Human Genome Project: Twenty-five years of big biolog

Nature

526, 29-31

DOI: 10.1038/526029a

Citation Report

#	Article	IF	CITATIONS
1	Genomics: the Power and the Promise. Genome, 2015, 58, vii-viii.	0.9	1
2	La génomique : le pouvoir et la promesse. Genome, 2015, 58, ix-x.	0.9	0
3	Editorial: Quantitative Analysis of Neuroanatomy. Frontiers in Neuroanatomy, 2015, 9, 143.	0.9	12
4	The Genome Russia project: closing the largest remaining omission on the world Genome map. GigaScience, 2015, 4, 53.	3.3	16
5	Inflammation Thread Runs across Medical Laboratory Specialities. Mediators of Inflammation, 2016, 2016, 1-10.	1.4	7
6	Go Big or Go Home: Big Science and ELSI Funding. AJOB Neuroscience, 2016, 7, 32-34.	0.6	3
7	On nanopore DNA sequencing by signal and noise analysis of ionic current. Nanotechnology, 2016, 27, 215502.	1.3	17
8	Molecular screening programmes for precision medicine: lessons learned from personalized medicine trials. Expert Review of Precision Medicine and Drug Development, 2016, 1, 419-430.	0.4	1
9	The role of miRNAs in cardiovascular disease risk factors. Atherosclerosis, 2016, 254, 271-281.	0.4	51
10	Comparative Approaches to Biobanks and Privacy. Journal of Law, Medicine and Ethics, 2016, 44, 161-172.	0.4	23
11	Neuroinflammation â€" using big data to inform clinical practice. Nature Reviews Neurology, 2016, 12, 685-698.	4.9	29
12	Hey hey hey, it was the DNA. New Journal of Physics, 2016, 18, 051002.	1.2	1
13	Making Data Accessible: The Dryad Experience. Toxicological Sciences, 2016, 149, 2-3.	1.4	11
14	Towards a functional definition of the mitochondrial human proteome. EuPA Open Proteomics, 2016, 10, 24-27.	2.5	11
15	PRINS, a primate-specific long non-coding RNA, plays a role in the keratinocyte stress response and psoriasis pathogenesis. Pflugers Archiv European Journal of Physiology, 2016, 468, 935-943.	1.3	36
16	Can data repositories help find effective treatments for complex diseases?. Progress in Neurobiology, 2017, 152, 200-212.	2.8	11
17	Assessment of knowledge about biobanking among healthcare students and their willingness to donate biospecimens. BMC Medical Ethics, 2017, 18, 32.	1.0	36
18	Sharing Data to Build a Medical Information Commons: From Bermuda to the Global Alliance. Annual Review of Genomics and Human Genetics, 2017, 18, 389-415.	2.5	22

