David C Samuels

List of Publications by Year
in descending order

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210 papers	10,147 citations	38720 50 h-index	42364 92 g-index
216 all docs	216 docs citations	216 times ranked	11574 citing authors

#	Article	IF	Citations
1	Plasma Arginine and Citrulline are Elevated in Diabetic Retinopathy. American Journal of Ophthalmology, 2022, 235, 154-162.	1.7	16
2	Is it time to reassess variant annotation?. Trends in Genetics, 2022, 38, 521-523.	2.9	5
3	Fate or coincidence: do COPD and major depression share genetic risk factors?. Human Molecular Genetics, 2021, 30, 619-628.	1.4	5
4	Mitochondrial DNA haplogroups and domain-specific neurocognitive performance in adults with HIV. Journal of NeuroVirology, 2021, 27, 557-567.	1.0	2
5	Higher CSF Ferritin Heavy-Chain (Fth1) and Transferrin Predict Better Neurocognitive Performance in People with HIV. Molecular Neurobiology, 2021, 58, 4842-4855.	1.9	2
6	LYSMD3: A mammalian pattern recognition receptor for chitin. Cell Reports, 2021, 36, 109392.	2.9	19
7	Targeting diacylglycerol lipase reduces alcohol consumption in preclinical models. Journal of Clinical Investigation, 2021, 131, .	3.9	13
8	EditPredict: Prediction of RNA editable sites with convolutional neural network. Genomics, 2021, 113, 3864-3871.	1.3	6
9	Mitochondrial DNA haplogroups and weight gain following switch to integrase strand transfer inhibitor-based antiretroviral therapy. Aids, 2021, 35, 439-445.	1.0	11
10	Two data-driven approaches to identifying the spectrum of problematic opioid use: A pilot study within a chronic pain cohort. International Journal of Medical Informatics, 2021, 156, 104621.	1.6	11
11	Cancer-specific expression quantitative loci are affected by expression dysregulation. Briefings in Bioinformatics, 2020, 21, 338-347.	3.2	4
12	MutEx: a multifaceted gateway for exploring integrative pan-cancer genomic data. Briefings in Bioinformatics, 2020, 21, 1479-1486.	3.2	12
13	Mitochondrial DNA Haplogroups and Frailty in Adults Living with HIV. AIDS Research and Human Retroviruses, 2020, 36, 214-219.	0.5	6
14	Alternative Applications of Genotyping Array Data Using Multivariant Methods. Trends in Genetics, 2020, 36, 857-867.	2.9	7
15	Mitochondria and Human Immunodeficiency Virus: A Troubled Relationship Enters Its Fourth Decade. Clinical Infectious Diseases, 2020, 73, e474-e476.	2.9	1
16	Nucleic acid oxidation is associated with biomarkers of neurodegeneration in CSF in people with HIV. Neurology: Neuroimmunology and NeuroInflammation, 2020, 7, .	3.1	6
17	Global Autozygosity Is Associated with Cancer Risk, Mutational Signature and Prognosis. Cancers, 2020, 12, 3646.	1.7	1
18	Non-canonical RNA-DNA differences and other human genomic features are enriched within very short tandem repeats. PLoS Computational Biology, 2020, 16, e1007968.	1.5	4

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19	African Mitochondrial DNA Haplogroup L2 Is Associated With Slower Decline of Î²-cell Function and Lower Incidence of Diabetes Mellitus in Non-Hispanic, Black Women Living With Human Immunodeficiency Virus. Clinical Infectious Diseases, 2020, 71, e218-e225.	2.9	5
20	Title is missing!. , 2020, 16, e1007968.		0
21	Title is missing!. , 2020, 16, e1007968.		0
22	Title is missing!. , 2020, 16, e1007968.		0
23	Title is missing!. , 2020, 16, e1007968.		0
24	Title is missing!. , 2020, 16, e1007968.		0
25	Title is missing!. , 2020, 16, e1007968.		0
