Bruce Morgan

List of Publications by Year
in descending order

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	Spatial and temporal control of mitochondrial H ₂ O ₂ release in intact human cells. EMBO Journal, 2022, 41, e109169.	7.8	39
2	Thiol-based redox probes. , 2022, , 373-403.		0
3	LDI-MS scanner: Laser desorption ionization mass spectrometry-based biosensor standardization. Talanta, 2021, 223, 121688.	5.5	11
4	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
5	Peroxiredoxins couple metabolism and cell division in an ultradian cycle. Nature Chemical Biology, 2021, 17, 477-484.	8.0	24
6	Real-time monitoring of subcellular H2O2 distribution in <i>Chlamydomonas reinhardtii</i>. Plant Cell, 2021, 33, 2935-2949.	6.6	50
7	An intracellular assay for activity screening and characterization of glutathione-dependent oxidoreductases. Free Radical Biology and Medicine, 2021, 172, 340-349.	2.9	8
8	<i>Leishmania</i> 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
9	Towards one-step design of tailored enzymatic nanobiosensors. Analyst, The, 2020, 145, 1014-1024.	3.5	18
10	In Vivo NADH/NAD⁺ Biosensing Reveals the Dynamics of Cytosolic Redox Metabolism in Plants. Plant Cell, 2020, 32, 3324-3345.	6.6	40
11	One cysteine is enough: A monothiol Grx can functionally replace all cytosolic Trx and dithiol Grx. Redox Biology, 2020, 36, 101598.	9.0	24
12	Restriction of essential amino acids dictates the systemic metabolic response to dietary protein dilution. Nature Communications, 2020, 11, 2894.	12.8	71
13	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
14	Quantitative assessment of the determinant structural differences between redox-active and inactive glutaredoxins. Nature Communications, 2020, 11, 1725.	12.8	34
15	Hyperoxidation of mitochondrial peroxiredoxin limits H ₂ O ₂ â€induced cell death in yeast. EMBO Journal, 2019, 38, e101552.	7.8	50
16	Glutathione: subcellular distribution and membrane transport. Biochemistry and Cell Biology, 2019, 97, 270-289.	2.0	75
17	Mechanisms and Applications of Redox-Sensitive Green Fluorescent Protein-Based Hydrogen Peroxide Probes. Antioxidants and Redox Signaling, 2018, 29, 552-568.	5.4	33
18	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

#	Article	IF	Citations
19	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
20	Mitochondrial Glutathione: Regulation and Functions. Antioxidants and Redox Signaling, 2017, 27, 1162-1177.	5.4	120
21	Pex35 is a regulator of peroxisome abundance. Journal of Cell Science, 2017, 130, 791-804.	2.0	34
22	Real-time monitoring of basal H2O2 levels with peroxiredoxin-based probes. Nature Chemical Biology, 2016, 12, 437-443.	8.0	187
23	Redox Imaging Using Cardiac Myocyte-Specific Transgenic Biosensor Mice. Circulation Research, 2016, 119, 1004-1016.	4.5	38
24	Dissecting Redox Biology Using Fluorescent Protein Sensors. Antioxidants and Redox Signaling, 2016, 24, 680-712.	5.4	247
25	A proton relay enhances H2O2 sensitivity of GAPDH to facilitate metabolic adaptation. Nature Chemical Biology, 2015, 11, 156-163.	8.0	184
26	Cytosolic thiol switches regulating basic cellular functions: GAPDH as an information hub?. Biological Chemistry, 2015, 396, 523-537.	2.5	137
27	Reassessing cellular glutathione homoeostasis: novel insights revealed by genetically encoded redox probes. Biochemical Society Transactions, 2014, 42, 979-984.	3.4	12
28	Imaging dynamic redox processes with genetically encoded probes. Journal of Molecular and Cellular Cardiology, 2014, 73, 43-49.	1.9	59
29	The â€˜mitoflashâ€™ probe cpYFP does not respond to superoxide. Nature, 2014, 514, E12-E14.	27.8	109
30	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
31	Fluorescent Imaging of Redox Species in Multicellular Organisms. , 2013, , 119-155.		6
32	Multiple glutathione disulfide removal pathways mediate cytosolic redox homeostasis. Nature Chemical Biology, 2013, 9, 119-125.	8.0	247
33	Inaccurately Assembled Cytochrome<i>c</i>Oxidase Can Lead to Oxidative Stress-Induced Growth Arrest. Antioxidants and Redox Signaling, 2013, 18, 1597-1612.	5.4	43
34	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
35	Measuring EGSH and H2O2 with roGFP2-based redox probes. Free Radical Biology and Medicine, 2011, 51, 1943-1951.	2.9	232
36	The yeast CLC protein counteracts vesicular acidification during iron starvation. Journal of Cell Science, 2010, 123, 2342-2350.	2.0	44

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37	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
38	Oxidative folding competes with mitochondrial import of the small Tim proteins. Biochemical Journal, 2008, 411, 115-122.	3.7	24