#	ARTICLE	IF	Citations
19	Academic, Foundation, and Industry Collaboration in Finding New Therapies. New England Journal of Medicine, 2017, 376, 1762-1769.	13.9	57
20	Ocular genetics in Taiwan. Current Opinion in Ophthalmology, 2017, 28, 430-435.	1.3	1
21	Advancing genomics through the Global Invertebrate Genomics Alliance (GIGA). Invertebrate Systematics, 2017, 31, 1.	0.5	22
22	Principles and Recommendations for Standardizing the Use of the Next-Generation Sequencing Variant File in Clinical Settings. Journal of Molecular Diagnostics, 2017, 19, 417-426.	1.2	19
23	Targeting the Microbiome in Heart Failure. Current Treatment Options in Cardiovascular Medicine, 2017, 19, 27.	0.4	40
24	Promotion of glycolysis by HOTAIR through GLUT1 upregulation via mTOR signaling. Oncology Reports, 2017, 38, 1902-1908.	1.2	73
25	A Case for a Human Immuno-Peptidome Project Consortium. Immunity, 2017, 47, 203-208.	6.6	84
26	Metabolomics in Sepsis and Its Impact on Public Health. Public Health Genomics, 2017, 20, 274-285.	0.6	24
27	The Greatest Generational Impact: Open Neuroscience as an Emerging Knowledge Commons. , 2017, , 166-191.		6
28	Updated Landscape of the Tumor Microenvironment and Targeting Strategies in an Era of Precision Medicine. , 2017, , .		0
29	Corrigendum to: Advancing genomics through the Global Invertebrate Genomics Alliance (GIGA). Invertebrate Systematics, 2017, 31, 231.	0.5	2
30	Artificial Intelligence in Biological Data. Journal of Information Technology & Software Engineering, 2017, 07, .	0.3	9
31	Use of Array Comparative Genomic Hybridization for the Diagnosis of DiGeorge Syndrome in Saudi Arabian Population. Cytogenetic and Genome Research, 2018, 154, 20-29.	0.6	6
32	An OMIC biomarker detection algorithm TriVote and its application in methylomic biomarker detection. Epigenomics, 2018, 10, 335-347.	1.0	21
33	U.S. Physician–Scientist Workforce in the 21st Century: Recommendations to Attract and Sustain the Pipeline. Academic Medicine, 2018, 93, 565-573.	0.8	60
34	Maternal sepsis in the era of genomic medicine. Archives of Gynecology and Obstetrics, 2018, 297, 49-60.	0.8	3
35	Panomics for Precision Medicine. Trends in Molecular Medicine, 2018, 24, 85-101.	3.5	67
36	Gastric microbiota: An emerging player in Helicobacter pylori -induced gastric malignancies. Cancer Letters, 2018, 414, 147-152.	3.2	72

#	Article	IF	CITATIONS
37	Vaginal microbiome variances in sample groups categorized by clinical criteria of bacterial vaginosis. BMC Genomics, 2018, 19, 876.	1.2	21
38	The Bermuda Triangle: The Pragmatics, Policies, and Principles for Data Sharing in the History of the Human Genome Project. Journal of the History of Biology, 2018, 51, 693-805.	0.2	42
39	Epigenetic Effects of Drugs of Abuse. International Journal of Environmental Research and Public Health, 2018, 15, 2098.	1.2	14
40	Personalised Medicine: The Odyssey from Hope to Practice. Journal of Personalized Medicine, 2018, 8, 31.	1.1	9
41	Human genetic issues from scientific and Islamic perspectives. Journal of Fundamental and Applied Sciences, 2018, 9, 762.	0.2	0
42	Creating a functional single-chromosome yeast. Nature, 2018, 560, 331-335.	13.7	187
43	Sensing Bacterial-Induced DNA Damaging Effects via Natural Killer Group 2 Member D Immune Receptor: From Dysbiosis to Autoimmunity and Carcinogenesis. Frontiers in Immunology, 2018, 9, 52.	2.2	28
44	Perspectives and applications of machine learning for evolutionary developmental biology. Molecular Omics, 2018, 14, 289-306.	1.4	7
45	Functional Genomics. , 2019, , 118-133.		5
46	The Role of Long Noncoding RNAs in Gene Expression Regulation. , 0, , .		26
47	Benefits of the Mediterranean diet: Epidemiological and molecular aspects. Molecular Aspects of Medicine, 2019, 67, 1-55.	2.7	141
48	Diagnosing and Preventing Hearing Loss in the Genomic Age. Trends in Hearing, 2019, 23, 233121651987898.	0.7	16
49	Gut Microbiota and Obesity: A Role for Probiotics. Nutrients, 2019, 11, 2690.	1.7	335
50	Genetic Support for Longevity-Enhancing Drug Targets: Issues, Preliminary Data, and Future Directions. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, S61-S71.	1.7	4
51	Investigational IGF1R inhibitors in early stage clinical trials for cancer therapy. Expert Opinion on Investigational Drugs, 2019, 28, 1101-1112.	1.9	42
52	Human Induced Pluripotent Stem-Cell-Derived Cardiomyocytes as Models for Genetic Cardiomyopathies. International Journal of Molecular Sciences, 2019, 20, 4381.	1.8	43
53	Ontology-based data integration for advancing toxicological knowledge. Current Opinion in Toxicology, 2019, 16, 67-74.	2.6	16
54	Genome sequencingâ€"the dawn of a game-changing era. Heredity, 2019, 123, 58-66.	1.2	2