26	Quality and concordance of genotyping array data of 12,064 samples from 5840 cancer patients. Genomics, 2019, 111, 950-957.	1.3	7
27	Nuclear-Mitochondrial interactions influence susceptibility to HIV-associated neurocognitive impairment. Mitochondrion, 2019, 46, 247-255.	1.6	5
28	Architectures and accuracy of artificial neural network for disease classification from omics data. BMC Genomics, 2019, 20, 167.	1.2	58
29	Genomic Positional Dissection of RNA Editomes in Tumor and Normal Samples. Frontiers in Genetics, 2019, 10, 211.	1.1	19
30	Identification of serum metabolites associating with chronic kidney disease progression and anti-fibrotic effect of 5-methoxytryptophan. Nature Communications, 2019, 10, 1476.	5.8	171
31	Relationships Between Adipose Mitochondrial Function, Serum Adiponectin, and Insulin Resistance in Persons With HIV After 96 Weeks of Antiretroviral Therapy. Journal of Acquired Immune Deficiency Syndromes (1999), 2019, 80, 358-366.	0.9	7
32	Mitochondrial DNA Haplogroups and Delirium During Sepsis. Critical Care Medicine, 2019, 47, 1065-1071.	0.4	14
33	Peripheral Blood Mitochondrial DNA Copy Number Obtained From Genome-Wide Genotype Data Is Associated With Neurocognitive Impairment in Persons With Chronic HIV Infection. Journal of Acquired Immune Deficiency Syndromes (1999), 2019, 80, e95-e102.	0.9	16
34	Cerebrospinal Fluid Ceruloplasmin, Haptoglobin, and Vascular Endothelial Growth Factor Are Associated with Neurocognitive Impairment in Adults with HIV Infection. Molecular Neurobiology, 2019, 56, 3808-3818.	1.9	26
35	Single-nucleotide variants in human RNA: RNA editing and beyond. Briefings in Functional Genomics, 2019, 18, 30-39.	1.3	17
36	Genomic and transcriptomic characterization of the mitochondrial-rich oncocytic phenotype on a thyroid carcinoma background. Mitochondrion, 2019, 46, 123-133.	1.6	10

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37	The Role of Mitochondrial DNA Variation in Age-Related Decline in Gait Speed Among Older Men Living With Human Immunodeficiency Virus. Clinical Infectious Diseases, 2018, 67, 778-784.	2.9	9
38	Power and sample size calculations for high-throughput sequencing-based experiments. Briefings in Bioinformatics, 2018, 19, 1247-1255.	3.2	32
39	Strategies for processing and quality control of Illumina genotyping arrays. Briefings in Bioinformatics, 2018, 19, 765-775.	3.2	57
40	Tri-allelic heteroplasmies, DNA-RNA differences and their polynucleotide tract associations in the mitochondrial genome. Genomics, 2018, 110, 211-220.	1.3	2
41	Bi-stream CNN Down Syndrome screening model based on genotyping array. BMC Medical Genomics, 2018, 11, 105.	0.7	4
42	Mutation-specific effects in germline transmission of pathogenic mtDNA variants. Human Reproduction, 2018, 33, 1331-1341.	0.4	36
43	Relation of Body Mass Index to Symptom Burden in Patients withAtrial Fibrillation. American Journal of Cardiology, 2018, 122, 235-241.	0.7	8
44	Hemochromatosis (HFE) Gene Variants Are Associated with Increased Mitochondrial DNA Levels During HIV-1 Infection and Antiretroviral Therapy. AIDS Research and Human Retroviruses, 2018, 34, 942-949.	0.5	4
45	Multi-perspective quality control of Illumina RNA sequencing data analysis. Briefings in Functional Genomics, 2017, 16, elw035.	1.3	68
46	Improvements and impacts of GRCh38 human reference on high throughput sequencing data analysis. Genomics, 2017, 109, 83-90.	1.3	123
