41
9	Peroxidase activity of a TSA-like antioxidant protein from a pathogenic amoeba. <i>Free Radical Biology and Medicine</i> , <b>1997</b> , 23, 955-9	7.8	37
8	Heterologous expression and characterization of wild-type human cytochrome P450 1A2 without conventional N-terminal modification in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , <b>2008</b> , 57, 188-200	2	27
7	Redox-regulated cochaperone activity of the human DnaJ homolog Hdj2. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 40, 651-9	7.8	25
6	Peroxiredoxin is ubiquitously expressed in rat skin: isotype-specific expression in the epidermis and hair follicle. <i>Journal of Investigative Dermatology</i> , <b>2000</b> , 115, 1108-14	4.3	22
5	Periovarian expression of hydrogen peroxide-induced sulfiredoxin and peroxiredoxin 2 in the rat ovary: gonadotropin regulation and potential modification. <i>Endocrinology</i> , <b>2012</b> , 153, 5512-21	4.8	16
4	Distinct functional roles of peroxiredoxin isozymes and glutathione peroxidase from fission yeast, <i>Schizosaccharomyces pombe</i> . <i>BMB Reports</i> , <b>2010</b> , 43, 170-5	5.5	11
3	Molecular characterization of a 2-Cys peroxiredoxin induced by abiotic stress in mungbean. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2012</b> , 108, 473-484	2.7	10
2	Peroxiredoxins are required for spindle assembly, chromosome organization, and polarization in mouse oocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 489, 193-199	3.4	3
1	Structural and biochemical analyses reveal ubiquitin C-terminal hydrolase-L1 as a specific client of the peroxiredoxin II chaperone. <i>Archives of Biochemistry and Biophysics</i> , <b>2018</b> , 640, 61-74	4.1	3