Jan Riemer

List of Publications by Year
in descending order

43 papers	2,578 citations	201674 27 h-index	265206 42 g-index
43 all docs	43 docs citations	43 times ranked	3477 citing authors

#	Article	IF	Citations
1	Mitochondria shed their outer membrane in response to infection-induced stress. Science, 2022, 375, eabi4343.	12.6	42
2	Spatial and temporal control of mitochondrial H ₂ O ₂ release in intact human cells. EMBO Journal, 2022, 41, e109169.	7.8	39
3	Calcium and redox signals at mitochondrial interfaces: A nanoview perspective. Cell Calcium, 2022, 103, 102550.	2.4	0
4	Protein Import Assay into Mitochondria Isolated from Human Cells. Bio-protocol, 2021, 11, e4057.	0.4	5
5	Erv1 and Cytochrome c Mediate Rapid Electron Transfer via A Collision-Type Interaction. Journal of Molecular Biology, 2021, 433, 167045.	4.2	5
6	Apoptosis inducing factor and mitochondrial NADH dehydrogenases: redox-controlled gear boxes to switch between mitochondrial biogenesis and cell death. Biological Chemistry, 2021, 402, 289-297.	2.5	30
7	The C-terminal region of the oxidoreductase MIA40 stabilizes its cytosolic precursor during mitochondrial import. BMC Biology, 2020, 18, 96.	3.8	14
8	When bacteria meet mitochondria: The strange case of the tick symbiont Midichloria mitochondrii ^{â€}. Cellular Microbiology, 2020, 22, e13189.	2.1	18
9	Protein import by the mitochondrial disulfide relay in higher eukaryotes. Biological Chemistry, 2020, 401, 749-763.	2.5	16
10	A salvage pathway maintains highly functional respiratory complex I. Nature Communications, 2020, 11, 1643.	12.8	80
11	Proteasomal degradation induced by DPP9â€mediated processing competes with mitochondrial protein import. EMBO Journal, 2020, 39, e103889.	7.8	24
12	Cysteine residues in mitochondrial intermembrane space proteins: more than just import. British Journal of Pharmacology, 2019, 176, 514-531.	5.4	36
13	Stop wasting proteinâ€”Proteasome inhibition to target diseases linked to mitochondrial import. EMBO Molecular Medicine, 2019, 11, .	6.9	6
14	Hyperoxidation of mitochondrial peroxiredoxin limits H ₂ O ₂ â€induced cell death in yeast. EMBO Journal, 2019, 38, e101552.	7.8	50
15	Lipid signalling drives proteolytic rewiring of mitochondria by YME1L. Nature, 2019, 575, 361-365.	27.8	116
16	Vectorial Import via a Metastable Disulfide-Linked Complex Allows for a Quality Control Step and Import by the Mitochondrial Disulfide Relay. Cell Reports, 2019, 26, 759-774.e5.	6.4	33
17	Oxidative protein folding: stateâ€ofâ€theâ€art and current avenues of research in plants. New Phytologist, 2019, 221, 1230-1246.	7.3	29
18	Plasticity in salt bridge allows fusion-competent ubiquitylation of mitofusins and Cdc48 recognition. Life Science Alliance, 2019, 2, e201900491.	2.8	10

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19	Mechanisms and Applications of Redox-Sensitive Green Fluorescent Protein-Based Hydrogen Peroxide Probes. Antioxidants and Redox Signaling, 2018, 29, 552-568.	5.4	33
20	The mitochondrial oxidoreductase CHCHD4 is present in a semi-oxidized state in vivo. Redox Biology, 2018, 17, 200-206.	9.0	18
21	Mutations in the accessory subunitNDUFB10result in isolated complex I deficiency and illustrate the critical role of intermembrane space import for complex I holoenzyme assembly. Human Molecular Genetics, 2017, 26, ddw431.	2.9	64
22	Detection of Cysteine Redox States in Mitochondrial Proteins in Intact Mammalian Cells. Methods in Molecular Biology, 2017, 1567, 105-138.	0.9	2
23	Mitochondrial Glutathione: Regulation and Functions. Antioxidants and Redox Signaling, 2017, 27, 1162-1177.	5.4	120
24	Profiling Ssb-Nascent Chain Interactions Reveals Principles of Hsp70-Assisted Folding. Cell, 2017, 170, 298-311.e20.	28.9	154
25	Mitochondrial disulfide relay and its substrates: mechanisms in health and disease. Cell and Tissue Research, 2017, 367, 59-72.	2.9	23
26	Transit of H2O2 across the endoplasmic reticulum membrane is not sluggish. Free Radical Biology and Medicine, 2016, 94, 157-160.	2.9	48
27	The Ca2+-Dependent Release of the Mia40-Induced MICU1-MICU2 Dimer from MCU Regulates Mitochondrial Ca2+ Uptake. Cell Metabolism, 2015, 22, 721-733.	16.2	154
28	Kinetic control by limiting glutaredoxin amounts enables thiol oxidation in the reducing mitochondrial intermembrane space. Molecular Biology of the Cell, 2015, 26, 195-204.	2.1	59
29	The Disulfide Relay of the Intermembrane Space Oxidizes the Ribosomal Subunit Mrp10 on Its Transit into the Mitochondrial Matrix. Developmental Cell, 2014, 28, 30-42.	7.0	58
30	Balancing oxidative protein folding: The influences of reducing pathways on disulfide bond formation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1383-1390.	2.3	58
31	Mechanisms and physiological impact of the dual localization of mitochondrial intermembrane space proteins. Biochemical Society Transactions, 2014, 42, 952-958.	3.4	8
32	Protein oxidation in the intermembrane space of mitochondria is substrate-specific rather than general. Microbial Cell, 2014, 1, 81-93.	3.2	17
33	Axonal Transport and Mitochondrial Dysfunction in Alzheimer's Disease. Neurodegenerative Diseases, 2013, 12, 111-124.	1.4	32
34	Protein import and oxidative folding in the mitochondrial intermembrane space of intact mammalian cells. Molecular Biology of the Cell, 2013, 24, 2160-2170.	2.1	105
35	The Mitochondrial Disulfide Relay System: Roles in Oxidative Protein Folding and Beyond. International Journal of Cell Biology, 2013, 2013, 1-12.	2.5	79
36	Glutathione redox potential in the mitochondrial intermembrane space is linked to the cytosol and impacts the Mia40 redox state. EMBO Journal, 2012, 31, 3169-3182.	7.8	154

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37	Atp23 biogenesis reveals a chaperone-like folding activity of Mia40 in the IMS of mitochondria. EMBO Journal, 2012, 31, 4348-4358.	7.8	80
38	Oxidation-driven protein import into mitochondria: Insights and blind spots. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 981-989.	2.6	50
39	Mia40-dependent oxidation of cysteines in domain I of Ccs1 controls its distribution between mitochondria and the cytosol. Molecular Biology of the Cell, 2011, 22, 3749-3757.	2.1	54
40	Mitochondrial Disulfide Bond Formation Is Driven by Intersubunit Electron Transfer in Erv1 and Proofread by Glutathione. Molecular Cell, 2010, 37, 516-528.	9.7	158
41	The Intermembrane Space of Mitochondria. Antioxidants and Redox Signaling, 2010, 13, 1341-1358.	5.4	117
42	Systematic Analysis of the Twin Cx9C Protein Family. Journal of Molecular Biology, 2009, 393, 356-368.	4.2	153
43	Disulfide Formation in the ER and Mitochondria: Two Solutions to a Common Process. Science, 2009, 324, 1284-1287.	12.6	227