47	StrandScript: evaluation of Illumina genotyping array design and strand correction. Bioinformatics, 2017, 33, 2399-2401.	1.8	15
48	Genomeâ€wide association study of HIVâ€associated neurocognitive disorder (HAND): A CHARTER group study. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2017, 174, 413-426.	1.1	26
49	STRATEGIES FOR EQUITABLE PHARMACOGENOMIC-GUIDED WARFARIN DOSING AMONG EUROPEAN AND AFRICAN AMERICAN INDIVIDUALS IN A CLINICAL POPULATION. , 2017, 22, 545-556.		6
50	Estimating relative mitochondrial DNA copy number using high throughput sequencing data. Genomics, 2017, 109, 457-462.	1.3	16
51	Cerebrospinal fluid (CSF) biomarkers of iron status are associated with CSF viral load, antiretroviral therapy, and demographic factors in HIV-infected adults. Fluids and Barriers of the CNS, 2017, 14, 11.	2.4	21
52	Down syndrome prediction/screening model based on deep learning and illumina genotyping array. , 2017, , .		4
53	Current Research on Non-Coding Ribonucleic Acid (RNA). Genes, 2017, 8, 366.	1.0	54
54	Mitochondrial Haplogroups Affect Severity But Not Prevalence of Diabetic Retinopathy. , 2017, 58, 1346.		25

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55	Mitochondrial Haplogroups Modify the Effect of Diabetes Duration and HbA_{1c} on Proliferative Diabetic Retinopathy Risk in Patients With Type 2 Diabetes. , 2017, 58, 6481.		7
56	The discrepancy among single nucleotide variants detected by DNA and RNA high throughput sequencing data. BMC Genomics, 2017, 18, 690.	1.2	30
57	OSBPL10, RXRA and lipid metabolism confer African-ancestry protection against dengue haemorrhagic fever in admixed Cubans. PLoS Pathogens, 2017, 13, e1006220.	2.1	51
58	Homeostatic Responses Regulate Selfish Mitochondrial Genome Dynamics in C.Âelegans. Cell Metabolism, 2016, 24, 91-103.	7.2	143
59	Mitochondrial Haplogroups as a Risk Factor for Herpes Zoster. Open Forum Infectious Diseases, 2016, 3, ofw184.	0.4	6
60	Practicability of mitochondrial heteroplasmy detection through an Illumina genotyping array. Mitochondrion, 2016, 31, 75-78.	1.6	3
61	Heterozygosity Ratio, a Robust Global Genomic Measure of Autozygosity and Its Association with Height and Disease Risk. Genetics, 2016, 204, 893-904.	1.2	33
62	Mitochondria single nucleotide variation across six blood cell types. Mitochondrion, 2016, 28, 16-22.	1.6	8
63	Mitochondrial DNA sequence characteristics modulate the size of the genetic bottleneck. Human Molecular Genetics, 2016, 25, 1031-1041.	1.4	53
64	Mitochondria sequence mapping strategies and practicability of mitochondria variant detection from exome and RNA sequencing data. Briefings in Bioinformatics, 2016, 17, 224-232.	3.2	29
65	European Mitochondrial DNA Haplogroups are Associated with Cerebrospinal Fluid Biomarkers of Inflammation in HIV Infection. Pathogens and Immunity, 2016, 1, 330.	1.4	7
66	Randomness in the hybrid modeling and simulation of insulin secretion pathways in pancreatic islets. Tsinghua Science and Technology, 2015, 20, 441-452.	4.1	0
67	Fine Time Scaling of Purifying Selection on Human Nonsynonymous mtDNA Mutations Based on the Worldwide Population Tree and Mother-Child Pairs. Human Mutation, 2015, 36, 1100-1111.	1.1	11
68	Population structure analysis on 2504 individuals across 26 ancestries using bioinformatics approaches. BMC Bioinformatics, 2015, 16, P19.	1.2	2
69	Practicality of identifying mitochondria variants from exome and RNAseq data. BMC Bioinformatics, 2015, 16, P6.	1.2	3
