

Howard T Jacobs, Howy Jacobs

List of Publications by Year in descending order

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250
papers

13,915
citations

36303

51
h-index

22832

112
g-index

265
all docs

265
docs citations

265
times ranked

13293
citing authors

#	ARTICLE	IF	CITATIONS
1	Alternative oxidase encoded by sequence-optimized and chemically-modified RNA transfected into mammalian cells is catalytically active. <i>Gene Therapy</i> , 2022, 29, 655-664.	4.5	5
2	CACGAACTACCCTAA. <i>EMBO Reports</i> , 2022, , e54646.	4.5	1
3	What physiological role(s) does the alternative oxidase perform in animals?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148556.	1.0	12
4	Cyanide resistant respiration and the alternative oxidase pathway: A journey from plants to mammals. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148567.	1.0	8
5	Mitochondrial electron transport chain is necessary for NLRP3 inflammasome activation. <i>Nature Immunology</i> , 2022, 23, 692-704.	14.5	107
6	Flying remote. <i>Fly</i> , 2021, 15, 45-46.	1.7	0
7	In search of El DORAdo. <i>EMBO Reports</i> , 2021, 22, e52516.	4.5	2
8	Fahrenheit 101. <i>EMBO Reports</i> , 2021, 22, e52768.	4.5	1
9	Freelancer. <i>EMBO Reports</i> , 2021, 22, e53194.	4.5	2
10	Another message from Intergalactic Bacterial Command. <i>EMBO Reports</i> , 2021, 22, e53388.	4.5	1
11	The alternative oxidase (AOX) increases sulphide tolerance in the highly invasive marine invertebrate <i>Ciona intestinalis</i> . <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	8
12	Dawning of the open era. <i>Fly</i> , 2021, 15, 89-90.	1.7	0
13	Borrowed robes. <i>EMBO Reports</i> , 2021, 22, e54050.	4.5	1
14	The most unkindest cut. <i>EMBO Reports</i> , 2021, 22, e54200.	4.5	2
15	Alternative NADH dehydrogenase extends lifespan and increases resistance to xenobiotics in <i>Drosophila</i> . <i>Biogerontology</i> , 2020, 21, 155-171.	3.9	13
16	Effects on Dopaminergic Neurons Are Secondary in COX-Deficient Locomotor Dysfunction in <i>Drosophila</i> . <i>IScience</i> , 2020, 23, 101362.	4.1	3
17	Short is still sweet. <i>Fly</i> , 2020, 14, 1-2.	1.7	0
18	A second hybrid-binding domain modulates the activity of <i>Drosophila</i> ribonuclease H1. <i>Journal of Biochemistry</i> , 2020, 168, 515-533.	1.7	0

