Anthony L Moore

List of Publications by Year
in descending order

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90 papers	3,479 citations	147801 31 h-index	144013 57 g-index
101 all docs	101 docs citations	101 times ranked	2288 citing authors

#	Article	IF	Citations
1	Targeting the alternative oxidase (AOX) for human health and food security, a pharmaceutical and agrochemical target or a rescue mechanism?. Biochemical Journal, 2022, 479, 1337-1359.	3.7	6
2	QSAR and molecular docking for the search of AOX inhibitors: a rational drug discovery approach. Journal of Computer-Aided Molecular Design, 2021, 35, 245-260.	2.9	12
3	Weak O2 binding and strong H2O2 binding at the non-heme diiron center of trypanosome alternative oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148356.	1.0	7
4	Kinetic characterisation and inhibitor sensitivity of Candida albicans and Candida auris recombinant AOX expressed in a self-assembled proteoliposome system. Scientific Reports, 2021, 11, 14748.	3.3	7
5	In vivo active organometallic-containing antimycotic agents. RSC Chemical Biology, 2021, 2, 1263-1273.	4.1	10
6	Comparison of the Kinetic Parameters of Alternative Oxidases From Trypanosoma brucei and Arabidopsis thalianaâ€"A Tale of Two Cavities. Frontiers in Plant Science, 2021, 12, 744218.	3.6	8
7	Bioenergetic consequences from xenotopic expression of a tunicate AOX in mouse mitochondria: Switch from RET and ROS to FET. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148137.	1.0	46
8	Biochemical characterization and inhibition of the alternative oxidase enzyme from the fungal phytopathogen Moniliophthora perniciosa. Communications Biology, 2020, 3, 263.	4.4	10
9	Kinetic and structural characterisation of the ubiquinol-binding site and oxygen reduction by the trypanosomal alternative oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148247.	1.0	6
10	Degradation of mitochondrial alternative oxidase in the appendices of Arum maculatum. Biochemical Journal, 2020, 477, 3417-3431.	3.7	9
11	Gentamicin Affects the Bioenergetics of Isolated Mitochondria and Collapses the Mitochondrial Membrane Potential in Cochlear Sensory Hair Cells. Frontiers in Cellular Neuroscience, 2019, 13, 416.	3.7	18
12	Discovery of trypanocidal coumarins with dual inhibition of both the glycerol kinase and alternative oxidase of Trypanosoma brucei brucei. FASEB Journal, 2019, 33, 13002-13013.	0.5	24
13	Insights into the ubiquinol/dioxygen binding and proton relay pathways of the alternative oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 375-382.	1.0	21
14	Respiratory Chain and ATP Synthase. , 2019, , .		4
15	Electron supply to the Q-junction: assessment of mitochondrial respiration, H2O2 flux and the redox state of the Q-pool. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, e61.	1.0	0
16	Targeting the alternative oxidase for antitrypanosomal drug development. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, e25-e26.	1.0	1
17	Self-assembled proteolipossomes to functionally characterize the alternative oxidase from Moniliophthora perniciosa. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, e65-e66.	1.0	1
18	The Human Gut Colonizer Blastocystis Respires Using Complex II and Alternative Oxidase to Buffer Transient Oxygen Fluctuations in the Gut. Frontiers in Cellular and Infection Microbiology, 2018, 8, 371.	3.9	26