70	RNAseq by Total RNA Library Identifies Additional RNAs Compared to Poly(A) RNA Library. BioMed Research International, 2015, 2015, 1-9.	0.9	34
71	Mitochondrial DNA Haplogroups and Neurocognitive Impairment During HIV Infection. Clinical Infectious Diseases, 2015, 61, 1476-1484.	2.9	27
72	Genome measures used for quality control are dependent on gene function and ancestry. Bioinformatics, 2015, 31, 318-323.	1.8	134

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73	Alternative applications for distinct RNA sequencing strategies. Briefings in Bioinformatics, 2015, 16, 629-639.	3.2	35
74	Genetic Variation in Iron Metabolism Is Associated with Neuropathic Pain and Pain Severity in HIV-Infected Patients on Antiretroviral Therapy. PLoS ONE, 2014, 9, e103123.	1.1	29
75	Mitochondrial Haplogroups Are Associated With Severity of Diabetic Retinopathy. , 2014, 55, 5589.		27
76	Epidermal nerve fiber density, oxidative stress, and mitochondrial haplogroups in HIV-infected Thais initiating therapy. Aids, 2014, 28, 1625-1633.	1.0	6
77	Mitochondrial DNA Rearrangements in Health and Disease-A Comprehensive Study. Human Mutation, 2014, 35, 1-14.	1.1	67
78	Multi-perspective quality control of Illumina exome sequencing data using QC3. Genomics, 2014, 103, 323-328.	1.3	79
79	High Proportion of Heteroresistance in gyrA and gyrB in Fluoroquinolone-Resistant Mycobacterium tuberculosis Clinical Isolates. Antimicrobial Agents and Chemotherapy, 2014, 58, 3270-3275.	1.4	58
80	Three-stage quality control strategies for DNA re-sequencing data. Briefings in Bioinformatics, 2014, 15, 879-889.	3.2	141
81	Illumina human exome genotyping array clustering and quality control. Nature Protocols, 2014, 9, 2643-2662.	5.5	153
82	High-throughput sequencing in mitochondrial DNA research. Mitochondrion, 2014, 17, 157-163.	1.6	71
83	Data from Artificial Models of Mitochondrial DNA Disorders Are Not Always Applicable to Humans. Cell Reports, 2014, 7, 933-934.	2.9	23
84	Global human frequencies of predicted nuclear pathogenic variants and the role played by protein hydrophobicity in pathogenicity potential. Scientific Reports, 2014, 4, 7155.	1.6	8
85	Finding the lost treasures in exome sequencing data. Trends in Genetics, 2013, 29, 593-599.	2.9	124
86	Universal heteroplasmy of human mitochondrial DNA. Human Molecular Genetics, 2013, 22, 384-390.	1.4	344
87	The effect of unhealthy Î²-cells on insulin secretion in pancreatic islets. BMC Medical Genomics, 2013, 6, S6.	0.7	2
88	Preventing the transmission of pathogenic mitochondrial DNA mutations: can we achieve long-term benefits from germ-line gene transfer?. Human Reproduction, 2013, 28, 554-559.	0.4	31
89	Comparative Study of Exome Copy Number Variation Estimation Tools Using Array Comparative Genomic Hybridization as Control. BioMed Research International, 2013, 2013, 1-7.	0.9	47
90	Recurrent Tissue-Specific mtDNA Mutations Are Common in Humans. PLoS Genetics, 2013, 9, e1003929.	1.5	130

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91	MitoSeek: extracting mitochondria information and performing high-throughput mitochondria sequencing analysis. Bioinformatics, 2013, 29, 1210-1211.	1.8	87
92	Mutation dependance of the mitochondrial DNA copy number in the first stages of human embryogenesis. Human Molecular Genetics, 2013, 22, 1867-1872.	1.4	72
93	Mitochondrial Genomics and Antiretroviral Therapy-Associated Metabolic Complications in HIV-Infected Black South Africans: A Pilot Study. AIDS Research and Human Retroviruses, 2013, 29, 1031-1039.	0.5	17
