

Carolyn S Sevier

List of Publications by Year in descending order

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35
papers

4,665
citations

394421

19
h-index

454955

30
g-index

37
all docs

37
docs citations

37
times ranked

6637
citing authors

#	ARTICLE	IF	CITATIONS
1	The Genetic Landscape of a Cell. <i>Science</i> , 2010, 327, 425-431.	12.6	1,937
2	Formation and transfer of disulphide bonds in living cells. <i>Nature Reviews Molecular Cell Biology</i> , 2002, 3, 836-847.	37.0	659
3	Generating disulfides enzymatically: Reaction products and electron acceptors of the endoplasmic reticulum thiol oxidase Ero1p. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 299-304.	7.1	324
4	Ero1 and redox homeostasis in the endoplasmic reticulum. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 549-556.	4.1	258
5	Modulation of Cellular Disulfide-Bond Formation and the ER Redox Environment by Feedback Regulation of Ero1. <i>Cell</i> , 2007, 129, 333-344.	28.9	219
6	Efficient Export of the Vesicular Stomatitis Virus G Protein from the Endoplasmic Reticulum Requires a Signal in the Cytoplasmic Tail That Includes Both Tyrosine-based and Di-acidic Motifs. <i>Molecular Biology of the Cell</i> , 2000, 11, 13-22.	2.1	171
7	A flavoprotein oxidase defines a new endoplasmic reticulum pathway for biosynthetic disulphide bond formation. <i>Nature Cell Biology</i> , 2001, 3, 874-882.	10.3	164
8	A new FAD-binding fold and intersubunit disulfide shuttle in the thiol oxidase Erv2p. <i>Nature Structural Biology</i> , 2002, 9, 61-67.	9.7	163
9	Conservation and Diversity of the Cellular Disulfide Bond Formation Pathways. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 797-811.	5.4	103
10	Redox signaling via the molecular chaperone BiP protects cells against endoplasmic reticulum-derived oxidative stress. <i>ELife</i> , 2014, 3, e03496.	6.0	93
11	How Are Proteins Reduced in the Endoplasmic Reticulum?. <i>Trends in Biochemical Sciences</i> , 2018, 43, 32-43.	7.5	82
12	Disulfide Transfer between Two Conserved Cysteine Pairs Imparts Selectivity to Protein Oxidation by Ero1. <i>Molecular Biology of the Cell</i> , 2006, 17, 2256-2266.	2.1	65
13	Balanced Ero1 activation and inactivation establishes ER redox homeostasis. <i>Journal of Cell Biology</i> , 2012, 196, 713-725.	5.2	65
14	Formation and Reversibility of BiP Protein Cysteine Oxidation Facilitate Cell Survival during and post Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2016, 291, 7541-7557.	3.4	50
15	Oxidative Activity of Yeast Ero1p on Protein Disulfide Isomerase and Related Oxidoreductases of the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2010, 285, 18155-18165.	3.4	47
16	The prokaryotic enzyme DsbB may share key structural features with eukaryotic disulfide bond forming oxidoreductases. <i>Protein Science</i> , 2009, 14, 1630-1642.	7.6	41
17	Structural Determinants of Substrate Access to the Disulfide Oxidase Erv2p. <i>Journal of Molecular Biology</i> , 2005, 354, 952-966.	4.2	31
18	An unexpected role for the yeast nucleotide exchange factor Sil1 as a reductant acting on the molecular chaperone BiP. <i>ELife</i> , 2017, 6, .	6.0	27

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19	Steps in reductive activation of the disulfide-generating enzyme Ero1p. <i>Protein Science</i> , 2010, 19, 1863-1876.	7.6	22
20	Yeast Mpd1p Reveals the Structural Diversity of the Protein Disulfide Isomerase Family. <i>Journal of Molecular Biology</i> , 2008, 384, 631-640.	4.2	19
21	Activity of the yeast cytoplasmic Hsp70 nucleotide-exchange factor Fes1 is regulated by reversible methionine oxidation. <i>Journal of Biological Chemistry</i> , 2020, 295, 552-569.	3.4	19
22	Erv2 and Quiescin Sulfhydryl Oxidases: Erv-Domain Enzymes Associated with the Secretory Pathway. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 800-808.	5.4	18
23	New insights into oxidative folding. <i>Journal of Cell Biology</i> , 2010, 188, 757-758.	5.2	17
24	Pathways for Sensing and Responding to Hydrogen Peroxide at the Endoplasmic Reticulum. <i>Cells</i> , 2020, 9, 2314.	4.1	17
25	Disrupted Hydrogen-Bond Network and Impaired ATPase Activity in an Hsc70 Cysteine Mutant. <i>Biochemistry</i> , 2018, 57, 1073-1086.	2.5	12
26	A Conserved Cysteine within the ATPase Domain of the Endoplasmic Reticulum Chaperone BiP is Necessary for a Complete Complement of BiP Activities. <i>Journal of Molecular Biology</i> , 2016, 428, 4168-4184.	4.2	11
27	Working Together: Redox Signaling between the Endoplasmic Reticulum and Mitochondria. <i>Chemical Research in Toxicology</i> , 2019, 32, 342-344.	3.3	11
28	p38: A Novel Protein That Associates with the Vesicular Stomatitis Virus Glycoprotein. <i>Biochemical and Biophysical Research Communications</i> , 2001, 287, 574-582.	2.1	8
29	The asymmetric Pitx2 gene regulates gut muscular-lacteal development and protects against fatty liver disease. <i>Cell Reports</i> , 2021, 37, 110030.	6.4	7
30	Fragmentation of a Golgi-Localized Chimeric Protein Allows Detergent Solubilization and Reveals an Alternate Conformation of the Cytoplasmic Domain. <i>Biochemistry</i> , 1998, 37, 185-192.	2.5	4
31	Chapter 1.6. The Ero1 Sulfhydryl Oxidase and the Oxidizing Potential of the Endoplasmic Reticulum. <i>RSC Biomolecular Sciences</i> , 2008, , 105-120.	0.4	0
32	Oxidation of the Hsp70 BiP protects cells during ER stress. <i>FASEB Journal</i> , 2013, 27, 993.4.	0.5	0
33	Regulation of the Hsp70 BiP Molecular Chaperone Activities by Glutathiolation. <i>FASEB Journal</i> , 2015, 29, 717.11.	0.5	0
34	A role for the N-terminal domain in modulating the activities of the nucleotide exchange factor Sil1. <i>FASEB Journal</i> , 2018, 32, 793.13.	0.5	0
35	Methionine sulfoxide reductase reverses oxidation of the nucleotide exchange factor Fes1 to regulate cytoplasmic Hsp70 chaperone cycle. <i>FASEB Journal</i> , 2019, 33, 780.9.	0.5	0