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19	Selective Cytotoxicity of Dihydroorotate Dehydrogenase Inhibitors to Human Cancer Cells Under Hypoxia and Nutrient-Deprived Conditions. Frontiers in Pharmacology, 2018, 9, 997.	3.5	32
20	Structural insights into the alternative oxidases: are all oxidases made equal?. Biochemical Society Transactions, 2017, 45, 731-740.	3.4	45
21	Discovery of New Class of Trypanocidal Compounds Targeting the Energy Metabolism of African Trypanosomes. Open Forum Infectious Diseases, 2017, 4, S121-S121.	0.9	0
22	A Selfâ€Assembled Respiratory Chain that Catalyzes NADH Oxidation by Ubiquinoneâ€10 Cycling between Complexâ€…I and the Alternative Oxidase. Angewandte Chemie - International Edition, 2016, 55, 728-731.	13.8	37
23	Structure and Mechanism of Action of the Alternative Quinol Oxidases. Advances in Photosynthesis and Respiration, 2016, , 375-394.	1.0	5
24	Expression and Crystallization of the Plant Alternative Oxidase. Methods in Molecular Biology, 2015, 1305, 281-299.	0.9	0
25	Probing the ubiquinol-binding site of recombinant Sauromatum guttatum alternative oxidase expressed in E. coli membranes through site-directed mutagenesis. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1219-1225.	1.0	19
26	Structure of the trypanosomal alternative oxidase: Opportunities for rational drug design to treat trypanosomiasis. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, e127.	1.0	0
27	Purification and characterisation of recombinant DNA encoding the alternative oxidase from Sauromatum guttatum. Mitochondrion, 2014, 19, 261-268.	3.4	17
28	Unraveling the Heater: New Insights into the Structure of the Alternative Oxidase. Annual Review of Plant Biology, 2013, 64, 637-663.	18.7	129
29	The alternative oxidases: simple oxidoreductase proteins with complex functions. Biochemical Society Transactions, 2013, 41, 1305-1311.	3.4	24
30	Structure of the trypanosome cyanide-insensitive alternative oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4580-4585.	7.1	163
31	Different molecular bases underlie the mitochondrial respiratory activity in the homoeothermic spadices of Symplocarpus renifolius and the transiently thermogenic appendices of Arum maculatum. Biochemical Journal, 2012, 445, 237-246.	3.7	23
32	Interaction of purified alternative oxidase from thermogenic Arum maculatum with pyruvate. FEBS Letters, 2011, 585, 397-401.	2.8	26
33	A High-Throughput Assay for Modulators of NNT Activity in Permeabilized Yeast Cells. Journal of Biomolecular Screening, 2011, 16, 734-743.	2.6	0
34	Identification of a Gene for Pyruvate-Insensitive Mitochondrial Alternative Oxidase Expressed in the Thermogenic Appendices in Arum maculatum Â Â Â. Plant Physiology, 2011, 157, 1721-1732.	4.8	24
35	Mutagenesis of the Sauromatum guttatum alternative oxidase reveals features important for oxygen binding and catalysis. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 732-737.	1.0	33
36	Purification and kinetic characterization of recombinant alternative oxidase from Trypanosoma brucei brucei. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 443-450.	1.0	51