94	No evidence of an association between mitochondrial DNA variants and osteoarthritis in 7393 cases and 5122 controls. Annals of the Rheumatic Diseases, 2013, 72, 136-139.	0.5	39
95	Evaluation of Allele Frequency Estimation Using Pooled Sequencing Data Simulation. Scientific World Journal, The, 2013, 2013, 1-9.	0.8	16
96	Evaluating Purifying Selection in the Mitochondrial DNA of Various Mammalian Species. PLoS ONE, 2013, 8, e58993.	1.1	39
97	Large Scale Comparison of Gene Expression Levels by Microarrays and RNAseq Using TCGA Data. PLoS ONE, 2013, 8, e71462.	1.1	189
98	The other genome: a systematic review of studies of mitochondrial DNA haplogroups and outcomes of HIV infection and antiretroviral therapy. AIDS Reviews, 2013, 15, 213-20.	0.5	21
99	Mitochondrial DNA deletions are associated with non-B DNA conformations. Nucleic Acids Research, 2012, 40, 7606-7621.	6.5	64
100	What is influencing the phenotype of the common homozygous polymerase-Î³ mutation p.Ala467Thr?. Brain, 2012, 135, 3614-3626.	3.7	46
101	Adult-onset spinocerebellar ataxia syndromes due toMTATP6mutations. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 883-886.	0.9	42
102	Risk Factors for Symptomatic Hyperlactatemia and Lactic Acidosis Among Combination Antiretroviral Therapy-Treated Adults in Botswana: Results from a Clinical Trial. AIDS Research and Human Retroviruses, 2012, 28, 759-765.	0.5	15
103	The effect of unhealthy β-cells in synchronized insulin secretion. , 2012, , .		0
104	Variation in germline mtDNA heteroplasmy is determined prenatally but modified during subsequent transmission. Nature Genetics, 2012, 44, 1282-1285.	9.4	128
105	Mitochondrial DNA variation and HIV-associated sensory neuropathy in CHARTER. Journal of NeuroVirology, 2012, 18, 511-520.	1.0	24
106	Correlated Tissue Expression of Genes of Cytoplasmic and Mitochondrial Nucleotide Metabolisms in Normal Tissues is Disrupted in Transformed Tissues. Nucleosides, Nucleotides and Nucleic Acids, 2012, 31, 112-129.	0.4	5
107	Epigenetics, epidemiology and mitochondrial DNA diseases. International Journal of Epidemiology, 2012, 41, 177-187.	0.9	146
108	Unique mitochondrial DNA in highly inbred feral cattle. Mitochondrion, 2012, 12, 438-440.	1.6	6

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109	The use of next generation sequencing technology to study the effect of radiation therapy on mitochondrial DNA mutation. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 744, 154-160.	0.9	49
110	The effect of strand bias in Illumina short-read sequencing data. BMC Genomics, 2012, 13, 666.	1.2	102
111	Somatic mitochondrial DNA mutations in cancer escape purifying selection and high pathogenicity mutations lead to the oncocytic phenotype: pathogenicity analysis of reported somatic mtDNA mutations in tumors. BMC Cancer, 2012, 12, 53.	1.1	75
112	T Cell Activation Markers and African Mitochondrial DNA Haplogroups among Non-Hispanic Black Participants in AIDS Clinical Trials Group Study 384. PLoS ONE, 2012, 7, e43803.	1.1	7
113	Non-Random mtDNA Segregation Patterns Indicate a Metastable Heteroplasmic Segregation Unit in m.3243A>G Cybrid Cells. PLoS ONE, 2012, 7, e52080.	1.1	21
114	Common mtDNA Polymorphisms and Neurodegenerative Disorders. , 2012, , 63-78.		0
115	Mitochondrial aging is accelerated by anti-retroviral therapy through the clonal expansion of mtDNA mutations. Nature Genetics, 2011, 43, 806-810.	9.4	201