#	Article	IF	Citations
55	Significance of a Family-based Study of Hereditary Thrombosis: A Single-family Case Series of Protein C Deficiency. Internal Medicine, 2019, 58, 1923-1928.	0.3	0
56	A Review of Strain and Sex Differences in Response to Pain and Analgesia in Mice. Comparative Medicine, 2019, 69, 490-500.	0.4	31
58	Comparative genomic analysis of eutherian connexin genes. Scientific Reports, 2019, 9, 16938.	1.6	9
59	A Vision for Development and Utilization of High-Throughput Phenotyping and Big Data Analytics in Livestock. Frontiers in Genetics, 2019, 10, 1197.	1.1	64
60	Current and Future Approaches for Monitoring Responses to Anti-complement Therapeutics. Frontiers in Immunology, 2019, 10, 2539.	2.2	13
61	From the Double Helix to Oncogenomics and Precision Cancer Medicine. , 2019, , 3-16.		O
62	Complexity of genome sequencing and reporting: Next generation sequencing (NGS) technologies and implementation of precision medicine in real life. Critical Reviews in Oncology/Hematology, 2019, 133, 171-182.	2.0	93
63	Genomic Science—From 2001 to Present Day: What School Nurses Need to Know. NASN School Nurse (Print), 2019, 34, 235-239.	0.4	2
64	Inevitability or contingency: how many chromosomes do we really need?. Science China Life Sciences, 2019, 62, 140-143.	2.3	5
65	Molecular Biology Information Service: an innovative medical library-based bioinformatics support service for biomedical researchers. Briefings in Bioinformatics, 2020, 21, 876-884.	3.2	4
66	Fostering Ethical, Legal, and Social Implications Research in Tribal Communities: The Center for the Ethics of Indigenous Genomic Research. Journal of Empirical Research on Human Research Ethics, 2020, 15, 271-278.	0.6	11
67	Location deviations of DNA functional elements affected SNP mapping in the published databases and references. Briefings in Bioinformatics, 2020, 21, 1293-1301.	3.2	7
68	Contaminations in (meta)genome data: An open issue for the scientific community. IUBMB Life, 2020, 72, 698-705.	1.5	13
69	Genetic Testing. , 2020, , 189-207.		1
70	Micro/Nano Technology for Nextâ€Generation Diagnostics. Small Methods, 2020, 4, 1900506.	4.6	25
71	The Human Immunopeptidome Project: A Roadmap to Predict and Treat Immune Diseases. Molecular and Cellular Proteomics, 2020, 19, 31-49.	2.5	65
72	Metabolomics: The Stethoscope for the Twenty-First Century. Medical Principles and Practice, 2021, 30, 301-310.	1.1	46
73	When should we order a next generation sequencing test in a patient with cancer?. EClinicalMedicine, 2020, 25, 100487.	3.2	94