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19	Regulation of growth in <i>Drosophila melanogaster</i> : the roles of mitochondrial metabolism. <i>Journal of Biochemistry</i> , 2020, 167, 267-277.	1.7	13
20	Bypassing mitochondrial complex III using alternative oxidase inhibits acute pulmonary oxygen sensing. <i>Science Advances</i> , 2020, 6, eaba0694.	10.3	39
21	Respiratory chain signalling is essential for adaptive remodelling following cardiac ischaemia. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 3534-3548.	3.6	15
22	Action and redaction. <i>EMBO Reports</i> , 2020, 21, e50838.	4.5	1
23	Black scientists matter. <i>EMBO Reports</i> , 2020, 21, e51926.	4.5	1
24	Alternative oxidase confers nutritional limitation on <i>Drosophila</i> development. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2019, 331, 341-356.	1.9	7
25	Phenotypic effects of dietary stress in combination with a respiratory chain bypass in mice. <i>Physiological Reports</i> , 2019, 7, e14159.	1.7	8
26	Mitochondrial dysfunction generates a growth-restraining signal linked to pyruvate in <i>Drosophila</i> larvae. <i>Fly</i> , 2019, 13, 12-28.	1.7	4
27	Hyperoxia but not AOX expression mitigates pathological cardiac remodeling in a mouse model of inflammatory cardiomyopathy. <i>Scientific Reports</i> , 2019, 9, 12741.	3.3	11
28	Germline knockdown of spargel (PGC-1) produces embryonic lethality in <i>Drosophila</i> . <i>Mitochondrion</i> , 2019, 49, 189-199.	3.4	0
29	Manipulating mtDNA in vivo reprograms metabolism via novel response mechanisms. <i>PLoS Genetics</i> , 2019, 15, e1008410.	3.5	7
30	Lethal Interaction of Nuclear and Mitochondrial Genotypes in <i>Drosophila melanogaster</i> . G3: Genes, Genomes, Genetics, 2019, 9, 2225-2234.	1.8	13
31	Minimal effects of spargel (PGC-1) overexpression in a <i>Drosophila</i> mitochondrial disease model. <i>Biology Open</i> , 2019, 8, .	1.2	4
32	Alternative oxidase-mediated respiration prevents lethal mitochondrial cardiomyopathy. <i>EMBO Molecular Medicine</i> , 2019, 11, .	6.9	53
33	RNase H1 promotes replication fork progression through oppositely transcribed regions of <i>Drosophila</i> mitochondrial DNA. <i>Journal of Biological Chemistry</i> , 2019, 294, 4331-4344.	3.4	14
34	Alternative respiratory chain enzymes: Therapeutic potential and possible pitfalls. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 854-866.	3.8	21
35	Alternative Oxidase Attenuates Cigarette Smoke-induced Lung Dysfunction and Tissue Damage. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 515-522.	2.9	37
36	Polyadenylation and degradation of structurally abnormal mitochondrial tRNAs in human cells. <i>Nucleic Acids Research</i> , 2018, 46, 5209-5226.	14.5	14

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37	Structural rearrangements in the mitochondrial genome of <i>Drosophila melanogaster</i> induced by elevated levels of the replicative DNA helicase. <i>Nucleic Acids Research</i> , 2018, 46, 3034-3046.	14.5	10
38	Xenotopic expression of alternative electron transport enzymes in animal mitochondria and their impact in health and disease. <i>Cell Biology International</i> , 2018, 42, 664-669.	3.0	4
39	Intracellular vesicle trafficking plays an essential role in mitochondrial quality control. <i>Molecular Biology of the Cell</i> , 2018, 29, 809-819.	2.1	2
40	Expression of the Alternative Oxidase Influences Jun N-Terminal Kinase Signaling and Cell Migration. <i>Molecular and Cellular Biology</i> , 2018, 38, .	2.3	11
41	Developmental arrest in <i>Drosophila melanogaster</i> caused by mitochondrial DNA replication defects cannot be rescued by the alternative oxidase. <i>Scientific Reports</i> , 2018, 8, 10882.	3.3	14
42	Perturbed Redox Signaling Exacerbates a Mitochondrial Myopathy. <i>Cell Metabolism</i> , 2018, 28, 764-775.e5.	16.2	70
43	Mitochondria are physiologically maintained at close to 50 Å°C. <i>PLoS Biology</i> , 2018, 16, e2003992.	5.6	295
44	Broad AOX expression in a genetically tractable mouse model does not disturb normal physiology. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 163-171.	2.4	46
45	Mitochondrial genotype modulates mtDNA copy number and organismal phenotype in <i>Drosophila</i> . <i>Mitochondrion</i> , 2017, 34, 75-83.	3.4	38
46	Expression of <i>Ciona intestinalis</i> AOX causes male reproductive defects in <i>Drosophila melanogaster</i> . <i>BMC Developmental Biology</i> , 2017, 17, 9.	2.1	14
47	Ligand-Bound GeneSwitch Causes Developmental Aberrations in <i>Drosophila</i> that Are Alleviated by the Alternative Oxidase. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 2839-2846.	1.8	12
48	Mitochondrial Dysfunction Plus High-Sugar Diet Provokes a Metabolic Crisis That Inhibits Growth. <i>PLoS ONE</i> , 2016, 11, e0145836.	2.5	27
49	Expression of the alternative oxidase mitigates beta-amyloid production and toxicity in model systems. <i>Free Radical Biology and Medicine</i> , 2016, 96, 57-66.	2.9	31
50	Succinate Dehydrogenase Supports Metabolic Repurposing of Mitochondria to Drive Inflammatory Macrophages. <i>Cell</i> , 2016, 167, 457-470.e13.	28.9	1,396
51	Diiron centre mutations in <i>Ciona intestinalis</i> alternative oxidase abolish enzymatic activity and prevent rescue of cytochrome oxidase deficiency in flies. <i>Scientific Reports</i> , 2016, 5, 18295.	3.3	15
52	Mitochondrial transcription termination factor 1 directs polar replication fork pausing. <i>Nucleic Acids Research</i> , 2016, 44, 5732-5742.	14.5	32
53	Î² carbonic anhydrase is required for female fertility in <i>Drosophila melanogaster</i> . <i>Frontiers in Zoology</i> , 2015, 12, 19.	2.0	11
54	Primer retention owing to the absence of RNase H1 is catastrophic for mitochondrial DNA replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9334-9339.	7.1	75