116	POLG mutations cause decreased mitochondrial DNA repopulation rates following induced depletion in human fibroblasts. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 321-325.	1.8	33
117	Mitochondrial Genomics and CD4 T-Cell Count Recovery After Antiretroviral Therapy Initiation in AIDS Clinical Trials Group Study 384. Journal of Acquired Immune Deficiency Syndromes (1999), 2011, 58, 363-370.	0.9	19
118	A Review Comparing Deoxyribonucleoside Triphosphate (dNTP) Concentrations in the Mitochondrial and Cytoplasmic Compartments of Normal and Transformed Cells. Nucleosides, Nucleotides and Nucleic Acids, 2011, 30, 317-339.	0.4	44
119	Comparing Phylogeny and the Predicted Pathogenicity of Protein Variations Reveals Equal Purifying Selection across the Global Human mtDNA Diversity. American Journal of Human Genetics, 2011, 88, 433-439.	2.6	103
120	Poor Correlations in the Levels of Pathogenic Mitochondrial DNA Mutations in Polar Bodies versus Oocytes and Blastomeres in Humans. American Journal of Human Genetics, 2011, 88, 494-498.	2.6	34
121	Segregation of mtDNA throughout human embryofetal development: m.3243A>G as a model system. Human Mutation, 2011, 32, 116-125.	1.1	103
122	The Bcl-2-associated death promoter (BAD) lowers the threshold at which the Bcl-2-interacting domain death agonist (BID) triggers mitochondria disintegration. Journal of Theoretical Biology, 2011, 271, 114-123.	0.8	30
123	Enzyme Kinetics of the Mitochondrial Deoxyribonucleoside Salvage Pathway Are Not Sufficient to Support Rapid mtDNA Replication. PLoS Computational Biology, 2011, 7, e1002078.	1.5	11
124	Replication Pauses of the Wild-Type and Mutant Mitochondrial DNA Polymerase Gamma: A Simulation Study. PLoS Computational Biology, 2011, 7, e1002287.	1.5	3
125	Previous Estimates of Mitochondrial DNA Mutation Level Variance Did Not Account for Sampling Error: Comparing the mtDNA Genetic Bottleneck in Mice and Humans. American Journal of Human Genetics, 2010, 86, 540-550.	2.6	37
126	Reply to Lee and Sawcer. Trends in Genetics, 2010, 26, 242-243.	2.9	4

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127	Reassessing evidence for a postnatal mitochondrial genetic bottleneck. Nature Genetics, 2010, 42, 471-472.	9.4	30
128	OPA1 mutations cause cytochrome c oxidase deficiency due to loss of wild-type mtDNA molecules. Human Molecular Genetics, 2010, 19, 3043-3052.	1.4	95
129	Information for genetic management of mtDNA disease: sampling pathogenic mtDNA mutants in the human germline and in placenta. Journal of Medical Genetics, 2010, 47, 257-261.	1.5	36
130	Analysis of enzyme kinetic data for mtDNA replication. Methods, 2010, 51, 385-391.	1.9	1
131	Hybrid Modeling and Simulation of Insulin Secretion Pathway in Pancreatic Islets. , 2010, , .		0
132	Chapter 5 Discrete Stochastic Simulation Methods for Chemically Reacting Systems. Methods in Enzymology, 2009, 454, 115-140.	0.4	19
133	An Analysis of Enzyme Kinetics Data for Mitochondrial DNA Strand Termination by Nucleoside Reverse Transcription Inhibitors. PLoS Computational Biology, 2009, 5, e1000261.	1.5	11
134	Detecting new neurodegenerative disease genes: does phenotype accuracy limit the horizon?. Trends in Genetics, 2009, 25, 486-488.	2.9	17
135	The mitochondrial genome sequence and molecular phylogeny of the turkey, Meleagris gallopavo. Animal Genetics, 2009, 40, 134-141.	0.6	24
136	The Diversity Present in 5140 Human Mitochondrial Genomes. American Journal of Human Genetics, 2009, 84, 628-640.	2.6	114