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37	Ubiquinol-binding site in the alternative oxidase: Mutagenesis reveals features important for substrate binding and inhibition. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1933-1939.	1.0	21
38	Crystallization and preliminary crystallographic analysis of cyanide-insensitive alternative oxidase fromTrypanosoma brucei brucei. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 275-278.	0.7	19
39	The Legs at odd angles (Loa) Mutation in Cytoplasmic Dynein Ameliorates Mitochondrial Function in SOD1G93A Mouse Model for Motor Neuron Disease. Journal of Biological Chemistry, 2010, 285, 18627-18639.	3.4	23
40	A Broad Distribution of the Alternative Oxidase in Microsporidian Parasites. PLoS Pathogens, 2010, 6, e1000761.	4.7	54
41	Three Redox States of Trypanosoma brucei Alternative Oxidase Identified by Infrared Spectroscopy and Electrochemistry. Journal of Biological Chemistry, 2009, 284, 31827-31833.	3.4	28
42	Towards a structural elucidation of the alternative oxidase in plants. Physiologia Plantarum, 2009, 137, 316-327.	5.2	59
43	Compelling EPR evidence that the alternative oxidase is a diiron carboxylate protein. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 327-330.	1.0	50
44	S11.40 Over-expression, purification and crystallisation of the alternative oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, S75.	1.0	0
45	S13/4 Structural and biochemical characterisation of the alternative oxidases. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, S89.	1.0	0
46	S13.14 Spectroscopic and structural studies of the alternative oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, S91-S92.	1.0	0
47	Regulation of thermogenesis in flowering Araceae: The role of the alternative oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 993-1000.	1.0	76
48	Further insights into the structure of the alternative oxidase: from plants to parasites. Biochemical Society Transactions, 2008, 36, 1022-1026.	3.4	67
49	Identification of a mitochondrial alcohol dehydrogenase in Schizosaccharomyces pombe: new insights into energy metabolism. Biochemical Journal, 2007, 401, 459-464.	3.7	15
50	An accurate and reproducible method for proteome profiling of the effects of salt stress in the rice leaf lamina. Journal of Experimental Botany, 2006, 57, 1109-1118.	4.8	227
51	Constitutive activity ofSauromatum guttatumalternative oxidase inSchizosaccharomyces pombeimplicates residues in addition to conserved cysteines in Î±-keto acid activation. FEBS Letters, 2005, 579, 331-336.	2.8	40
52	Purification of the plant alternative oxidase from Arum maculatum: measurement, stability and metal requirement. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1608, 181-189.	1.0	20
53	Structure of the Plant Alternative Oxidase. Journal of Biological Chemistry, 2002, 277, 1190-1194.	3.4	67
54	Over-expression of a mitochondrially-located HSP70 alters carbon metabolism in tobacco. Biochemical Society Transactions, 2002, 30, A31-A31.	3.4	0

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55	Exploring the molecular nature of alternative oxidase regulation and catalysis. FEBS Letters, 2002, 510, 121-126.	2.8	116
56	Function of the alternative oxidase: is it still a scavenger?. Trends in Plant Science, 2002, 7, 478-481.	8.8	176
57	Control of plant mitochondrial respiration. Biochimica Et Biophysica Acta - Bioenergetics, 2001, 1504, 58-69.	1.0	114
58	The effect of Y253F on the activity of the plant alternative oxidase in Schizosaccharomyces pombe mitochondria. Biochemical Society Transactions, 2001, 29, A123-A123.	3.4	0
59	The active site of the plant alternative oxidase: structural and mechanistic considerations. Pest Management Science, 2000, 56, 31-38.	3.4	7
60	Maesaquinone: A Novel Inhibitor of Plant Mitochondrial Respiratory Enzymes That React with Ubiquinone. IUBMB Life, 2000, 49, 533-537.	3.4	2
61	Mitochondrial electron transfer in the wheat pathogenic fungus Septoria tritici: on the role of alternative respiratory enzymes in fungicide resistance. Biochimica Et Biophysica Acta - Bioenergetics, 2000, 1459, 291-298.	1.0	28
62	Functional Expression of the Plant Alternative Oxidase Affects Growth of the Yeast Schizosaccharomyces pombe. Journal of Biological Chemistry, 1999, 274, 6212-6218.	3.4	32
63	In Vivo Ubiquinone Reduction Levels during Thermogenesis in Araceae1. Plant Physiology, 1998, 117, 1501-1506.	4.8	23
64	A Highly Conserved Glutamate Residue (Glu-270) Is Essential for Plant Alternative Oxidase Activity. Journal of Biological Chemistry, 1998, 273, 30301-30305.	3.4	39
65	Structure and Function of the Plant Alternative Oxidase: Its Putative Role in the Oxygen Defence Mechanism. Bioscience Reports, 1997, 17, 319-333.	2.4	160
66	Kinetic analysis of the mitochondrial quinol-oxidizing enzymes during development of thermogenesis in Arum maculatum L. Biochemical Journal, 1996, 317, 313-319.	3.7	25
67	Targeting the Plant Alternative Oxidase Protein to Mitochondria Confers Cyanide-insensitive Respiration. Journal of Biological Chemistry, 1996, 271, 17062-17066.	3.4	36
68	A mathematical model to describe quinone pool kinetics and analyse control of respiration in plant mitochondria. Biochemical Society Transactions, 1995, 23, 289S-289S.	3.4	4
69	Structure-function relationships of the alternative oxidase of plant mitochondria: A model of the active site. Journal of Bioenergetics and Biomembranes, 1995, 27, 367-377.	2.3	90
70	The active site of the cyanide-resistant oxidase from plant mitochondria contains a binuclear iron center. FEBS Letters, 1995, 362, 10-14.	2.8	127
71	The Relationship Between Electron Flux and the Redox Poise of the Quinone Pool in Plant Mitochondria. Interplay Between Quinol-Oxidizing and Quinone-Reducing Pathways. FEBS Journal, 1994, 226, 1071-1078.	0.2	71
72	Differential expression of proteins from plant mitochondria subjected to thermal stress. Biochemical Society Transactions, 1994, 22, 405S-405S.	3.4	3

