Douglas C Wallace

List of Publications by Year
in descending order

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171 papers	35,853 citations	5558 82 h-index	5965 160 g-index
179 all docs	179 docs citations	179 times ranked	32075 citing authors

#	Article	IF	Citations
1	A Mitochondrial Paradigm of Metabolic and Degenerative Diseases, Aging, and Cancer: A Dawn for Evolutionary Medicine. Annual Review of Genetics, 2005, 39, 359-407.	3.2	2,836
2	Mitochondria and cancer. Nature Reviews Cancer, 2012, 12, 685-698.	12.8	1,829
3	Dilated cardiomyopathy and neonatal lethality in mutant mice lacking manganese superoxide dismutase. Nature Genetics, 1995, 11, 376-381.	9.4	1,609
4	Extension of Murine Life Span by Overexpression of Catalase Targeted to Mitochondria. Science, 2005, 308, 1909-1911.	6.0	1,576
5	Myoclonic epilepsy and ragged-red fiber disease (MERRF) is associated with a mitochondrial DNA tRNALys mutation. Cell, 1990, 61, 931-937.	13.5	1,446
6	Diseases of the Mitochondrial DNA. Annual Review of Biochemistry, 1992, 61, 1175-1212.	5.0	1,316
7	The ADP/ATP translocator is not essential for the mitochondrial permeability transition pore. Nature, 2004, 427, 461-465.	13.7	986
8	Natural selection shaped regional mtDNA variation in humans. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 171-176.	3.3	889
9	Mitochondrial DNA deletions in human brain: regional variability and increase with advanced age. Nature Genetics, 1992, 2, 324-329.	9.4	862
10	mtDNA mutations increase tumorigenicity in prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 719-724.	3.3	763
11	Foxp3 Reprograms T Cell Metabolism to Function in Low-Glucose, High-Lactate Environments. Cell Metabolism, 2017, 25, 1282-1293.e7.	7.2	741
12	Effects of Purifying and Adaptive Selection on Regional Variation in Human mtDNA. Science, 2004, 303, 223-226.	6.0	719
13	Classification of European mtDNAs From an Analysis of Three European Populations. Genetics, 1996, 144, 1835-1850.	1.2	709
14	[42]Assessment of mitochondrial oxidative phosphorylation in patient muscle biopsies, lymphoblasts, and transmitochondrial cell lines. Methods in Enzymology, 1996, 264, 484-509.	0.4	696
15	Mitochondrial Energetics and Therapeutics. Annual Review of Pathology: Mechanisms of Disease, 2010, 5, 297-348.	9.6	610
16	Maternally transmitted diabetes and deafness associated with a 10.4 kb mitochondrial DNA deletion. Nature Genetics, 1992, 1, 11-15.	9.4	602
17	A mouse model for mitochondrial myopathy and cardiomyopathy resulting from a deficiency in the heart/muscle isoform of the adenine nucleotide translocator. Nature Genetics, 1997, 16, 226-234.	9.4	523
18	Familial mitochondrial encephalomyopathy (MERRF): Genetic, pathophysiological, and biochemical characterization of a mitochondrial DNA disease. Cell, 1988, 55, 601-610.	13.5	510

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19	Alzheimer's brains harbor somatic mtDNA control-region mutations that suppress mitochondrial transcription and replication. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10726-10731.	3.3	500
20	Mitochondrial DNA Genetics and the Heteroplasmy Conundrum in Evolution and Disease. Cold Spring Harbor Perspectives in Biology, 2013, 5, a021220-a021220.	2.3	496
21	Mitochondrial DNA mutations in disease and aging. Environmental and Molecular Mutagenesis, 2010, 51, 440-450.	0.9	479
22	A novel neurological phenotype in mice lacking mitochondrial manganese superoxide dismutase. Nature Genetics, 1998, 18, 159-163.	9.4	477
23	Mitochondrial DNA Variants Observed in Alzheimer Disease and Parkinson Disease Patients. Genomics, 1993, 17, 171-184.	1.3	456
24	Energetics, epigenetics, mitochondrial genetics. Mitochondrion, 2010, 10, 12-31.	1.6	428
