

Lachlan J Coin

List of Publications by Year in descending order

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Version: 2024-02-01

141
papers

50,412
citations

30551

56
h-index

10955

142
g-index

182
all docs

182
docs citations

182
times ranked

82303
citing authors

#	ARTICLE	IF	CITATIONS
1	Positive-unlabeled learning in bioinformatics and computational biology: a brief review. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	26
2	Nanoq: ultra-fast quality control for nanopore reads. <i>Journal of Open Source Software</i> , 2022, 7, 2991.	2.0	18
3	Computational analysis and prediction of PE_PGRS proteins using machine learning. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 662-674.	1.9	12
4	Understanding Detrimental Host Response to Infectionâ€™The Promise of Transcriptomics*. <i>Pediatric Critical Care Medicine</i> , 2022, 23, 133-135.	0.2	1
5	Phylodynamic Inference of Bacterial Outbreak Parameters Using Nanopore Sequencing. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	9
6	Long-Read RNA Sequencing Identifies Polyadenylation Elongation and Differential Transcript Usage of Host Transcripts During SARS-CoV-2 In Vitro Infection. <i>Frontiers in Immunology</i> , 2022, 13, 832223.	2.2	9
7	Evolution and spread of a highly drug resistant strain of <i>Mycobacterium tuberculosis</i> in Papua New Guinea. <i>BMC Infectious Diseases</i> , 2022, 22, 437.	1.3	8
8	Real-time resolution of short-read assembly graph using ONT long reads. <i>PLoS Computational Biology</i> , 2021, 17, e1008586.	1.5	4
9	Identification of Reduced Host Transcriptomic Signatures for Tuberculosis Disease and Digital PCR-Based Validation and Quantification. <i>Frontiers in Immunology</i> , 2021, 12, 637164.	2.2	25
10	New technologies for diagnosing active TB: the VANTDET diagnostic accuracy study. <i>Efficacy and Mechanism Evaluation</i> , 2021, 8, 1-160.	0.9	2
11	Genomic epidemiology of tuberculosis in eastern Malaysia: insights for strengthening public health responses. <i>Microbial Genomics</i> , 2021, 7, .	1.0	4
12	Transcriptional and epi-transcriptional dynamics of SARS-CoV-2 during cellular infection. <i>Cell Reports</i> , 2021, 35, 109108.	2.9	25
13	Optimising Treatment Outcomes for Children and Adults Through Rapid Genome Sequencing of Sepsis Pathogens. A Study Protocol for a Prospective, Multi-Centre Trial (DIRECT). <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 667680.	1.8	10
14	No evidence of SARS-CoV-2 reverse transcription and integration as the origin of chimeric transcripts in patient tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	28
15	Signatures of TSPAN8 variants associated with human metabolic regulation and diseases. <i>IScience</i> , 2021, 24, 102893.	1.9	5
16	Data-driven estimation of COVID-19 community prevalence through wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2021, 789, 147947.	3.9	54
17	Molecular Methods for Pathogenic Bacteria Detection and Recent Advances in Wastewater Analysis. <i>Water (Switzerland)</i> , 2021, 13, 3551.	1.2	18
18	Quantitative trait loci and differential gene expression analyses reveal the genetic basis for negatively associated β -carotene and starch content in hexaploid sweetpotato [<i>Ipomoea batatas</i> (L.) Lam.]. <i>Theoretical and Applied Genetics</i> , 2020, 133, 23-36.	1.8	59