#	Article	IF	CITATIONS
74	A deliberative study of public attitudes towards sharing genomic data within NHS genomic medicine services in England. Public Understanding of Science, 2020, 29, 702-717.	1.6	28
75	Omics research in vascular calcification. Clinica Chimica Acta, 2020, 511, 198-207.	0.5	4
76	Omics research in vascular calcification. Clinica Chimica Acta, 2020, 511, 319-328.	0.5	5
77	Non-Coding RNAs as Sensors of Oxidative Stress in Neurodegenerative Diseases. Antioxidants, 2020, 9, 1095.	2.2	18
78	From personalised nutrition to precision medicine: the rise of consumer genomics and digital health. Proceedings of the Nutrition Society, 2020, 79, 300-310.	0.4	17
79	Singleâ€Cell Transcriptomic Analysis. , 2020, 10, 767-783.		8
80	High-Throughput Transcriptome Profiling in Drug and Biomarker Discovery. Frontiers in Genetics, 2020, 11, 19.	1.1	111
81	Translational Genomics in Neurocritical Care: a Review. Neurotherapeutics, 2020, 17, 563-580.	2.1	6
82	GWAS in cancer: progress and challenges. Molecular Genetics and Genomics, 2020, 295, 537-561.	1.0	53
83	The Human Genome Project: the Beginning of the Beginning. Quantitative Biology, 2021, 9, 4-7.	0.3	4
84	Gut microbiota and obesity and the body weight regulation. , 2021, , 355-373.		0
85	Application of Artificial Intelligence for Medical Research. Biomolecules, 2021, 11, 90.	1.8	19
86	The evolving role of genetics in ophthalmology. Ophthalmic Genetics, 2021, 42, 110-113.	0.5	5
87	Role of Bioinformatics in Biological Sciences. , 2021, , 37-57.		5
88	High-Throughput Sequencing Technologies. , 2021, , 283-304.		1
89	Identification of glycolysis related pathways in pancreatic adenocarcinoma and liver hepatocellular carcinoma based on TCGA and GEO datasets. Cancer Cell International, 2021, 21, 128.	1.8	3
91	A multi-omics view of the complex mechanism of vascular calcification. Biomedicine and Pharmacotherapy, 2021, 135, 111192.	2.5	9
92	Practical Approaches for Knock-Out Gene Editing in Pigs. Frontiers in Genetics, 2020, 11, 617850.	1.1	6

#	Article	IF	CITATIONS
93	Blockchain in manufacturing quality control: A computer simulation study. PLoS ONE, 2021, 16, e0247925.	1.1	5
94	When Tissue is an Issue the Liquid Biopsy is Nonissue: A Review. Oncology and Therapy, 2021, 9, 89-110.	1.0	36
95	Nucleotide spacing distribution analysis for human genome. Mammalian Genome, 2021, 32, 123-128.	1.0	3
96	KibioR & Camp; Kibio: a new architecture for next-generation data querying and sharing in big biology. Bioinformatics, 2021, 37, 2706-2713.	1.8	1
97	A field guide to U.S. healthcare reform: The evolution to <scp>valueâ€based</scp> healthcare. Laryngoscope Investigative Otolaryngology, 2021, 6, 590-599.	0.6	4
98	The importance of precision medicine in modern molecular oncology. Clinical Genetics, 2021, 100, 248-257.	1.0	7
99	LncRNA TCONS_00023297 Regulates the Balance of Osteogenic and Adipogenic Differentiation in Bone Marrow Mesenchymal Stem Cells and the Coupling Process of Osteogenesis and Angiogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 697858.	1.8	8
100	The NanoInformatics Knowledge Commons: Capturing spatial and temporal nanomaterial transformations in diverse systems. NanoImpact, 2021, 23, 100331.	2.4	5
101	Towards a Human Cell Atlas: Taking Notes from the Past. Trends in Genetics, 2021, 37, 625-630.	2.9	59
102	Disruptive innovations in the clinical laboratory: catching the wave of precision diagnostics. Critical Reviews in Clinical Laboratory Sciences, 2021, 58, 546-562.	2.7	8
103	Discovery of genomic variation across a generation. Human Molecular Genetics, 2021, 30, R174-R186.	1.4	9
104	The Need for a Human Pangenome Reference Sequence. Annual Review of Genomics and Human Genetics, 2021, 22, 81-102.	2.5	71
105	Cloud-based genomics pipelines for ophthalmology: reviewed from research to clinical practice. Modeling and Artificial Intelligence in Ophthalmology, 2021, 3, 101-140.	0.1	1
106	Diagnosis and Treatment of Breast Cancer in the Precision Medicine Era. Methods in Molecular Biology, 2020, 2204, 53-61.	0.4	23
107	Next Generation Sequencing (NGS): A Revolutionary Technology in Pharmacogenomics and Personalized Medicine in Cancer. Advances in Experimental Medicine and Biology, 2019, 1168, 9-30.	0.8	114
108	Role of Next-Generation Sequencing Technologies in Personalized Medicine. , 2020, , 125-154.		13
109	A better way to crack the brain. Nature, 2016, 539, 159-161.	13.7	18
110	Structural homologies between phenformin, lipitor and gleevec aim the same metabolic oncotarget in leukemia and melanoma. Oncotarget, 2017, 8, 50187-50192.	0.8	13