25	A Mouse Model of Mitochondrial Disease Reveals Germline Selection Against Severe mtDNA Mutations. Science, 2008, 319, 958-962.	6.0	408
26	mtDNA Variation and Analysis Using Mitomap and Mitomaster. Current Protocols in Bioinformatics, 2013, 44, 1.23.1-26.	25.8	390
27	The rise of mitochondria in medicine. Mitochondrion, 2016, 30, 105-116.	1.6	349
28	Heteroplasmy of Mouse mtDNA Is Genetically Unstable and Results in Altered Behavior and Cognition. Cell, 2012, 151, 333-343.	13.5	333
29	Mitochondrial oxidative phosphorylation defects in parkinson's disease. Annals of Neurology, 1991, 30, 332-339.	2.8	314
30	African Origin of Modern Humans in East Asia: A Tale of 12,000 Y Chromosomes. Science, 2001, 292, 1151-1153.	6.0	310
31	Why Do We Still Have a Maternally Inherited Mitochondrial DNA? Insights from Evolutionary Medicine. Annual Review of Biochemistry, 2007, 76, 781-821.	5.0	310
32	Marked Changes in Mitochondrial DNA Deletion Levels in Alzheimer Brains. Genomics, 1994, 23, 471-476.	1.3	290
33	A mitochondrial etiology of Alzheimer and Parkinson disease. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 553-564.	1.1	268
34	A mitochondrial bioenergetic etiology of disease. Journal of Clinical Investigation, 2013, 123, 1405-1412.	3.9	261
35	Progressive increase in mtDNA 3243A>G heteroplasmy causes abrupt transcriptional reprogramming. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4033-42.	3.3	251
36	Functional Estrogen Receptors in the Mitochondria of Breast Cancer Cells. Molecular Biology of the Cell, 2006, 17, 2125-2137.	0.9	236

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37	Phylogenetic analysis of Leber's hereditary optic neuropathy mitochondrial DNA's indicates multiple independent occurrences of the common mutations. Human Mutation, 1995, 6, 311-325.	1.1	235
38	Mitochondrial genetic medicine. Nature Genetics, 2018, 50, 1642-1649.	9.4	226
39	Sequence analysis of cDNAs for the human and bovine ATP synthase ? subunit: mitochondrial DNA genes sustain seventeen times more mutations. Current Genetics, 1987, 12, 81-90.	0.8	223
40	The structure of human mitochondrial DNA variation. Journal of Molecular Evolution, 1991, 33, 543-555.	0.8	213
41	Essential role of mitochondrial energy metabolism in Foxp3 ⁺ Tâ€regulatory cell function and allograft survival. FASEB Journal, 2015, 29, 2315-2326.	0.2	213
42	Mitochondrial functions modulate neuroendocrine, metabolic, inflammatory, and transcriptional responses to acute psychological stress. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6614-23.	3.3	209
43	Maternally inherited mitochondrial myopathy and myoclonic epilepsy. Annals of Neurology, 1985, 17, 228-237.	2.8	199
44	Mitochondrial DNA Variation in Human Radiation and Disease. Cell, 2015, 163, 33-38.	13.5	197
45	Leber's hereditary optic neuropathy: a model for mitochondrial neurodegenerative diseases. FASEB Journal, 1992, 6, 2791-2799.	0.2	190
46	Mouse mtDNA mutant model of Leber hereditary optic neuropathy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20065-20070.	3.3	189
47	mtDNA Variation in the South African Kung and Khweâ€"and Their Genetic Relationships to Other African Populations. American Journal of Human Genetics, 2000, 66, 1362-1383.	2.6	188
48	Mitochondrial DNA analysis in Tibet: Implications for the origin of the Tibetan population and its adaptation to high altitude. American Journal of Physical Anthropology, 1994, 93, 189-199.	2.1	187
49	Fundamental Biological Features of Spaceflight: Advancing the Field to Enable Deep-Space Exploration. Cell, 2020, 183, 1162-1184.	13.5	185
50	H+ transport is an integral function of the mitochondrial ADP/ATP carrier. Nature, 2019, 571, 515-520.	13.7	183
