Bruce Morgan

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2104278/publications.pdf

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38 papers	2,494 citations	257450 24 h-index	330143 37 g-index
43 all docs	43 docs citations	43 times ranked	3452 citing authors

#	Article	IF	Citations
1	Multiple glutathione disulfide removal pathways mediate cytosolic redox homeostasis. Nature Chemical Biology, 2013, 9, 119-125.	8.0	247
2	Dissecting Redox Biology Using Fluorescent Protein Sensors. Antioxidants and Redox Signaling, 2016, 24, 680-712.	5.4	247
3	Measuring EGSH and H2O2 with roGFP2-based redox probes. Free Radical Biology and Medicine, 2011, 51, 1943-1951.	2.9	232
4	Real-time monitoring of basal H2O2 levels with peroxiredoxin-based probes. Nature Chemical Biology, 2016, 12, 437-443.	8.0	187
5	A proton relay enhances H2O2 sensitivity of GAPDH to facilitate metabolic adaptation. Nature Chemical Biology, 2015, 11, 156-163.	8.0	184
6	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
7	Cytosolic thiol switches regulating basic cellular functions: GAPDH as an information hub?. Biological Chemistry, 2015, 396, 523-537.	2.5	137
8	Mitochondrial Glutathione: Regulation and Functions. Antioxidants and Redox Signaling, 2017, 27, 1162-1177.	5.4	120
9	The â€˜mitoflashâ€™ probe cpYFP does not respond to superoxide. Nature, 2014, 514, E12-E14.	27.8	109
10	Glutathione: subcellular distribution and membrane transport. Biochemistry and Cell Biology, 2019, 97, 270-289.	2.0	75
11	Restriction of essential amino acids dictates the systemic metabolic response to dietary protein dilution. Nature Communications, 2020, 11, 2894.	12.8	71
12	Imaging dynamic redox processes with genetically encoded probes. Journal of Molecular and Cellular Cardiology, 2014, 73, 43-49.	1.9	59
13	Hyperoxidation of mitochondrial peroxiredoxin limits H ₂ O ₂ â€induced cell death in yeast. EMBO Journal, 2019, 38, e101552.	7.8	50
14	Real-time monitoring of subcellular H2O2 distribution in Chlamydomonas reinhardtii. Plant Cell, 2021, 33, 2935-2949.	6.6	50
15	The yeast CLC protein counteracts vesicular acidification during iron starvation. Journal of Cell Science, 2010, 123, 2342-2350.	2.0	44
16	Inaccurately Assembled CytochromecOxidase Can Lead to Oxidative Stress-Induced Growth Arrest. Antioxidants and Redox Signaling, 2013, 18, 1597-1612.	5.4	43
17	In Vivo NADH/NAD⁺ Biosensing Reveals the Dynamics of Cytosolic Redox Metabolism in Plants. Plant Cell, 2020, 32, 3324-3345.	6.6	40
18	Spatial and temporal control of mitochondrial H ₂ O ₂ release in intact human cells. EMBO Journal, 2022, 41, e109169.	7.8	39

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19	Redox Imaging Using Cardiac Myocyte-Specific Transgenic Biosensor Mice. Circulation Research, 2016, 119, 1004-1016.	4.5	38
20	Redox-sensitive GFP fusions for monitoring the catalytic mechanism and inactivation of peroxiredoxins in living cells. Redox Biology, 2018, 14, 549-556.	9.0	35
21	Zinc Can Play Chaperone-like and Inhibitor Roles during Import of Mitochondrial Small Tim Proteins. Journal of Biological Chemistry, 2009, 284, 6818-6825.	3.4	34
22	Pex35 is a regulator of peroxisome abundance. Journal of Cell Science, 2017, 130, 791-804.	2.0	34
23	Quantitative assessment of the determinant structural differences between redox-active and inactive glutaredoxins. Nature Communications, 2020, 11, 1725.	12.8	34
24	Mechanisms and Applications of Redox-Sensitive Green Fluorescent Protein-Based Hydrogen Peroxide Probes. Antioxidants and Redox Signaling, 2018, 29, 552-568.	5.4	33
25	The yeast oligopeptide transporter Opt2 is localized to peroxisomes and affects glutathione redox homeostasis. FEMS Yeast Research, 2014, 14, n/a-n/a.	2.3	29
26	Oxidative folding competes with mitochondrial import of the small Tim proteins. Biochemical Journal, 2008, 411, 115-122.	3.7	24
27	One cysteine is enough: A monothiol Grx can functionally replace all cytosolic Trx and dithiol Grx. Redox Biology, 2020, 36, 101598.	9.0	24
28	Peroxiredoxins couple metabolism and cell division in an ultradian cycle. Nature Chemical Biology, 2021, 17, 477-484.	8.0	24
29	Towards one-step design of tailored enzymatic nanobiosensors. Analyst, The, 2020, 145, 1014-1024.	3.5	18
30	Transient NADPH oxidase 2-dependent H2O2 production drives early palmitate-induced lipotoxicity in pancreatic islets. Free Radical Biology and Medicine, 2021, 162, 1-13.	2.9	18
31	Reassessing cellular glutathione homoeostasis: novel insights revealed by genetically encoded redox probes. Biochemical Society Transactions, 2014, 42, 979-984.	3.4	12
32	LDI-MS scanner: Laser desorption ionization mass spectrometry-based biosensor standardization. Talanta, 2021, 223, 121688.	5.5	11
33	An intracellular assay for activity screening and characterization of glutathione-dependent oxidoreductases. Free Radical Biology and Medicine, 2021, 172, 340-349.	2.9	8
34	Leishmania type II dehydrogenase is essential for parasite viability irrespective of the presence of an active complex I. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	8
35	Fluorescent Imaging of Redox Species in Multicellular Organisms. , 2013, , 119-155.		6
36	Chronic activation of GPR40 does not negatively impact upon BRIN-BD11 pancreatic Î²-cell physiology and function. Pharmacological Reports, 2020, 72, 1725-1737.	3.3	6

#	Article	IF	Citations
37	Foreword to the Free Radical Biology and Medicine Special Issue on Â¨Current fluorescence and chemiluminescence approaches in free radical and redox biologyÂ¨. Free Radical Biology and Medicine, 2018, 128, 1-2.	2.9	3
38	Thiol-based redox probes. , 2022, , 373-403.		0