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55	A Rolling Circle Replication Mechanism Produces Multimeric Lariats of Mitochondrial DNA in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2015, 11, e1004985.	3.5	37
56	Poison running through my veins. <i>EMBO Reports</i> , 2014, 15, 123-123.	4.5	0
57	Skinhead on the <scp>MTA</scp>. <i>EMBO Reports</i> , 2014, 15, 199-199.	4.5	0
58	The Alternative Oxidase AOX Does Not Rescue the Phenotype of <i>tko25t</i> Mutant Flies. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 2013-2021.	1.8	22
59	Phenotypic rescue of a <i>Drosophila</i> model of mitochondrial ANT1 disease. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 635-48.	2.4	27
60	Safe European home. <i>EMBO Reports</i> , 2014, 15, 1001-1001.	4.5	0
61	A piece of cake. <i>EMBO Reports</i> , 2014, 15, 911-911.	4.5	0
62	Laboratory without walls. <i>EMBO Reports</i> , 2014, 15, 731-731.	4.5	0
63	Engineering the alternative oxidase gene to better understand and counteract mitochondrial defects: state of the art and perspectives. <i>British Journal of Pharmacology</i> , 2014, 171, 2243-2249.	5.4	49
64	The winning of the Western. <i>EMBO Reports</i> , 2014, 15, 1223-1223.	4.5	0
65	Something rotten. <i>EMBO Reports</i> , 2014, 15, 817-817.	4.5	3
66	Expression of alternative oxidase in <i>Drosophila</i> ameliorates diverse phenotypes due to cytochrome oxidase deficiency. <i>Human Molecular Genetics</i> , 2014, 23, 2078-2093.	2.9	57
67	Screen for mitochondrial <scp>DNA</scp> copy number maintenance genes reveals essential role for <scp>ATP</scp> synthase. <i>Molecular Systems Biology</i> , 2014, 10, 734.	7.2	33
68	I'm a teenage lobotomy. <i>EMBO Reports</i> , 2014, 15, 619-619.	4.5	2
69	<i>Ciona intestinalis</i> NADH dehydrogenase NDX confers stress-resistance and extended lifespan on <i>Drosophila</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1861-1869.	1.0	16
70	Unique features of DNA replication in mitochondria: A functional and evolutionary perspective. <i>BioEssays</i> , 2014, 36, 1024-1031.	2.5	31
71	A Global Academy of Sciences. <i>EMBO Reports</i> , 2014, 15, 323-323.	4.5	0
72	Bored teenagers. <i>EMBO Reports</i> , 2014, 15, 455-455.	4.5	1