51	Dramatic founder effects in Amerindian mitochondrial DNAs. American Journal of Physical Anthropology, 1985, 68, 149-155.	2.1	181
52	The pathophysiology of mitochondrial disease as modeled in the mouse. Genes and Development, 2009, 23, 1714-1736.	2.7	179
53	The mitochondrial genome in human adaptive radiation and disease: On the road to therapeutics and performance enhancement. Gene, 2005, 354, 169-180.	1.0	177
54	A Mitochondrial Paradigm for Degenerative Diseases and Ageing. Novartis Foundation Symposium, 2008, 235, 247-266.	1.2	174

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55	Comprehensive Multi-omics Analysis Reveals Mitochondrial Stress as a Central Biological Hub for Spaceflight Impact. Cell, 2020, 183, 1185-1201.e20.	13.5	161
56	Evidence for adaptive selection acting on the tRNA and rRNA genes of human mitochondrial DNA. Human Mutation, 2006, 27, 1072-1081.	1.1	152
57	Mouse models for mitochondrial disease. American Journal of Medical Genetics Part A, 2001, 106, 71-93.	2.4	151
58	Coordinate Induction of Energy Gene Expression in Tissues of Mitochondrial Disease Patients. Journal of Biological Chemistry, 1999, 274, 22968-22976.	1.6	150
59	The ADP/ATP translocase drives mitophagy independent of nucleotide exchange. Nature, 2019, 575, 375-379.	13.7	149
60	Trans-mitochondrial coordination of cristae at regulated membrane junctions. Nature Communications, 2015, 6, 6259.	5.8	143
61	Molecular and bioenergetic differences between cells with African versus European inherited mitochondrial DNA haplogroups: Implications for population susceptibility to diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 208-219.	1.8	136
62	Lactate Limits T Cell Proliferation via the NAD(H) Redox State. Cell Reports, 2020, 33, 108500.	2.9	135
63	Systemic Mitochondrial Dysfunction and the Etiology of Alzheimer's Disease and Down Syndrome Dementia. Journal of Alzheimer's Disease, 2010, 20, S293-S310.	1.2	133
64	Mitochondrial DNA variant associated with Leber hereditary optic neuropathy and high-altitude Tibetans. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7391-7396.	3.3	129
65	Mitochondria as Chi. Genetics, 2008, 179, 727-735.	1.2	125
66	Mitochondrial DNA-like sequences in the nucleus (NUMTs): Insights into our African origins and the mechanism of foreign DNA integration. Human Mutation, 2004, 23, 125-133.	1.1	122
67	Mitochondrial Etiology of Neuropsychiatric Disorders. Biological Psychiatry, 2018, 83, 722-730.	0.7	121
68	Precancer Atlas to Drive Precision Prevention Trials. Cancer Research, 2017, 77, 1510-1541.	0.4	116
69	Bioenergetics, the origins of complexity, and the ascent of man. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8947-8953.	3.3	113
70	Life extension through neurofibromin mitochondrial regulation and antioxidant therapy for neurofibromatosis-1 in Drosophila melanogaster. Nature Genetics, 2007, 39, 476-485.	9.4	111
71	MITOMAP: a human mitochondrial genome database--1998 update. Nucleic Acids Research, 1998, 26, 112-115.	6.5	108
72	Regulation of nuclear epigenome by mitochondrial DNA heteroplasmy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16028-16035.	3.3	108

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73	Host mitochondria influence gut microbiome diversity: A role for ROS. Science Signaling, 2019, 12, .	1.6	106
74	Leber's hereditary optic neuropathy plus dystonia is caused by a mitochondrial DNA point mutation. Annals of Neurology, 1995, 38, 163-169.	2.8	102
75	Bioenergetics in human evolution and disease: implications for the origins of biological complexity and the missing genetic variation of common diseases. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120267.	1.8	102