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19	Assembly of whole-chromosome pseudomolecules for polyploid plant genomes using outbred mapping populations. <i>Nature Genetics</i> , 2020, 52, 1256-1264.	9.4	13
20	Nanopore sequencing as a scalable, cost-effective platform for analyzing polyclonal vector integration sites following clinical T cell therapy. , 2020, 8, e000299.		5
21	Whole-exome Sequencing for the Identification of Rare Variants in Primary Immunodeficiency Genes in Children With Sepsis: A Prospective, Population-based Cohort Study. <i>Clinical Infectious Diseases</i> , 2020, 71, e614-e623.	2.9	12
22	Evaluating the genome and resistome of extensively drug-resistant <i>Klebsiella pneumoniae</i> using native DNA and RNA Nanopore sequencing. <i>GigaScience</i> , 2020, 9, .	3.3	22
23	Complete Genome Sequences of Clinical <i>Pandoraea fibrosis</i> Isolates. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	1
24	Comparison of long-read methods for sequencing and assembly of a plant genome. <i>GigaScience</i> , 2020, 9, .	3.3	62
25	Rapid diagnosis of <i>Capnocytophaga canimorsus</i> septic shock in an immunocompetent individual using real-time Nanopore sequencing: a case report. <i>BMC Infectious Diseases</i> , 2019, 19, 660.	1.3	16
26	LobSig is a multigene predictor of outcome in invasive lobular carcinoma. <i>Npj Breast Cancer</i> , 2019, 5, 18.	2.3	28
27	GWAS on longitudinal growth traits reveals different genetic factors influencing infant, child, and adult BMI. <i>Science Advances</i> , 2019, 5, eaaw3095.	4.7	86
28	HLA-C variants associated with amino acid substitutions in the peptide binding groove influence susceptibility to Kawasaki disease. <i>Human Immunology</i> , 2019, 80, 731-738.	1.2	5
29	Modelling pathogen load dynamics to elucidate mechanistic determinants of host- <i>Plasmodium falciparum</i> interactions. <i>Nature Microbiology</i> , 2019, 4, 1592-1602.	5.9	19
30	Identification of regulatory variants associated with genetic susceptibility to meningococcal disease. <i>Scientific Reports</i> , 2019, 9, 6966.	1.6	3
31	The Early Growth Genetics (EGG) and EARly Genetics and Lifecourse Epidemiology (EAGLE) consortia: design, results and future prospects. <i>European Journal of Epidemiology</i> , 2019, 34, 279-300.	2.5	26
32	Cross-Border Movement of Highly Drug-Resistant <i>Mycobacterium tuberculosis</i> from Papua New Guinea to Australia through Torres Strait Protected Zone, 2010-2015. <i>Emerging Infectious Diseases</i> , 2019, 25, 406-415.	2.0	19
33	Phase I Trial of Inducible Caspase 9 T Cells in Adult Stem Cell Transplant Demonstrates Massive Clonotypic Proliferative Potential and Long-term Persistence of Transgenic T Cells. <i>Clinical Cancer Research</i> , 2019, 25, 1749-1755.	3.2	18
34	Genotype-free demultiplexing of pooled single-cell RNA-seq. <i>Genome Biology</i> , 2019, 20, 290.	3.8	55
35	Retooling phage display with electrohydrodynamic nanomixing and nanopore sequencing. <i>Lab on A Chip</i> , 2019, 19, 4083-4092.	3.1	8
36	Plasma lipid profiles discriminate bacterial from viral infection in febrile children. <i>Scientific Reports</i> , 2019, 9, 17714.	1.6	15