137	Response to Yao etÂal.. American Journal of Human Genetics, 2009, 85, 933.	2.6	2
138	Selection against Pathogenic mtDNA Mutations in a Stem Cell Population Leads to the Loss of the 3243Aâ†'G Mutation in Blood. American Journal of Human Genetics, 2008, 82, 333-343.	2.6	112
139	Pathogenic Mitochondrial DNA Mutations Are Common in the General Population. American Journal of Human Genetics, 2008, 83, 254-260.	2.6	534
140	The Distribution of Mitochondrial DNA Heteroplasmy Due to Random Genetic Drift. American Journal of Human Genetics, 2008, 83, 582-593.	2.6	72
141	A reduction of mitochondrial DNA molecules during embryogenesis explains the rapid segregation of genotypes. Nature Genetics, 2008, 40, 249-254.	9.4	438
142	What causes mitochondrial DNA deletions in human cells?. Nature Genetics, 2008, 40, 275-279.	9.4	334
143	The evidence that the DNC (SLC25A19) is not the mitochondrial deoxyribonucleotide carrier. Mitochondrion, 2008, 8, 103-108.	1.6	34
144	Evidence for Variable Selective Pressures at a Large Secondary Structure of the Human Mitochondrial DNA Control Region. Molecular Biology and Evolution, 2008, 25, 2759-2770.	3.5	47

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145	Normal Levels of Wild-Type Mitochondrial DNA Maintain Cytochrome c Oxidase Activity for Two Pathogenic Mitochondrial DNA Mutations but Not for m.3243Aâ†'G. American Journal of Human Genetics, 2007, 81, 189-195.	2.6	85
146	Computational models of antiviral toxicity. Current Opinion in Drug Discovery & Development, 2007, 10, 43-8.	1.9	0
147	Depletion of mitochondrial DNA in leucocytes harbouring the 3243A->G mtDNA mutation. Journal of Medical Genetics, 2006, 44, 69-74.	1.5	72
148	The Power to Detect Disease Associations with Mitochondrial DNA Haplogroups. American Journal of Human Genetics, 2006, 78, 713-720.	2.6	100
149	Is selection required for the accumulation of somatic mitochondrial DNA mutations in post-mitotic cells?. Neuromuscular Disorders, 2006, 16, 381-386.	0.3	17
150	Mitochondrial AZT metabolism. IUBMB Life, 2006, 58, 403-408.	1.5	18
151	Computational Models of Mitochondrial DNA in Aging. , 2006, , 591-599.		0
152	A computational model of mitochondrial AZT metabolism. Biochemical Journal, 2005, 392, 363-373.	1.7	14
153	Life span is related to the free energy of mitochondrial DNA. Mechanisms of Ageing and Development, 2005, 126, 1123-1129.	2.2	38
154	Mitochondrial-encoded membrane protein transcripts are pyrimidine-rich while soluble protein transcripts and ribosomal RNA are purine-rich. BMC Genomics, 2005, 6, 136.	1.2	5
155	A computational model of mitochondrial deoxynucleotide metabolism and DNA replication. American Journal of Physiology - Cell Physiology, 2005, 288, C989-C1002.	2.1	24
156	Mitochondrial DNA repeats constrain the life span of mammals. Trends in Genetics, 2004, 20, 226-229.	2.9	49
157	Two direct repeats cause most human mtDNA deletions. Trends in Genetics, 2004, 20, 393-398.	2.9	149
158	Scaling Laws of Vortex Reconnections. Journal of Low Temperature Physics, 2004, 136, 281-293.	0.6	28
159	Geometry and Topology of Superfluid Turbulence. Journal of Low Temperature Physics, 2003, 132, 97-117.	0.6	24
160	A Model of the Nuclear Control of Mitochondrial DNA Replication. Journal of Theoretical Biology, 2003, 221, 565-583.	0.8	48
161	A compositional segmentation of the human mitochondrial genome is related to heterogeneities in the guanine mutation rate. Nucleic Acids Research, 2003, 31, 6043-6052.	6.5	19