76	Inherited mitochondrial DNA variants can affect complement, inflammation and apoptosis pathways: insights into mitochondrial-nuclear interactions. Human Molecular Genetics, 2014, 23, 3537-3551.	1.4	101
77	Mitochondrial DNA variation and cancer. Nature Reviews Cancer, 2021, 21, 431-445.	12.8	98
78	Association between mitochondrial DNA variations and Alzheimer's disease in the ADNI cohort. Neurobiology of Aging, 2010, 31, 1355-1363.	1.5	97
79	Mutations of Human NARS2, Encoding the Mitochondrial Asparaginyl-tRNA Synthetase, Cause Nonsyndromic Deafness and Leigh Syndrome. PLoS Genetics, 2015, 11, e1005097.	1.5	97
80	Predicting the pathogenicity of novel variants in mitochondrial tRNA with MitoTIP. PLoS Computational Biology, 2017, 13, e1005867.	1.5	93
81	A Mitochondrial Etiology of Neurodegenerative Diseases: Evidence from Parkinson's Disease. Annals of the New York Academy of Sciences, 2008, 1147, 1-20.	1.8	92
82	Unlocking the Secrets of Mitochondria in the Cardiovascular System. Circulation, 2019, 140, 1205-1216.	1.6	91
83	Novel mtDNA mutations and oxidative phosphorylation dysfunction in Russian LHON families. Human Genetics, 2001, 109, 33-39.	1.8	90
84	Mitotic segregation of mitochondrial dnas in human cell hybrids and expression of chloramphenicol resistance. Somatic Cell and Molecular Genetics, 1986, 12, 41-49.	0.7	87
85	Severity of cardiomyopathy associated with adenine nucleotide translocator-1 deficiency correlates with mtDNA haplogroup. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3453-3458.	3.3	87
86	Survivin promotes oxidative phosphorylation, subcellular mitochondrial repositioning, and tumor cell invasion. Science Signaling, 2015, 8, ra80.	1.6	84
87	Specifications of the ACMG/AMP standards and guidelines for mitochondrial DNA variant interpretation. Human Mutation, 2020, 41, 2028-2057.	1.1	84
88	Mitochondrial DNA sequence analysis of four Alzheimer's and Parkinson's disease patients. , 1996, 61, 283-289.		83
89	Animal Models for Mitochondrial Disease. , 2002, 197, 003-054.		83
90	Mitochondrial DNA in evolution and disease. Nature, 2016, 535, 498-500.	13.7	82

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91	Mitochondrial DNA haplogroups influence AIDS progression. Aids, 2008, 22, 2429-2439.	1.0	78
92	Mitochondrial Disease Sequence Data Resource (MSeqDR): A global grass-roots consortium to facilitate deposition, curation, annotation, and integrated analysis of genomic data for the mitochondrial disease clinical and research communities. Molecular Genetics and Metabolism, 2015, 114, 388-396.	0.5	76
93	Mitochondrial energy deficiency leads to hyperproliferation of skeletal muscle mitochondria and enhanced insulin sensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2705-2710.	3.3	73
94	Clinical, genetic, and biochemical characterization of a Leber hereditary optic neuropathy family containing both the 11778 and 14484 primary mutations. American Journal of Medical Genetics Part A, 2001, 104, 331-338.	2.4	71
95	Mitochondrial defects in neurodegenerative disease. Mental Retardation and Developmental Disabilities Research Reviews, 2001, 7, 158-166.	3.5	67
96	The mitochondrial derived peptide humanin is a regulator of lifespan and healthspan. Aging, 2020, 12, 11185-11199.	1.4	67
97	Mitochondrial dysfunction in CA1 hippocampal neurons of the UBE3A deficient mouse model for Angelman syndrome. Neuroscience Letters, 2011, 487, 129-133.	1.0	65
98	Highly efficient 5' capping of mitochondrial RNA with NAD+ and NADH by yeast and human mitochondrial RNA polymerase. ELife, 2018, 7, .	2.8	64
99	Production of transmitochondrial mouse cell lines by cybrid rescue of rhodamine-6G pre-treated L-cells. Somatic Cell and Molecular Genetics, 1996, 22, 81-85.	0.7	63