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73	No more Mr Nasty. EMBO Reports, 2014, 15, 1103-1103.	4.5	2
74	A Mitochondrial Ribosomal and RNA Decay Pathway Blocks Cell Proliferation. Current Biology, 2013, 23, 535-541.	3.9	103
75	Yes we can, but do we?. EMBO Reports, 2013, 14, 749-749.	4.5	1
76	Howyland. EMBO Reports, 2013, 14, 481-481.	4.5	3
77	Rise of the planet. EMBO Reports, 2013, 14, 1-1.	4.5	6
78	Island of hope. EMBO Reports, 2013, 14, 659-659.	4.5	0
79	Mitochondrial Transcription Terminator Family Members mTTF and mTerf5 Have Opposing Roles in Coordination of mtDNA Synthesis. PLoS Genetics, 2013, 9, e1003800.	3.5	17
80	Alternative Oxidase Expression in the Mouse Enables Bypassing Cytochrome c Oxidase Blockade and Limits Mitochondrial ROS Overproduction. PLoS Genetics, 2013, 9, e1003182.	3.5	96
81	Mitochondrial DNA replication proceeds via a "bootlace"™ mechanism involving the incorporation of processed transcripts. Nucleic Acids Research, 2013, 41, 5837-5850.	14.5	93
82	Had enough of that crummy stuff. EMBO Reports, 2013, 14, 847-847.	4.5	1
83	Lost in the supermarket. EMBO Reports, 2013, 14, 213-213.	4.5	1
84	Science is the drug. EMBO Reports, 2013, 14, 1023-1023.	4.5	0
85	Dear DORA. EMBO Reports, 2013, 14, 947-947.	4.5	1
86	From the mouth of Apollo. EMBO Reports, 2013, 14, 395-395.	4.5	0
87	Circles in the desert. EMBO Reports, 2013, 14, 103-103.	4.5	1
88	1914"2014: never again. EMBO Reports, 2013, 14, 577-577.	4.5	0
89	Analysis of Replication Intermediates Indicates That Drosophila melanogaster Mitochondrial DNA Replicates by a Strand-Coupled Theta Mechanism. PLoS ONE, 2013, 8, e53249.	2.5	29
90	Alternative oxidase rescues mitochondria-mediated dopaminergic cell loss in Drosophila. Human Molecular Genetics, 2012, 21, 2698-2712.	2.9	51

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91	A Cytoplasmic Suppressor of a Nuclear Mutation Affecting Mitochondrial Functions in <i>Drosophila</i> . <i>Genetics</i> , 2012, 192, 483-493.	2.9	23
92	All Chinese to me. <i>EMBO Reports</i> , 2012, 13, 91-91.	4.5	2
93	Epiphany or Magi?. <i>EMBO Reports</i> , 2012, 13, 1031-1031.	4.5	1
94	Things we know we know. <i>EMBO Reports</i> , 2012, 13, 279-279.	4.5	1
95	Lo, what fools these mortals be. <i>EMBO Reports</i> , 2012, 13, 869-869.	4.5	1
96	Log cabins and lab coats. <i>EMBO Reports</i> , 2012, 13, 941-941.	4.5	1
97	Glucose Modulates Respiratory Complex I Activity in Response to Acute Mitochondrial Dysfunction. <i>Journal of Biological Chemistry</i> , 2012, 287, 38729-38740.	3.4	46
98	Therapies in inborn errors of oxidative metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 488-495.	7.1	19
99	dj-1 ² regulates oxidative stress, insulin-like signaling and development in <i>Drosophila melanogaster</i> . <i>Cell Cycle</i> , 2012, 11, 3876-3886.	2.6	25
100	Mama Grizzly and the polar bears. <i>EMBO Reports</i> , 2012, 13, 471-471.	4.5	1
101	Every cell is sacred. <i>EMBO Reports</i> , 2012, 13, 171-171.	4.5	0
102	At the cliff's edge. <i>EMBO Reports</i> , 2012, 13, 577-577.	4.5	2
103	Of pirates and pogos. <i>EMBO Reports</i> , 2012, 13, 765-765.	4.5	1
104	Human mitochondrial transcription factor A induces a U-turn structure in the light strand promoter. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 1281-1289.	8.2	168
105	Liberty, safety or neither?. <i>EMBO Reports</i> , 2011, 12, 1085-1085.	4.5	1
106	These are your rights. <i>EMBO Reports</i> , 2011, 12, 981-981.	4.5	1
107	Freedom's roar. <i>EMBO Reports</i> , 2011, 12, 743-743.	4.5	0
108	The hitchhiker's guide to <i>E. coli</i> . <i>EMBO Reports</i> , 2011, 12, 1205-1205.	4.5	1