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37	Octapeptin C4 and polymyxin resistance occur via distinct pathways in an epidemic XDR Klebsiella pneumoniae ST258 isolate. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 582-593.	1.3	16
38	Chiron: translating nanopore raw signal directly into nucleotide sequence using deep learning. <i>GigaScience</i> , 2018, 7, .	3.3	123
39	Simulating the dynamics of targeted capture sequencing with CapSim. <i>Bioinformatics</i> , 2018, 34, 873-874.	1.8	14
40	Mycobacterium tuberculosis Exploits a Molecular Off Switch of the Immune System for Intracellular Survival. <i>Scientific Reports</i> , 2018, 8, 661.	1.6	33
41	Transcriptomic Studies of Malaria: a Paradigm for Investigation of Systemic Host-Pathogen Interactions. <i>Microbiology and Molecular Biology Reviews</i> , 2018, 82, .	2.9	45
42	Ongoing human chromosome end extension revealed by analysis of BioNano and nanopore data. <i>Scientific Reports</i> , 2018, 8, 16616.	1.6	1
43	Multifactorial chromosomal variants regulate polymyxin resistance in extensively drug-resistant Klebsiella pneumoniae. <i>Microbial Genomics</i> , 2018, 4, .	1.0	39
44	Genome sequences of two diploid wild relatives of cultivated sweetpotato reveal targets for genetic improvement. <i>Nature Communications</i> , 2018, 9, 4580.	5.8	181
45	Triclosan at environmentally relevant concentrations promotes horizontal transfer of multidrug resistance genes within and across bacterial genera. <i>Environment International</i> , 2018, 121, 1217-1226.	4.8	182
46	Life-threatening infections in children in Europe (the EUCLIDS Project): a prospective cohort study. <i>The Lancet Child and Adolescent Health</i> , 2018, 2, 404-414.	2.7	69
47	Integrated pathogen load and dual transcriptome analysis of systemic host-pathogen interactions in severe malaria. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	98
48	Diagnosis of Kawasaki Disease Using a Minimal Whole-Blood Gene Expression Signature. <i>JAMA Pediatrics</i> , 2018, 172, e182293.	3.3	92
49	nplnv: accurate detection and genotyping of inversions using long read sub-alignment. <i>BMC Bioinformatics</i> , 2018, 19, 261.	1.2	29
50	Multi-clonal evolution of multi-drug-resistant/extensively drug-resistant Mycobacterium tuberculosis in a high-prevalence setting of Papua New Guinea for over three decades. <i>Microbial Genomics</i> , 2018, 4, .	1.0	33
51	GtTR: Bayesian estimation of absolute tandem repeat copy number using sequence capture and high throughput sequencing. <i>BMC Bioinformatics</i> , 2018, 19, 267.	1.2	2
52	Non-antibiotic antimicrobial triclosan induces multiple antibiotic resistance through genetic mutation. <i>Environment International</i> , 2018, 118, 257-265.	4.8	131
53	A complete high-quality MinION nanopore assembly of an extensively drug-resistant Mycobacterium tuberculosis Beijing lineage strain identifies novel variation in repetitive PE/PPE gene regions. <i>Microbial Genomics</i> , 2018, 4, .	1.0	35
54	Insights into population structure of East African sweetpotato cultivars from hybrid assembly of chloroplast genomes. <i>Gates Open Research</i> , 2018, 2, 41.	2.0	1

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55	Insights into population structure of East African sweetpotato cultivars from hybrid assembly of chloroplast genomes. <i>Gates Open Research</i> , 2018, 2, 41.	2.0	1
56	Scaffolding and completing genome assemblies in real-time with nanopore sequencing. <i>Nature Communications</i> , 2017, 8, 14515.	5.8	104
57	Diagnosis of Bacterial Infection Using a 2-Transcript Host RNA Signature in Febrile Infants 60 Days or Younger. <i>JAMA - Journal of the American Medical Association</i> , 2017, 317, 1577.	3.8	46
58	Metabolic profiling of polycystic ovary syndrome reveals interactions with abdominal obesity. <i>International Journal of Obesity</i> , 2017, 41, 1331-1340.	1.6	64
59	Real-time demultiplexing Nanopore barcoded sequencing data with npBarcode. <i>Bioinformatics</i> , 2017, 33, 3988-3990.	1.8	6
60	sCNPhase: using haplotype resolved read depth to genotype somatic copy number alterations from low cellularity aneuploid tumors. <i>Nucleic Acids Research</i> , 2017, 45, e34-e34.	6.5	7
61	Childhood tuberculosis is associated with decreased abundance of T cell gene transcripts and impaired T cell function. <i>PLoS ONE</i> , 2017, 12, e0185973.	1.1	15
62	Complete Genome Sequence of <i>Klebsiella quasipneumoniae</i> subsp. <i>similipneumoniae</i> Strain ATCC 700603. <i>Genome Announcements</i> , 2016, 4, .	0.8	44
63	Natural resistance to Meningococcal Disease related to CFH loci: Meta-analysis of genome-wide association studies. <i>Scientific Reports</i> , 2016, 6, 35842.	1.6	33
64	Point Mutations in Exon 1B of APC Reveal Gastric Adenocarcinoma and Proximal Polyposis of the Stomach as a Familial Adenomatous Polyposis Variant. <i>American Journal of Human Genetics</i> , 2016, 98, 830-842.	2.6	201
65	Punctuated bursts in human male demography inferred from 1,244 worldwide Y-chromosome sequences. <i>Nature Genetics</i> , 2016, 48, 593-599.	9.4	273
66	Diagnostic Test Accuracy of a 2-Transcript Host RNA Signature for Discriminating Bacterial vs Viral Infection in Febrile Children. <i>JAMA - Journal of the American Medical Association</i> , 2016, 316, 835.	3.8	263
67	Genetic Variation in the SLC8A1 Calcium Signaling Pathway Is Associated With Susceptibility to Kawasaki Disease and Coronary Artery Abnormalities. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 559-568.	5.1	45
68	Streaming algorithms for identification of pathogens and antibiotic resistance potential from real-time MinIONTM sequencing. <i>GigaScience</i> , 2016, 5, 32.	3.3	79
69	Realtime analysis and visualization of MinION sequencing data with npReader. <i>Bioinformatics</i> , 2016, 32, 764-766.	1.8	25
70	A global reference for human genetic variation. <i>Nature</i> , 2015, 526, 68-74.	13.7	13,998
71	cnvOffSeq: detecting intergenic copy number variation using off-target exome sequencing data. <i>Bioinformatics</i> , 2014, 30, i639-i645.	1.8	13
72	Diagnosis of Childhood Tuberculosis and Host RNA Expression in Africa. <i>New England Journal of Medicine</i> , 2014, 370, 1712-1723.	13.9	324