100	Mitochondrial deficits in human iPSC-derived neurons from patients with 22q11.2 deletion syndrome and schizophrenia. Translational Psychiatry, 2019, 9, 302.	2.4	62
101	Targeting ACLY sensitizes castration-resistant prostate cancer cells to AR antagonism by impinging on an ACLY-AMPK-AR feedback mechanism. Oncotarget, 2016, 7, 43713-43730.	0.8	62
102	Genetic analysis of <scp>dTSPO</scp>, an outer mitochondrial membrane protein, reveals its functions in apoptosis, longevity, and Aî²42â€induced neurodegeneration. Aging Cell, 2014, 13, 507-518.	3.0	60
103	Bioenergetics and the epigenome: Interface between the environment and genes in common diseases. Developmental Disabilities Research Reviews, 2010, 16, 114-119.	2.9	57
104	Association Between Mitochondrial DNA Haplogroup Variation and Autism Spectrum Disorders. JAMA Psychiatry, 2017, 74, 1161.	6.0	57
105	The Pediatric Cell Atlas: Defining the Growth Phase of Human Development at Single-Cell Resolution. Developmental Cell, 2019, 49, 10-29.	3.1	57
106	Phy-Mer: a novel alignment-free and reference-independent mitochondrial haplogroup classifier. Bioinformatics, 2015, 31, 1310-1312.	1.8	55
107	Deleterious variants in TRAK1 disrupt mitochondrial movement and cause fatal encephalopathy. Brain, 2017, 140, 568-581.	3.7	53
108	Mitochondrial DNA Variation Dictates Expressivity and Progression of Nuclear DNA Mutations Causing Cardiomyopathy. Cell Metabolism, 2019, 29, 78-90.e5.	7.2	53

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109	Mitochondrial DNA variants can mediate methylation status of inflammation, angiogenesis and signaling genes. Human Molecular Genetics, 2015, 24, 4491-4503.	1.4	52
110	Role of miR-2392 in driving SARS-CoV-2 infection. Cell Reports, 2021, 37, 109839.	2.9	52
111	Adenine Nucleotide Translocase 1 Deficiency Results in Dilated Cardiomyopathy With Defects in Myocardial Mechanics, Histopathological Alterations, and Activation of Apoptosis. JACC: Cardiovascular Imaging, 2011, 4, 1-10.	2.3	51
112	Differential Mitochondrial Requirements for Radially and Non-radially Migrating Cortical Neurons: Implications for Mitochondrial Disorders. Cell Reports, 2016, 15, 229-237.	2.9	51
113	Mitochondrial DNA Mutations in Epilepsy and Neurological Disease. Epilepsia, 1994, 35, S43-50.	2.6	49
114	Mitochondrial and ion channel gene alterations in autism. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1796-1802.	0.5	47
115	Leber Hereditary Optic Neuropathy: Exemplar of an mtDNA Disease. Handbook of Experimental Pharmacology, 2017, 240, 339-376.	0.9	46
116	USMG5 Ashkenazi Jewish founder mutation impairs mitochondrial complex V dimerization and ATP synthesis. Human Molecular Genetics, 2018, 27, 3305-3312.	1.4	45
117	An Inherited Heteroplasmic Mutation in Mitochondrial Gene COI in a Patient with Prostate Cancer Alters Reactive Oxygen, Reactive Nitrogen and Proliferation. BioMed Research International, 2013, 2013, 1-10.	0.9	43
118	A novel inborn error of the coenzyme Q10 biosynthesis pathway: cerebellar ataxia and static encephalomyopathy due to COQ5 Câ€methyltransferase deficiency. Human Mutation, 2018, 39, 69-79.	1.1	43
119	Mitochondrial DNA Diversity in Southeast Asian Populations. Human Biology, 2002, 74, 431-452.	0.4	42
120	The epigenome and the mitochondrion: bioenergetics and the environment. Genes and Development, 2010, 24, 1571-1573.	2.7	42
121	MSeqDR: A Centralized Knowledge Repository and Bioinformatics Web Resource to Facilitate Genomic Investigations in Mitochondrial Disease. Human Mutation, 2016, 37, 540-548.	1.1	42
122	HDAC10 deletion promotes Foxp3+ T-regulatory cell function. Scientific Reports, 2020, 10, 424.	1.6	42
123	Peripheral Blood Mitochondrial DNA as a Biomarker of Cerebral Mitochondrial Dysfunction following Traumatic Brain Injury in a Porcine Model. PLoS ONE, 2015, 10, e0130927.	1.1	38