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109	Top Doc. EMBO Reports, 2011, 12, 1-1.	4.5	5
110	Warhead. EMBO Reports, 2011, 12, 91-91.	4.5	1
111	Jobs for the boys. EMBO Reports, 2011, 12, 179-179.	4.5	1
112	Barmy army. EMBO Reports, 2011, 12, 285-285.	4.5	0
113	Each under his own vine and fig tree. EMBO Reports, 2011, 12, 379-379.	4.5	1
114	From and to a very grey area. EMBO Reports, 2011, 12, 479-479.	4.5	7
115	Overexpression of MTERFD1 or MTERFD3 impairs the completion of mitochondrial DNA replication. Molecular Biology Reports, 2011, 38, 1321-1328.	2.3	36
116	Genome wide study of NF-Y type CCAAT boxes in unidirectional and bidirectional promoters in human and mouse. Journal of Theoretical Biology, 2011, 281, 74-83.	1.7	11
117	Nocturnal emissions. EMBO Reports, 2011, 12, 871-871.	4.5	0
118	â€˜The Molecular Biology of the Hamburgerâ€™™. EMBO Reports, 2011, 12, 609-609.	4.5	1
119	Effects on mitochondrial transcription of manipulating mTERF protein levels in cultured human HEK293 cells. BMC Molecular Biology, 2010, 11, 72.	3.0	17
120	Human mitochondrial mTERF wraps around DNA through a left-handed superhelical tandem repeat. Nature Structural and Molecular Biology, 2010, 17, 891-893.	8.2	46
121	Postdockin' in the free world. EMBO Reports, 2010, 11, 1-1.	4.5	11
122	Race to the top. EMBO Reports, 2010, 11, 73-73.	4.5	1
123	We are what we read. EMBO Reports, 2010, 11, 561-561.	4.5	0
124	Anarchy for the EMBC. EMBO Reports, 2010, 11, 647-647.	4.5	0
125	A whale of a project. EMBO Reports, 2010, 11, 719-719.	4.5	0
126	A Clockwork Orangeâ€™”served with whipped cream?. EMBO Reports, 2010, 11, 813-814.	4.5	0

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127	Can't pay, must pay. EMBO Reports, 2010, 11, 897-897.	4.5	3
128	Einstein's grandchildren. EMBO Reports, 2010, 11, 239-239.	4.5	0
129	Dear [Dr/Prof] [Last name]. EMBO Reports, 2010, 11, 325-325.	4.5	0
130	Tenure track or shooting gallery?. EMBO Reports, 2010, 11, 407-407.	4.5	0
131	Name of the game. EMBO Reports, 2010, 11, 487-487.	4.5	0
132	Gene Expression in a Drosophila Model of Mitochondrial Disease. PLoS ONE, 2010, 5, e8549.	2.5	64
133	Stabilization of Hypoxia-inducible Factor-1 α Protein in Hypoxia Occurs Independently of Mitochondrial Reactive Oxygen Species Production. Journal of Biological Chemistry, 2010, 285, 31277-31284.	3.4	154
134	Expression of the yeast NADH dehydrogenase Ndi1 in <i>Drosophila</i> confers increased lifespan independently of dietary restriction. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9105-9110.	7.1	132
135	Mammalian Mitochondrial DNA Replication Intermediates Are Essentially Duplex but Contain Extensive Tracts of RNA/DNA Hybrid. Journal of Molecular Biology, 2010, 397, 1144-1155.	4.2	110
136	Developmental and Pathological Changes in the Human Cardiac Muscle Mitochondrial DNA Organization, Replication and Copy Number. PLoS ONE, 2010, 5, e10426.	2.5	43
137	Mitochondrial ROS production correlates with, but does not directly regulate lifespan in drosophila. Aging, 2010, 2, 200-223.	3.1	101
138	Human Heart Mitochondrial DNA Is Organized in Complex Catenated Networks Containing Abundant Four-way Junctions and Replication Forks. Journal of Biological Chemistry, 2009, 284, 21446-21457.	3.4	110
139	Expression of the alternative oxidase complements cytochrome <i>c</i> oxidase deficiency in human cells. EMBO Molecular Medicine, 2009, 1, 30-36.	6.9	89
140	DNA conformation-dependent activities of human mitochondrial RNA polymerase. Genes To Cells, 2009, 14, 1029-1042.	1.2	23
141	Dear Minister. EMBO Reports, 2009, 10, 533-533.	4.5	3
142	Short is sweet. EMBO Reports, 2009, 10, 935-935.	4.5	3
143	Pay to cite. EMBO Reports, 2009, 10, 1067-1067.	4.5	3
144	Boycott everything. EMBO Reports, 2009, 10, 1183-1183.	4.5	1