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73	cnvCapSeq: detecting copy number variation in long-range targeted resequencing data. <i>Nucleic Acids Research</i> , 2014, 42, e158-e158.	6.5	14
74	Genetic variability in the regulation of gene expression in ten regions of the human brain. <i>Nature Neuroscience</i> , 2014, 17, 1418-1428.	7.1	620
75	Effects of Long-Term Averaging of Quantitative Blood Pressure Traits on the Detection of Genetic Associations. <i>American Journal of Human Genetics</i> , 2014, 95, 49-65.	2.6	73
76	Meta-analysis of genome-wide association studies identifies ten loci influencing allergic sensitization. <i>Nature Genetics</i> , 2013, 45, 902-906.	9.4	221
77	The Effect of Genomic Inversions on Estimation of Population Genetic Parameters from SNP Data. <i>Genetics</i> , 2013, 193, 243-253.	1.2	12
78	A new scoring system derived from base excess and platelet count at presentation predicts mortality in paediatric meningococcal sepsis. <i>Critical Care</i> , 2013, 17, R68.	2.5	24
79	YHap: a population model for probabilistic assignment of Y haplogroups from re-sequencing data. <i>BMC Bioinformatics</i> , 2013, 14, 331.	1.2	6
80	Detection of Tuberculosis in HIV-Infected and -Uninfected African Adults Using Whole Blood RNA Expression Signatures: A Case-Control Study. <i>PLoS Medicine</i> , 2013, 10, e1001538.	3.9	314
81	Demographic and motor features associated with the occurrence of neuropsychiatric and sleep complications of Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 883-887.	0.9	25
82	A population model for genotyping indels from next-generation sequence data. <i>Nucleic Acids Research</i> , 2013, 41, e46-e46.	6.5	12
83	Rare Genomic Structural Variants in Complex Disease: Lessons from the Replication of Associations with Obesity. <i>PLoS ONE</i> , 2013, 8, e58048.	1.1	33
84	Dysregulation of Complement System and CD4+ T Cell Activation Pathways Implicated in Allergic Response. <i>PLoS ONE</i> , 2013, 8, e74821.	1.1	14
85	Novel Loci for Adiponectin Levels and Their Influence on Type 2 Diabetes and Metabolic Traits: A Multi-Ethnic Meta-Analysis of 45,891 Individuals. <i>PLoS Genetics</i> , 2012, 8, e1002607.	1.5	419
86	Fine-Scale Estimation of Location of Birth from Genome-Wide Single-Nucleotide Polymorphism Data. <i>Genetics</i> , 2012, 190, 669-677.	1.2	8
87	An exome sequencing pipeline for identifying and genotyping common CNVs associated with disease with application to psoriasis. <i>Bioinformatics</i> , 2012, 28, i370-i374.	1.8	24
88	Common variants at 6q22 and 17q21 are associated with intracranial volume. <i>Nature Genetics</i> , 2012, 44, 539-544.	9.4	126
89	Common variants at 12q15 and 12q24 are associated with infant head circumference. <i>Nature Genetics</i> , 2012, 44, 532-538.	9.4	130
90	Gene-Targeted Analysis of Copy Number Variants Identifies 3 Novel Associations With Coronary Heart Disease Traits. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 555-560.	5.1	9