124	Loss of Drosophila FMRP leads to alterations in energy metabolism and mitochondrial function. Human Molecular Genetics, 2018, 27, 95-106.	1.4	36
125	Homozygous boricua TBCK mutation causes neurodegeneration and aberrant autophagy. Annals of Neurology, 2018, 83, 153-165.	2.8	32
126	MSeqDR mvTool: A mitochondrial DNA Web and API resource for comprehensive variant annotation, universal nomenclature collation, and reference genome conversion. Human Mutation, 2018, 39, 806-810.	1.1	32

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127	Mitochondrial Nuclear Retrograde Regulator 1 (MNRR1) rescues the cellular phenotype of MELAS by inducing homeostatic mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32056-32065.	3.3	31
128	Human Retinal Transmitochondrial Cybrids with J or H mtDNA Haplogroups Respond Differently to Ultraviolet Radiation: Implications for Retinal Diseases. PLoS ONE, 2014, 9, e99003.	1.1	30
129	A Mitochondrial Etiology of Neuropsychiatric Disorders. JAMA Psychiatry, 2017, 74, 863.	6.0	30
130	MITOCHIP assessment of differential gene expression in the skeletal muscle of Ant1 knockout mice: Coordinate regulation of OXPHOS, antioxidant, and apoptotic genes. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 666-675.	0.5	28
131	Conformational mutations in human mitochondrial DNA. Nature, 1987, 329, 270-272.	13.7	27
132	African, Native American, and European mitochondrial DNAs in Cubans from Pinar del Rio Province and implications for the recent epidemic neuropathy in Cuba. Human Mutation, 1995, 5, 310-317.	1.1	25
133	Deficiency in the mouse mitochondrial adenine nucleotide translocator isoform 2 gene is associated with cardiac noncompaction. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1203-1212.	0.5	25
134	Association of Mitochondrial Biogenesis With Variable Penetrance of Schizophrenia. JAMA Psychiatry, 2021, 78, 911.	6.0	25
135	Mitochondrial DNA Mutations Associated with Neuromuscular Diseases: Analysis and Diagnosis Using the Polymerase Chain Reaction. Pediatric Research, 1990, 28, 525-528.	1.1	24
136	Mitochondrial DNA associations with East Asian metabolic syndrome. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 878-892.	0.5	22
137	Fast capillary electrophoresis-laser induced fluorescence analysis of ligase chain reaction products: Human mitochondrial DNA point mutations causing Leber's hereditary optic neuropathy. Electrophoresis, 1996, 17, 1875-1883.	1.3	21
138	An mtDNA mutant mouse demonstrates that mitochondrial deficiency can result in autism endophenotypes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	21
139	Mitochondrial DNA Variation and Disease Susceptibility in Primary Open-Angle Glaucoma. , 2018, 59, 4598.		20
140	BKCa (Slo) Channel Regulates Mitochondrial Function and Lifespan in Drosophila melanogaster. Cells, 2019, 8, 945.	1.8	19
141	Genome-wide surveillance of transcription errors in response to genotoxic stress. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	19
142	Cristae remodeling causes acidification detected by integrated graphene sensor during mitochondrial outer membrane permeabilization. Scientific Reports, 2016, 6, 35907.	1.6	18
143	Mitochondrial respiration is sensitive to cytoarchitectural breakdown. Integrative Biology (United) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	17
144	TSPO, a Mitochondrial Outer Membrane Protein, Controls Ethanol-Related Behaviors in Drosophila. PLoS Genetics, 2015, 11, e1005366.	1.5	17

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145	Metabolic and Growth Rate Alterations in Lymphoblastic Cell Lines Discriminate Between Down Syndrome and Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 55, 737-748.	1.2	16
