

Sue Goo Rhee

List of Publications by Year in descending order

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34
papers

4,521
citations

304368

22
h-index

414034

32
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34
all docs

34
docs citations

34
times ranked

6151
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracellular messenger function of hydrogen peroxide and its regulation by peroxiredoxins. <i>Current Opinion in Cell Biology</i> , 2005, 17, 183-189.	2.6	668
2	Mammalian Peroxiredoxin Isoforms Can Reduce Hydrogen Peroxide Generated in Response to Growth Factors and Tumor Necrosis Factor- α . <i>Journal of Biological Chemistry</i> , 1998, 273, 6297-6302.	1.6	615
3	Peroxiredoxin Functions as a Peroxidase and a Regulator and Sensor of Local Peroxides. <i>Journal of Biological Chemistry</i> , 2012, 287, 4403-4410.	1.6	461
4	Thioredoxin Peroxidase Is a Novel Inhibitor of Apoptosis with a Mechanism Distinct from That of Bcl-2. <i>Journal of Biological Chemistry</i> , 1997, 272, 30615-30618.	1.6	339
5	Overview on Peroxiredoxin. <i>Molecules and Cells</i> , 2016, 39, 1-5.	1.0	302
6	2-Cys peroxiredoxin function in intracellular signal transduction: therapeutic implications. <i>Trends in Molecular Medicine</i> , 2005, 11, 571-578.	3.5	286
7	Reduction of Cysteine Sulfinic Acid by Sulfiredoxin Is Specific to 2-Cys Peroxiredoxins. <i>Journal of Biological Chemistry</i> , 2005, 280, 3125-3128.	1.6	275
8	Molecular Cloning and Characterization of a Mitochondrial Selenocysteine-containing Thioredoxin Reductase from Rat Liver. <i>Journal of Biological Chemistry</i> , 1999, 274, 4722-4734.	1.6	243
9	SESN2/sestrin2 suppresses sepsis by inducing mitophagy and inhibiting NLRP3 activation in macrophages. <i>Autophagy</i> , 2016, 12, 1272-1291.	4.3	218
10	Multiple Functions and Regulation of Mammalian Peroxiredoxins. <i>Annual Review of Biochemistry</i> , 2017, 86, 749-775.	5.0	214
11	The antioxidant function of sestrins is mediated by promotion of autophagic degradation of Keap1 and Nrf2 activation and by inhibition of mTORC1. <i>Free Radical Biology and Medicine</i> , 2015, 88, 205-211.	1.3	115
12	Circadian rhythm of hyperoxidized peroxiredoxin II is determined by hemoglobin autoxidation and the 20S proteasome in red blood cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12043-12048.	3.3	110
13	Sulfiredoxin Translocation into Mitochondria Plays a Crucial Role in Reducing Hyperoxidized Peroxiredoxin III. <i>Journal of Biological Chemistry</i> , 2009, 284, 8470-8477.	1.6	101
14	The Role of Peroxiredoxins in the Transduction of H ₂ O ₂ Signals. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 537-557.	2.5	100
15	Circadian Oscillation of Sulfiredoxin in the Mitochondria. <i>Molecular Cell</i> , 2015, 59, 651-663.	4.5	70
16	Peroxiredoxin III and Sulfiredoxin Together Protect Mice from Pyrazole-Induced Oxidative Liver Injury. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1351-1361.	2.5	51
17	Peroxiredoxin-mediated disulfide bond formation is required for nucleocytoplasmic translocation and secretion of HMGB1 in response to inflammatory stimuli. <i>Redox Biology</i> , 2019, 24, 101203.	3.9	45
18	Mitochondrial H ₂ O ₂ signaling is controlled by the concerted action of peroxiredoxin III and sulfiredoxin: Linking mitochondrial function to circadian rhythm. <i>Free Radical Biology and Medicine</i> , 2016, 100, 73-80.	1.3	43

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19	Peroxiredoxin 3 has a crucial role in the contractile function of skeletal muscle by regulating mitochondrial homeostasis. <i>Free Radical Biology and Medicine</i> , 2014, 77, 298-306.	1.3	42
20	Sulfiredoxin inhibitor induces preferential death of cancer cells through reactive oxygen species-mediated mitochondrial damage. <i>Free Radical Biology and Medicine</i> , 2016, 91, 264-274.	1.3	42
21	Effective Killing of Cancer Cells Through ROS-Mediated Mechanisms by AMRI-59 Targeting Peroxiredoxin I. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 453-469.	2.5	36
22	Multiple functions of 2-Cys peroxiredoxins, I and II, and their regulations via post-translational modifications. <i>Free Radical Biology and Medicine</i> , 2020, 152, 107-115.	1.3	35
23	p62/SQSTM1 is required for the protection against endoplasmic reticulum stress-induced apoptotic cell death. <i>Free Radical Research</i> , 2016, 50, 1408-1421.	1.5	19
24	Mitochondrial H ₂ O ₂ signaling is controlled by the concerted action of peroxiredoxin III and sulfiredoxin: Linking mitochondrial function to circadian rhythm. <i>Free Radical Biology and Medicine</i> , 2016, 99, 120.	1.3	18
25	TRP14 Inhibits Osteoclast Differentiation via Its Catalytic Activity. <i>Molecular and Cellular Biology</i> , 2014, 34, 3515-3524.	1.1	17
26	Peroxiredoxin 3 deficiency induces cardiac hypertrophy and dysfunction by impaired mitochondrial quality control. <i>Redox Biology</i> , 2022, 51, 102275.	3.9	17
27	Peroxiredoxin5 Controls Vertebrate Ciliogenesis by Modulating Mitochondrial Reactive Oxygen Species. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1731-1745.	2.5	13
28	Reflections on the days of phospholipase C. <i>Advances in Biological Regulation</i> , 2013, 53, 223-231.	1.4	9
29	Ablation of Peroxiredoxin V Exacerbates Ischemia/Reperfusion-Induced Kidney Injury in Mice. <i>Antioxidants</i> , 2020, 9, 769.	2.2	8
30	A catalytic career: Studies spanning glutamine synthetase, phospholipase C, peroxiredoxin, and the intracellular messenger role of hydrogen peroxide. <i>Journal of Biological Chemistry</i> , 2019, 294, 5169-5180.	1.6	3
31	Maturation of Mitochondrially Targeted Prx V Involves a Second Cleavage by Mitochondrial Intermediate Peptidase That Is Sensitive to Inhibition by H ₂ O ₂ . <i>Antioxidants</i> , 2021, 10, 346.	2.2	3
32	Peroxiredoxin 3 Has Important Roles on Arsenic Trioxide Induced Apoptosis in Human Acute Promyelocytic Leukemia Cell Line via Hyperoxidation of Mitochondrial Specific Reactive Oxygen Species. <i>Molecules and Cells</i> , 2020, 43, 813-820.	1.0	3
33	The Role of Peroxiredoxin III and Sulfiredoxin for Mitochondrial ROS Production to Arsenic Trioxide in Acute Promyelocytic Leukemia Cells. <i>Blood</i> , 2014, 124, 5217-5217.	0.6	0
34	Bortezomib-Induced Apoptosis in Myeloma Cell Via Oxidation of Peroxiredoxin III and Thioredoxin 2. <i>Blood</i> , 2016, 128, 2081-2081.	0.6	0