162	Mitochondrial DNA mutations in human colonic crypt stem cells. Journal of Clinical Investigation, 2003, 112, 1351-1360.	3.9	454

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163	Evaporation of a Packet of Quantized Vorticity. Physical Review Letters, 2002, 89, 155302.	2.9	44
164	Polarization of Superfluid Turbulence. Physical Review Letters, 2002, 89, 275301.	2.9	42
165	Velocity spectra of superfluid turbulence. Europhysics Letters, 2002, 57, 845-851.	0.7	30
166	Accumulation of mitochondrial DNA mutations in ageing, cancer, and mitochondrial disease: is there a common mechanism?. Lancet, The, 2002, 360, 1323-1325.	6.3	203
167	The length of cytochrome c oxidase-negative segments in muscle fibres in patients with mtDNA myopathy. Neuromuscular Disorders, 2002, 12, 858-864.	0.3	20
168	Superfluid Vortex Reconnections. Journal of Low Temperature Physics, 2002, 126, 271-279.	0.6	4
169	Complexity measures of tangled vortex filaments. , 2002, , 69-74.		0
170	Random Genetic Drift Determines the Level of Mutant mtDNA in Human Primary Oocytes. American Journal of Human Genetics, 2001, 68, 533-536.	2.6	147
171	Random Intracellular Drift Explains the Clonal Expansion of Mitochondrial DNA Mutations with Age. American Journal of Human Genetics, 2001, 68, 802-806.	2.6	289
172	Linear stability of laminar plane Poiseuille flow of helium II under a nonuniform mutual friction forcing. Physics of Fluids, 2001, 13, 983-990.	1.6	9
173	How tangled is a tangle?. Physica D: Nonlinear Phenomena, 2001, 157, 197-206.	1.3	58
174	A New Interpretation of Oscillating Flow Experiments in Superfluid Helium II. Journal of Low Temperature Physics, 2001, 125, 69-85.	0.6	1
175	Numerical Methods for Coupled Normal-Fluid and Superfluid Flows in Helium II. , 2001, , 162-176.		5
176	Superfluid vortex reconnections at finite temperature. Europhysics Letters, 2001, 54, 774-778.	0.7	17
177	Kelvin Waves Cascade in Superfluid Turbulence. Physical Review Letters, 2001, 86, 3080-3083.	2.9	138
178	Quantum Signature of Superfluid Turbulence. Physical Review Letters, 2001, 87, 275302.	2.9	17
179	Fractal Dimension of Superfluid Turbulence. Physical Review Letters, 2001, 87, 155301.	2.9	41
180	Sound Emission due to Superfluid Vortex Reconnections. Physical Review Letters, 2001, 86, 1410-1413.	2.9	164

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181	Vortex Filament Methods for Superfluids. , 2001, , 97-113.		11
182	A damping mechanism and length scale for superfluid turbulence. Physica B: Condensed Matter, 2000, 284-288, 71-72.	1.3	1
183	Superfluid turbulence at zero temperature. Physica B: Condensed Matter, 2000, 284-288, 73-74.	1.3	1
184	The inheritance of mitochondrial DNA heteroplasmy: random drift, selection or both?. Trends in Genetics, 2000, 16, 500-505.	2.9	227
185	Can Superfluid Vortex Lines Excite Normal Fluid Turbulence in 4He?. Journal of Low Temperature Physics, 2000, 121, 377-386.	0.6	5
186	Equation for Self-Consistent Superfluid Vortex Line Dynamics. Journal of Low Temperature Physics, 2000, 120, 269-280.	0.6	35
187	Local normal-fluid helium II flow due to mutual friction interaction with the superfluid. Physical Review B, 2000, 62, 3409-3415.	1.1	25
188	Stable superfluid vortex filament structures in laminar boundary layer flow of helium II. Physical Review B, 2000, 61, 4190-4195.	1.1	5
189	Formation and decay of vorticity in coupled helium-II flow. Physical Review B, 2000, 63, .	1.1	1
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