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91	Novel association approach for variable number tandem repeats (VNTRs) identifies DOCK5 as a susceptibility gene for severe obesity. <i>Human Molecular Genetics</i> , 2012, 21, 3727-3738.	1.4	37
92	Highly interconnected genes in disease-specific networks are enriched for disease-associated polymorphisms. <i>Genome Biology</i> , 2012, 13, R46.	13.9	60
93	An integrated map of genetic variation from 1,092 human genomes. <i>Nature</i> , 2012, 491, 56-65.	13.7	7,199
94	cnvHiTSeq: integrative models for high-resolution copy number variation detection and genotyping using population sequencing data. <i>Genome Biology</i> , 2012, 13, R120.	13.9	26
95	A Genome-Wide Association Search for Type 2 Diabetes Genes in African Americans. <i>PLoS ONE</i> , 2012, 7, e29202.	1.1	197
96	MultiPhen: Joint Model of Multiple Phenotypes Can Increase Discovery in GWAS. <i>PLoS ONE</i> , 2012, 7, e34861.	1.1	339
97	Genome-Wide Association Studies of Asthma in Population-Based Cohorts Confirm Known and Suggested Loci and Identify an Additional Association near HLA. <i>PLoS ONE</i> , 2012, 7, e44008.	1.1	111
98	Transforming Growth Factor- β 2 Signaling Pathway in Patients With Kawasaki Disease. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 16-25.	5.1	127
99	TTC12-ANKK1-DRD2 and CHRNA5-CHRNA3-CHRNA4 Influence Different Pathways Leading to Smoking Behavior from Adolescence to Mid-Adulthood. <i>Biological Psychiatry</i> , 2011, 69, 650-660.	0.7	67
100	Structural variation in two human genomes mapped at single-nucleotide resolution by whole genome de novo assembly. <i>Nature Biotechnology</i> , 2011, 29, 723-730.	9.4	113
101	Mirror extreme BMI phenotypes associated with gene dosage at the chromosome 16p11.2 locus. <i>Nature</i> , 2011, 478, 97-102.	13.7	394
102	Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. <i>Nature Genetics</i> , 2011, 43, 1131-1138.	9.4	501
103	Haplotype and isoform specific expression estimation using multi-mapping RNA-seq reads. <i>Genome Biology</i> , 2011, 12, R13.	13.9	224
104	Genome-Wide Association Identifies Nine Common Variants Associated With Fasting Proinsulin Levels and Provides New Insights Into the Pathophysiology of Type 2 Diabetes. <i>Diabetes</i> , 2011, 60, 2624-2634.	0.3	335
105	A genome-wide meta-analysis of genetic variants associated with allergic rhinitis and grass sensitization and their interaction with birth order. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 128, 996-1005.	1.5	212
106	Investigation of the HIN200 Locus in UK SLE Families Identifies Novel Copy Number Variants. <i>Annals of Human Genetics</i> , 2011, 75, 383-397.	0.3	5
107	Accurate Single-Nucleotide Polymorphism Allele Assignment in Trisomic or Duplicated Regions by Using a Single Base-Extension Assay with MALDI-TOF Mass Spectrometry. <i>Clinical Chemistry</i> , 2011, 57, 1188-1195.	1.5	10
108	Obesity-susceptibility loci have a limited influence on birth weight: a meta-analysis of up to 28,219 individuals. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 851-860.	2.2	58