#	ARTICLE	IF	Citations
111	Normative Values for Cardiorespiratory Fitness: 45 Years after Bruce. Bioengineered, 2017, 6, 59-60.	1.4	1
112	Epigenetics and the International Classification of Functioning, Disability and Health Model: Bridging Nature, Nurture, and Patient-Centered Population Health. Physical Therapy, 2022, 102, .	1.1	7
113	Identifying Scientific Project-generated Data Citation from Full-text Articles: An Investigation of TCGA Data Citation. Journal of Data and Information Science, 2017, 1, 32-44.	0.5	1
114	A review of human genome project (HGP) from ethical perspectives. International Journal of Advanced and Applied Sciences, 2017, 4, 125-132.	0.2	1
115	Prospects for the use of third generation sequencers for quantitative profiling of transcriptome. Biomedical Chemistry Research and Methods, 2018, 1, e00086.	0.1	2
116	Dental Stem Cells in Regenerative Medicine: Emerging Trends and Prospects in the \hat{A} Era of Bioinformatics. , 2019, , 119-150.		0
118	Sharia Scholars and Modern Biomedical Advancements: What Role for Religious Ethics in the Genomic Era?. , 2019 , , 15 -46.		0
119	Islamic Ethics and Genomics: Mapping the Collective Deliberations of Muslim Religious Scholars and Biomedical Scientists., 2019,, 47-79.		1
120	Basic Concepts of Genetics. Experientia Supplementum (2012), 2019, 111, 3-19.	0.5	0
121	Genomics as "Revolutionary†Prospects and Problems. Cahiers Droit Sciences & Technologies, 2019, , 95-101.	0.1	0
122	A genomic data mining pipeline for 15 species of the genus Olea. EMBnet Journal, 2019, 24, e922.	0.2	0
123	A Genomic Approach to Characterize the Vulnerable Patient – a Clinical Update. Journal of Interdisciplinary Medicine, 2019, 4, 141-144.	0.1	1
124	Neurogenetics, Genome-Wide Association and Candidate Gene Studies., 2020,, 67-126.		0
125	Epidemiology of suspected life-threatening perioperative anaphylaxis: a cross-sectional multicentre study in China. British Journal of Anaesthesia, 2022, 128, 45-54.	1.5	5
126	Diagnostic Potential of Salivary Exosomes in Oral Cancer., 0, , .		2
128	The Biological Significance of Long noncoding RNAs Dysregulation and their Mechanism of Regulating Signaling Pathways in Cervical Cancer. International Journal of Molecular and Cellular Medicine, 2021, 10, 75-101.	1.1	1
129	Avian genomics. , 2022, , 7-16.		0
130	Evolution and neural representation of mammalian cooperative behavior. Cell Reports, 2021, 37, 110029.	2.9	9