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145	Working for the clampdown. EMBO Reports, 2009, 10, 1281-1281.	4.5	2
146	Many pies, one finger. EMBO Reports, 2009, 10, 295-295.	4.5	0
147	The alternative oxidase, a tool for compensating cytochrome <i>c</i> oxidase deficiency in human cells. Physiologia Plantarum, 2009, 137, 427-434.	5.2	31
148	Respiratory chain alternative enzymes as tools to better understand and counteract respiratory chain deficiencies in human cells and animals. Physiologia Plantarum, 2009, 137, 362-370.	5.2	41
149	Expression of the <i>Ciona intestinalis</i> Alternative Oxidase (AOX) in <i>Drosophila</i> Complements Defects in Mitochondrial Oxidative Phosphorylation. Cell Metabolism, 2009, 9, 449-460.	16.2	156
150	NF-Y influences directionality of transcription from the bidirectional Mrps12/Sarsm promoter in both mouse and human cells. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2009, 1789, 432-442.	1.9	12
151	Phenotypic suppression of the <i>Drosophila</i> mitochondrial disease-like mutant tko25t by duplication of the mutant gene in its natural chromosomal context. Mitochondrion, 2009, 9, 353-363.	3.4	15
152	Modulation of Mrps12/Sarsm promoter activity in response to mitochondrial stress. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 2352-2362.	4.1	11
153	The Dominant Cold-Sensitive Out-Cold Mutants of <i>Drosophila melanogaster</i> Have Novel Missense Mutations in the Voltage-Gated Sodium Channel Gene paralytic. Genetics, 2008, 180, 873-884.	2.9	20
154	No Influence of Indy on Lifespan in <i>Drosophila</i> after Correction for Genetic and Cytoplasmic Background Effects. PLoS Genetics, 2007, 3, e95.	3.5	95
155	The bidirectional promoter of two genes for the mitochondrial translational apparatus in mouse is regulated by an array of CCAAT boxes interacting with the transcription factor NF-Y. Nucleic Acids Research, 2007, 35, 664-677.	14.5	27
156	The mitochondrial transcription termination factor mTERF modulates replication pausing in human mitochondrial DNA. Nucleic Acids Research, 2007, 35, 6458-6474.	14.5	95
157	On modeling of mutation probabilities. Computers in Biology and Medicine, 2007, 37, 1719-1723.	7.0	0
158	Replication of vertebrate mitochondrial DNA entails transient ribonucleotide incorporation throughout the lagging strand. EMBO Journal, 2006, 25, 5358-5371.	7.8	205
159	Mitochondrial medicine: A metabolic perspective on the pathology of oxidative phosphorylation disorders. Cell Metabolism, 2006, 3, 9-13.	16.2	210
160	Allotopic expression of a mitochondrial alternative oxidase confers cyanide resistance to human cell respiration. EMBO Reports, 2006, 7, 341-345.	4.5	110
161	Alterations to the expression level of mitochondrial transcription factor A, TFAM, modify the mode of mitochondrial DNA replication in cultured human cells. Nucleic Acids Research, 2006, 34, 5815-5828.	14.5	151
162	Acquisition of the wobble modification in mitochondrial tRNA ^{Leu} (CUN) bearing the G12300A mutation suppresses the MELAS molecular defect. Human Molecular Genetics, 2006, 15, 897-904.	2.9	36