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109	famCNV: copy number variant association for quantitative traits in families. <i>Bioinformatics</i> , 2011, 27, 1873-1875.	1.8	10
110	Pathway-driven gene stability selection of two rheumatoid arthritis GWAS identifies and validates new susceptibility genes in receptor mediated signalling pathways. <i>Human Molecular Genetics</i> , 2011, 20, 3494-3506.	1.4	72
111	Genome-wide association and genetic functional studies identify <i>AUTS2</i> gene (<i>AUTS2</i>) in the regulation of alcohol consumption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7119-7124.	3.3	258
112	A new highly penetrant form of obesity due to deletions on chromosome 16p11.2. <i>Nature</i> , 2010, 463, 671-675.	13.7	476
113	Hundreds of variants clustered in genomic loci and biological pathways affect human height. <i>Nature</i> , 2010, 467, 832-838.	13.7	1,789
114	Variants in <i>ADCY5</i> and near <i>CCNL1</i> are associated with fetal growth and birth weight. <i>Nature Genetics</i> , 2010, 42, 430-435.	9.4	223
115	Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. <i>Nature Genetics</i> , 2010, 42, 949-960.	9.4	836
116	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. <i>Nature Genetics</i> , 2010, 42, 937-948.	9.4	2,634
117	cnvHap: an integrative population and haplotype-based multiplatform model of SNPs and CNVs. <i>Nature Methods</i> , 2010, 7, 541-546.	9.0	44
118	Inferring combined CNV/SNP haplotypes from genotype data. <i>Bioinformatics</i> , 2010, 26, 1437-1445.	1.8	31
119	Genome-Wide Association Study Reveals Multiple Loci Associated with Primary Tooth Development during Infancy. <i>PLoS Genetics</i> , 2010, 6, e1000856.	1.5	64
120	invertFREGENE: software for simulating inversions in population genetic data. <i>Bioinformatics</i> , 2010, 26, 838-840.	1.8	12
121	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. <i>Nature Genetics</i> , 2010, 42, 105-116.	9.4	1,982
122	Genome-Wide Association Scan Meta-Analysis Identifies Three Loci Influencing Adiposity and Fat Distribution. <i>PLoS Genetics</i> , 2009, 5, e1000508.	1.5	453
123	Pathway Analysis of GWAS Provides New Insights into Genetic Susceptibility to 3 Inflammatory Diseases. <i>PLoS ONE</i> , 2009, 4, e8068.	1.1	131
124	Genetic Loci Associated With C-Reactive Protein Levels and Risk of Coronary Heart Disease. <i>JAMA - Journal of the American Medical Association</i> , 2009, 302, 37.	3.8	544
125	Genetic Determinants of Height Growth Assessed Longitudinally from Infancy to Adulthood in the Northern Finland Birth Cohort 1966. <i>PLoS Genetics</i> , 2009, 5, e1000409.	1.5	131
126	Genome-wide association analysis of metabolic traits in a birth cohort from a founder population. <i>Nature Genetics</i> , 2009, 41, 35-46.	9.4	676

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127	Six new loci associated with body mass index highlight a neuronal influence on body weight regulation. <i>Nature Genetics</i> , 2009, 41, 25-34.	9.4	1,572
128	Variants in MTNR1B influence fasting glucose levels. <i>Nature Genetics</i> , 2009, 41, 77-81.	9.4	662
129	Genome-wide association study for early-onset and morbid adult obesity identifies three new risk loci in European populations. <i>Nature Genetics</i> , 2009, 41, 157-159.	9.4	585
130	Genome-wide association study identifies eight loci associated with blood pressure. <i>Nature Genetics</i> , 2009, 41, 666-676.	9.4	1,104
131	Inference of haplotypic phase and missing genotypes in polyploid organisms and variable copy number genomic regions. <i>BMC Bioinformatics</i> , 2008, 9, 513.	1.2	23
132	Disease association tests by inferring ancestral haplotypes using a hidden markov model. <i>Bioinformatics</i> , 2008, 24, 972-978.	1.8	22
133	Small Deletion Variants Have Stable Breakpoints Commonly Associated with Alu Elements. <i>PLoS ONE</i> , 2008, 3, e3104.	1.1	52
134	TreeFam: 2008 Update. <i>Nucleic Acids Research</i> , 2007, 36, D735-D740.	6.5	294
135	Improved techniques for the identification of pseudogenes. <i>Bioinformatics</i> , 2004, 20, i94-i100.	1.8	21
136	A census of human cancer genes. <i>Nature Reviews Cancer</i> , 2004, 4, 177-183.	12.8	2,868
137	Enhanced protein domain discovery using taxonomy. <i>BMC Bioinformatics</i> , 2004, 5, 56.	1.2	18
138	The Pfam protein families database. <i>Nucleic Acids Research</i> , 2004, 32, 138D-141.	6.5	3,084
139	Enhanced protein domain discovery by using language modeling techniques from speech recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4516-4520.	3.3	47
140	Signatures of TSPAN8 Variants Associated with Human Metabolic Regulation and Diseases. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
141	High-throughput multiplexed tandem repeat genotyping using targeted long-read sequencing. <i>F1000Research</i> , 0, 9, 1084.	0.8	0