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73	Titration of the external NADH dehydrogenase and the alternative oxidase in plant mitochondria. Biochemical Society Transactions, 1994, 22, 406S-406S.	3.4	2
74	A kinetic model for the regulation of electron transfer through the cyanide-resistant pathway in plant mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1142, 165-174.	1.0	41
75	The regulation of oxidative phosphorylation in plant mitochondria: The roles of the quinone-oxidizing and -reducing pathways. Biochemical Society Transactions, 1993, 21, 765-769.	3.4	10
76	The nature and regulation of the alternative oxidase of plant mitochondria. Biochemical Society Transactions, 1992, 20, 361-363.	3.4	6
77	Characterisation of PHSP1, a cDNA encoding a mitochondrial HSP70 fromPisum sativum. Plant Molecular Biology, 1992, 18, 23-32.	3.9	43
78	Schizosaccharomyces pombe mitochondria: Morphological, respiratory and protein import characteristics. Yeast, 1992, 8, 923-933.	1.7	29
79	The regulation and nature of the cyanide-resistant alternative oxidase of plant mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 1991, 1059, 121-140.	1.0	289
80	Measurement of the redox state of the ubiquinone pool inRhodobacter capsulatusmembrane fragments. FEBS Letters, 1990, 271, 123-127.	2.8	24
81	Measurement of the redox state of the ubiquinone pool in plant mitochondria. FEBS Letters, 1988, 235, 76-80.	2.8	74
82	The regulation of electron flux in plant mitochondria. Biochemical Society Transactions, 1986, 14, 894-894.	3.4	1
83	Calcium and plant organelles. Plant, Cell and Environment, 1984, 7, 423-429.	5.7	66
84	Intracellular-volume measurements of wheat-leaf mesophyll cells and protoplasts. Biochemical Society Transactions, 1984, 12, 850-851.	3.4	2
85	Membrane potential measurements in wheat-leaf mesophyll protoplasts. Biochemical Society Transactions, 1984, 12, 851-852.	3.4	1
86	H+/O stoichiometry in plant mitochondria. Biochemical Society Transactions, 1984, 12, 849-850.	3.4	3
87	Movement of amino acids into isolated plant mitochondria. FEBS Letters, 1982, 147, 26-30.	2.8	22
88	Dibutylchloromethyltin chloride, a potent inhibitor of electron transport in plant mitochondria. Journal of Bioenergetics and Biomembranes, 1980, 12, 309-323.	2.3	10
89	Studies on the mechanism of inhibition of redox enzymes by substituted hydroxamic acids. Biochimica Et Biophysica Acta - Biomembranes, 1978, 525, 325-337.	2.6	114
90	The determination of the proton-motive force during cyanide-insensitive respiration in plant mitochondria. Archives of Biochemistry and Biophysics, 1978, 186, 298-306.	3.0	76