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163	Mitochondrial DNA mutations in patients with postlingual, nonsyndromic hearing impairment. <i>European Journal of Human Genetics</i> , 2005, 13, 26-33.	2.8	110
164	Nuclear genes and mitochondrial translation: a new class of genetic disease. <i>Trends in Genetics</i> , 2005, 21, 312-314.	6.7	109
165	Novel Repetitive Structures, Deviant Protein-Encoding Sequences and Unidentified ORFs in the Mitochondrial Genome of the Brachiopod <i>Lingula anatina</i> . <i>Journal of Molecular Evolution</i> , 2005, 61, 36-53.	1.8	46
166	Systematic Segregation to Mutant Mitochondrial DNA and Accompanying Loss of Mitochondrial DNA in Human NT2 Teratocarcinoma Cybrids. <i>Genetics</i> , 2005, 170, 1879-1885.	2.9	29
167	A Bidirectional Origin of Replication Maps to the Major Noncoding Region of Human Mitochondrial DNA. <i>Molecular Cell</i> , 2005, 18, 651-662.	9.7	148
168	Wobble modification deficiency in mutant tRNAs in patients with mitochondrial diseases. <i>FEBS Letters</i> , 2005, 579, 2948-2952.	2.8	68
169	Somatic mtDNA mutations cause aging phenotypes without affecting reactive oxygen species production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17993-17998.	7.1	491
170	Premature ageing in mice expressing defective mitochondrial DNA polymerase. <i>Nature</i> , 2004, 429, 417-423.	27.8	2,318
171	A prevalent POLG CAG microsatellite length allele in humans and African great apes. <i>Mammalian Genome</i> , 2004, 15, 492-502.	2.2	22
172	Comparative Genetics of Functional Trinucleotide Tandem Repeats in Humans and Apes. <i>Journal of Molecular Evolution</i> , 2004, 59, 329-339.	1.8	33
173	The Euromit meetings: an international platform for the understanding and combat of mitochondrial disease. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1659, 105-106.	1.0	0
174	Mitochondrial disease in flies. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1659, 190-196.	1.0	26
175	The 7472insC mtDNA mutation impairs 5' and 3' processing of tRNA ^{Ser} (UCN). <i>Biochemical and Biophysical Research Communications</i> , 2004, 322, 803-813.	2.1	23
176	Response: The mitochondrial DNA replication bubble has not burst. <i>Trends in Biochemical Sciences</i> , 2003, 28, 355-356.	7.5	62
177	The V368i mutation in Twinkle does not segregate with adPEO. <i>Annals of Neurology</i> , 2003, 53, 278-278.	5.3	7
178	The mitochondrial theory of aging: dead or alive?. <i>Aging Cell</i> , 2003, 2, 11-17.	6.7	106
179	Rebuttal to Pak et al.: New data, old chestnuts. <i>Aging Cell</i> , 2003, 2, 19-20.	6.7	6
180	Gene dosage and selective expression modify phenotype in a <i>Drosophila</i> model of human mitochondrial disease. <i>Mitochondrion</i> , 2003, 3, 83-96.	3.4	19

#	ARTICLE	IF	CITATIONS
181	Mammalian Mitochondrial DNA Replicates Bidirectionally from an Initiation Zone. <i>Journal of Biological Chemistry</i> , 2003, 278, 50961-50969.	3.4	174
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