Gavin P Mcstay

List of Publications by Year
in descending order

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34 papers	2,999 citations	471509 17 h-index	477307 29 g-index
36 all docs	36 docs citations	36 times ranked	4210 citing authors

#	Article	IF	Citations
1	The permeability transition pore complex: another view. Biochimie, 2002, 84, 153-166.	2.6	650
2	Sphingolipid Metabolism Cooperates with BAK and BAX to Promote the Mitochondrial Pathway of Apoptosis. Cell, 2012, 148, 988-1000.	28.9	377
3	Role of critical thiol groups on the matrix surface of the adenine nucleotide translocase in the mechanism of the mitochondrial permeability transition pore. Biochemical Journal, 2002, 367, 541-548.	3.7	334
4	Sanglifehrin A Acts as a Potent Inhibitor of the Mitochondrial Permeability Transition and Reperfusion Injury of the Heart by Binding to Cyclophilin-D at a Different Site from Cyclosporin A. Journal of Biological Chemistry, 2002, 277, 34793-34799.	3.4	327
5	Overlapping cleavage motif selectivity of caspases: implications for analysis of apoptotic pathways. Cell Death and Differentiation, 2008, 15, 322-331.	11.2	288
6	Connected to Death: The (Unexpurgated) Mitochondrial Pathway of Apoptosis. Science, 2005, 310, 66-67.	12.6	255
7	In situ trapping of activated initiator caspases reveals a role for caspase-2 in heat shock-induced apoptosis. Nature Cell Biology, 2006, 8, 72-77.	10.3	181
8	Characterization of Cytoplasmic Caspase-2 Activation by Induced Proximity. Molecular Cell, 2009, 35, 830-840.	9.7	131
9	Mitochondrial pathway of apoptosis is ancestral in metazoans. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4904-4909.	7.1	104
10	Modular assembly of yeast cytochrome oxidase. Molecular Biology of the Cell, 2013, 24, 440-452.	2.1	56
11	MDM2 Integrates Cellular Respiration and Apoptotic Signaling through NDUFS1 and the Mitochondrial Network. Molecular Cell, 2019, 74, 452-465.e7.	9.7	43
12	Modular biogenesis of mitochondrial respiratory complexes. Mitochondrion, 2020, 50, 94-114.	3.4	40
13	The Cox3p assembly module of yeast cytochrome oxidase. Molecular Biology of the Cell, 2014, 25, 965-976.	2.1	29
14	Functions of Cytochrome c Oxidase Assembly Factors. International Journal of Molecular Sciences, 2020, 21, 7254.	4.1	29
15	Measuring Apoptosis: Caspase Inhibitors and Activity Assays. Cold Spring Harbor Protocols, 2014, 2014, pdb.top070359.	0.3	25
16	Characterization of Assembly Intermediates Containing Subunit 1 of Yeast Cytochrome Oxidase. Journal of Biological Chemistry, 2013, 288, 26546-26556.	3.4	22
17	Regulation of Mitochondrial Dynamics by Proteolytic Processing and Protein Turnover. Antioxidants, 2018, 7, 15.	5.1	18
18	Stabilization of Cox1p intermediates by the Cox14pâ€“Coa3p complex. FEBS Letters, 2013, 587, 943-949.	2.8	15

#	Article	IF	Citations
19	Turnover of ATP synthase subunits in F1 -depleted HeLa and yeast cells. FEBS Letters, 2011, 585, 2582-2586.	2.8	14
20	Assembly of the Rotor Component of Yeast Mitochondrial ATP Synthase Is Enhanced When Atp9p Is Supplied by Atp9p-Cox6p Complexes. Journal of Biological Chemistry, 2014, 289, 31605-31616.	3.4	13
21	Cox2p of yeast cytochrome oxidase assembles as a stand-alone subunit with the Cox1p and Cox3p modules. Journal of Biological Chemistry, 2018, 293, 16899-16911.	3.4	12
22	Preparation of Cytosolic Extracts and Activation of Caspases by Cytochrome c. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot080275.	0.3	7
23	Complex formation and turnover of mitochondrial transporters and ion channels. Journal of Bioenergetics and Biomembranes, 2017, 49, 101-111.	2.3	6
24	Detection of Caspase Activity Using Antibody-Based Techniques. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot080291.	0.3	5
25	Digital DNA lifecycle security and privacy: an overview. Briefings in Bioinformatics, 2022, 23, .	6.5	5
26	Assaying Caspase Activity In Vitro. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot080283-pdb.prot080283.	0.3	4
27	In Vitro Use of Peptide Based Substrates and Inhibitors of Apoptotic Caspases. Methods in Molecular Biology, 2016, 1419, 57-67.	0.9	4
28	Identification of Active Caspases Using Affinity-Based Probes. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot080309-pdb.prot080309.	0.3	2
29	Verification of a Putative Caspase Substrate. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot080317.	0.3	2
30	Mitochondria and Cell Death. , 2011, , 37-43.		1
31	Identification of critical cysteine residues whose oxidative cross-linking regulates the mitochondrial permeability transition pore. Biochemical Society Transactions, 2001, 29, A78-A78.	3.4	0
32	Sanglifehrin A - a new inhibitor of the mitochondrial permeability transition that protects heart from reperfusion injury. Journal of Molecular and Cellular Cardiology, 2002, 34, A17.	1.9	0
33	Identification of Oma1p Protease Sensitive Sites in Subunit 1 of Yeast Cytochrome Oxidase. FASEB Journal, 2015, 29, 565.6.	0.5	0
34	Muscle Atrophy Phenotype Gene Expression During Spaceflight Is Linked to a Metabolic Stress Crosstalk Between the Liver and the Muscle in Mice. SSRN Electronic Journal, 0, , .	0.4	0