Alan J Robinson

List of Publications by Year
in descending order

29 papers	4,147 citations	331538 21 h-index	477173 29 g-index
30 all docs	30 docs citations	30 times ranked	8087 citing authors

#	Article	IF	Citations
1	Ischaemic accumulation of succinate controls reperfusion injury through mitochondrial ROS. Nature, 2014, 515, 431-435.	13.7	1,989
2	Mitochondrial ROS regulate thermogenic energy expenditure and sulfenylation of UCP1. Nature, 2016, 532, 112-116.	13.7	341
3	Mitochondrial carriers in the cytoplasmic state have a common substrate binding site. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2617-2622.	3.3	237
4	Fumarate Is Cardioprotective via Activation of the Nrf2 Antioxidant Pathway. Cell Metabolism, 2012, 15, 361-371.	7.2	231
5	The mechanism of transport by mitochondrial carriers based on analysis of symmetry. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17766-17771.	3.3	200
6	MitoMiner v3.1, an update on the mitochondrial proteomics database. Nucleic Acids Research, 2016, 44, D1258-D1261.	6.5	182
7	Cardiolipin binds selectively but transiently to conserved lysine residues in the rotor of metazoan ATP synthases. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8687-8692.	3.3	116
8	Succinate accumulation drives ischaemia-reperfusion injury during organ transplantation. Nature Metabolism, 2019, 1, 966-974.	5.1	103
9	Near-complete elimination of mutant mtDNA by iterative or dynamic dose-controlled treatment with mtZFNs. Nucleic Acids Research, 2016, 44, 7804-7816.	6.5	97
10	MitoMiner v4.0: an updated database of mitochondrial localization evidence, phenotypes and diseases. Nucleic Acids Research, 2019, 47, D1225-D1228.	6.5	97
11	New genes and pathomechanisms in mitochondrial disorders unraveled by NGS technologies. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1326-1335.	0.5	87
12	A metabolic model of the mitochondrion and its use in modelling diseases of the tricarboxylic acid cycle. BMC Systems Biology, 2011, 5, 102.	3.0	62
13	Cardiolipin dynamics and binding to conserved residues in the mitochondrial ADP/ATP carrier. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1035-1045.	1.4	45
14	Metabolic effects of bezafibrate in mitochondrial disease. EMBO Molecular Medicine, 2020, 12, e11589.	3.3	45
15	Metabolic flexibility of mitochondrial respiratory chain disorders predicted by computer modelling. Mitochondrion, 2016, 31, 45-55.	1.6	39
16	Mitochondrial carrier homolog 2 (MTCH2): The recruitment and evolution of a mitochondrial carrier protein to a critical player in apoptosis. Experimental Cell Research, 2012, 318, 1316-1323.	1.2	34
17	MitoCore: a curated constraint-based model for simulating human central metabolism. BMC Systems Biology, 2017, 11, 114.	3.0	32
18	Mitochondrial oxodicarboxylate carrier deficiency is associated with mitochondrial DNA depletion and spinal muscular atrophyâ€“like disease. Genetics in Medicine, 2018, 20, 1224-1235.	1.1	31

#	Article	IF	Citations
19	The Causes and Consequences of Nonenzymatic Protein Acylation. Trends in Biochemical Sciences, 2018, 43, 921-932.	3.7	31
20	Mutation in the MICOS subunit gene APOO (MIC26) associated with an X-linked recessive mitochondrial myopathy, lactic acidosis, cognitive impairment and autistic features. Journal of Medical Genetics, 2021, 58, 155-167.	1.5	28
21	Proximal Cysteines that Enhance Lysine N-Acetylation of Cytosolic Proteins in Mice Are Less Conserved in Longer-Living Species. Cell Reports, 2018, 24, 1445-1455.	2.9	27
22	A novel de novo dominant mutation inISCUassociated with mitochondrial myopathy. Journal of Medical Genetics, 2017, 54, 815-824.	1.5	25
23	Mutations in TIMM50 compromise cell survival in OxPhosâ€dependent metabolic conditions. EMBO Molecular Medicine, 2018, 10, .	3.3	23
24	Compound heterozygous missense and deep intronic variants in NDUFAF6 unraveled by exome sequencing and mRNA analysis. Journal of Human Genetics, 2018, 63, 563-568.	1.1	15
25	Novel compound heterozygous pathogenic variants in nucleotide-binding protein like protein (NUBPL) cause leukoencephalopathy with multi-systemic involvement. Molecular Genetics and Metabolism, 2020, 129, 26-34.	0.5	9
26	Nucleotide-binding sites can enhance N-acylation of nearby protein lysine residues. Scientific Reports, 2020, 10, 20254.	1.6	8
27	Prognostic implications of troponin T variations in inherited cardiomyopathies using systems biology. Npj Genomic Medicine, 2021, 6, 47.	1.7	5
28	Neurodevelopmental regression, severe generalized dystonia, and metabolic acidosis caused by POLR3A mutations. Neurology: Genetics, 2020, 6, e521.	0.9	4
29	NDUFV1 mutations in complex I deficiency: Case reports and review of symptoms. Genetics and Molecular Biology, 2021, 44, e20210149.	0.6	4