#	Article	IF	Citations
131	FachÃretliche Versorgung., 2021,, 53-74.		0
132	Lower Genital Tract Microbiome—A Work in Progress. Journal of Lower Genital Tract Disease, 2022, 26, 71-72.	0.9	0
133	Histochemistry, Cytochemistry and Epigenetics. Acta Histochemica Et Cytochemica, 2022, 55, 1-7.	0.8	5
134	Whole-Genome Genotyping Using DNA Microarrays for Population Genetics. Methods in Molecular Biology, 2022, 2418, 269-287.	0.4	2
135	Considerations of Autonomy in Guiding Decisions around the Feedback of Individual Genetic Research Results from Genomics Research: Expectations of and Preferences from Researchers in Botswana. Global Health, Epidemiology and Genomics, 2022, 2022, 1-7.	0.2	5
136	Identification of potential biomarkers of vascular calcification using bioinformatics analysis and validation <i>in vivo</i> . PeerJ, 2022, 10, e13138.	0.9	3
137	Genetic associations in chronic hepatitis B infection: towardÂdeveloping polygenic risk scores. Future Microbiology, 2022, 17, 541-549.	1.0	0
141	CRISPR accelerates the cancer drug discovery. Biocell, 2022, .	0.4	0
142	Deep Learning applied to computational biology and agricultural sciences., 2022,, 589-618.		0
143	Redefining critical illness. Nature Medicine, 2022, 28, 1141-1148.	15.2	136
145	Yeast Genomics and Its Applications in Biotechnological Processes: What Is Our Present and Near Future?. Journal of Fungi (Basel, Switzerland), 2022, 8, 752.	1.5	13
146	Why Cell-Free DNA Can Be a "Game Changer―for Lung Allograft Monitoring for Rejection and Infection. Current Pulmonology Reports, 2022, 11, 75-85.	0.5	5
147	Advances in application of single-cell RNA sequencing in cardiovascular research. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	3
148	The potential role of DNA methylation as preventive treatment target of epileptogenesis. Frontiers in Cellular Neuroscience, $0,16,.$	1.8	3
149	Gregor Mendel and regulation of child's growth: genes, molecules, and paediatric clinical routine. Cesko-Slovenska Pediatrie, 2022, 77, 206-213.	0.0	0
150	When 3D genome technology meets viral infection, including SARS oVâ€2. Journal of Medical Virology, 2022, 94, 5627-5639.	2.5	3
151	Introductory Chapter: Epigenetics and Optogenetics - The Science behind the Cover Blanket of Our Genome. Biochemistry, 0, , .	0.8	0
152	What Is Next-Generation Sequencing and Why do we Need it?. Frontiers for Young Minds, 0, 10, .	0.8	O

#	Article	IF	CITATIONS
153	Omics Data and Data Representations for Deep Learning-Based Predictive Modeling. International Journal of Molecular Sciences, 2022, 23, 12272.	1.8	6
154	Unified ethical principles and an animal research †Helsinki†declaration as foundations for international collaboration. Current Research in Neurobiology, 2022, 3, 100060.	1.1	9
155	Medicine and health of 21st Century: Not just a high biotech-driven solution. Npj Genomic Medicine, 2022, 7, .	1.7	3
156	On the Opportunities and Risks of Examining the Genetics of Entrepreneurship. Genes, 2022, 13, 2208.	1.0	1
157	Artificial Intelligence: The Milestone in Modern Biomedical Research. BioMedInformatics, 2022, 2, 727-744.	1.0	17
158	Al + precision medicine., 2023,, 69-98.		1
159	baseLess: lightweight detection of sequences in raw MinION data. Bioinformatics Advances, 2023, 3, .	0.9	2
160	3D genomics and its applications in precision medicine. Cellular and Molecular Biology Letters, 2023, 28, .	2.7	1
161	Food Safety Applications of Genomic Technologies. , 2024, , 315-334.		1
164	Next Generation Biorepository Informatics: Supporting Genomics, Imaging, and Innovations in Spatial Biology. Computers in Health Care, 2023, , 69-90.	0.2	0
166	SecureFASTA: Ensuring privacy and trust when sharing genomic data., 2023,,.		0
168	Intelligence in the World., 2023,, 354-374.		0
170	Neurogenetic motor disorders. Handbook of Clinical Neurology / Edited By PJ Vinken and G W Bruyn, 2023, , 183-250.	1.0	0
181	Precision medicine: success stories and challenges from science to implementation., 2024,, 83-113.		O