146	Scanning Microwave Microscopy of Vital Mitochondria in Respiration Buffer. , 2018, 2018, 115-118.		15
147	The phenotype modifier: is the mitochondrial DNA background responsible for individual differences in disease severity. Journal of Inherited Metabolic Disease, 2019, 42, 3-4.	1.7	15
148	MitoScape: A big-data, machine-learning platform for obtaining mitochondrial DNA from next-generation sequencing data. PLoS Computational Biology, 2021, 17, e1009594.	1.5	11
149	The association of mitochondrial DNA haplogroups with POAG in African Americans. Experimental Eye Research, 2019, 181, 85-89.	1.2	10
150	Resistive flow sensing of vital mitochondria with nanoelectrodes. Mitochondrion, 2017, 37, 8-16.	1.6	9
151	Comparison of male chimeric mice generated from microinjection of JM8.N4 embryonic stem cells into C57BL/6J and C57BL/6NTac blastocysts. Transgenic Research, 2012, 21, 1149-1158.	1.3	8
152	Mitochondrial DNA 3243A>G heteroplasmy is associated with changes in cytoskeletal protein expression and cell mechanics. Journal of the Royal Society Interface, 2017, 14, 20170071.	1.5	7
153	Premature Lambs Exhibit Normal Mitochondrial Respiration after Long-Term Extrauterine Support. Fetal Diagnosis and Therapy, 2019, 46, 306-312.	0.6	7
154	A Three-Dimensional Printed Inertial Microfluidic Platform for Isolation of Minute Quantities of Vital Mitochondria. Analytical Chemistry, 2022, 94, 6930-6938.	3.2	7
155	NADH Fluorescence Lifetime Imaging Microscopy Reveals Selective Mitochondrial Dysfunction in Neurons Overexpressing Alzheimerâ€™s Diseaseâ€“Related Proteins. Frontiers in Molecular Biosciences, 2021, 8, 671274.	1.6	6
156	Advanced approach for comprehensive mtDNA genome testing in mitochondrial disease. Molecular Genetics and Metabolism, 2022, 135, 93-101.	0.5	5
157	Unlocking the Complexity of Mitochondrial DNA: A Key to Understanding Neurodegenerative Disease Caused by Injury. Cells, 2021, 10, 3460.	1.8	5
158	High throughput gene complementation screening permits identification of a mammalian mitochondrial protein synthesis (Ï•â^') mutant. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1336-1343.	0.5	3
159	Mitochondrial DNA sequence analysis of four Alzheimer's and Parkinson's disease patients. , 1996, 61, 283.		3
160	Mitochondrial mutations alter endurance exercise response and determinants in mice. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2200549119.	3.3	3
161	Mitochondrial Diseases in Men and Mice. Genetics in Medicine, 2000, 2, 6-6.	1.1	2
162	Mitochondrial Genes in Degenerative Disease and Aging. Scientific World Journal, The, 2001, 1, 83-0.	0.8	2

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163	Mitochondrial Etiology of Psychiatric Disordersâ€"Reply. JAMA Psychiatry, 2018, 75, 527.	6.0	2
164	Mitochondrial Biology and Medicine. , 2019, , 267-322.		2
165	An ultra-high bandwidth nano-electronic interface to the interior of living cells with integrated fluorescence readout of metabolic activity. Scientific Reports, 2020, 10, 10756.	1.6	2
166	CRISPR-Free Mitochondrial DNA Base Editing. CRISPR Journal, 2020, 3, 228-230.	1.4	1
167	Bioinformatics resources, databases, and tools for human mtDNA. , 2020, , 277-304.		0
168	A Mitochondrial Paradigm for Metabolic and Degenerative Diseases, Aging, and Cancer. FASEB Journal, 2008, 22, 249.2.	0.2	0
169	Mitochondrial Physiology in Health and Disease: Changes with Aging.. Blood, 2009, 114, SCI-1-SCI-1.	0.6	0
170	A mitochondrial etiology of metabolic and degenerative diseases, cancer and aging (94.1). FASEB Journal, 2014, 28, 94.1.	0.2	0
171	A mitochondrial bioenergetic hypothesis for autism spectrum disorder (570.3). FASEB Journal, 2014, 28, 570.3.	0.2	0