

# Leroy Hood

## List of Publications by Year in descending order

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408  
papers

77,929  
citations

950

115  
h-index

494

269  
g-index

435  
all docs

435  
docs citations

435  
times ranked

76262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Initial sequencing and analysis of the human genome. <i>Nature</i> , 2001, 409, 860-921.	13.7	21,074
2	A distinct lineage of CD4 T cells regulates tissue inflammation by producing interleukin 17. <i>Nature Immunology</i> , 2005, 6, 1133-1141.	7.0	3,869
3	Integration of biological networks and gene expression data using Cytoscape. <i>Nature Protocols</i> , 2007, 2, 2366-2382.	5.5	2,275
4	Integrated Genomic and Proteomic Analyses of a Systematically Perturbed Metabolic Network. <i>Science</i> , 2001, 292, 929-934.	6.0	1,921
5	Direct multiplexed measurement of gene expression with color-coded probe pairs. <i>Nature Biotechnology</i> , 2008, 26, 317-325.	9.4	1,832
6	A NEW APPROACH TO DECODING LIFE: Systems Biology. <i>Annual Review of Genomics and Human Genetics</i> , 2001, 2, 343-372.	2.5	1,455
7	Whole-Genome Shotgun Assembly and Analysis of the Genome of <i>Fugu rubripes</i> . <i>Science</i> , 2002, 297, 1301-1310.	6.0	1,432
8	A Genomic Regulatory Network for Development. <i>Science</i> , 2002, 295, 1669-1678.	6.0	1,399
9	Alagille syndrome is caused by mutations in human <i>Jagged1</i> , which encodes a ligand for Notch1. <i>Nature Genetics</i> , 1997, 16, 243-251.	9.4	1,184
10	Analysis of Genetic Inheritance in a Family Quartet by Whole-Genome Sequencing. <i>Science</i> , 2010, 328, 636-639.	6.0	979
11	Systems Biology and New Technologies Enable Predictive and Preventative Medicine. <i>Science</i> , 2004, 306, 640-643.	6.0	977
12	Systems Biology, Proteomics, and the Future of Health Care: Toward Predictive, Preventative, and Personalized Medicine. <i>Journal of Proteome Research</i> , 2004, 3, 179-196.	1.8	680
13	Transgenic mice that express a myelin basic protein-specific T cell receptor develop spontaneous autoimmunity. <i>Cell</i> , 1993, 72, 551-560.	13.5	657
14	Death Receptor 5, a New Member of the TNFR Family, and DR4 Induce FADD-Dependent Apoptosis and Activate the NF- $\kappa$ B Pathway. <i>Immunity</i> , 1997, 7, 821-830.	6.6	656
15	Predictive, personalized, preventive, participatory (P4) cancer medicine. <i>Nature Reviews Clinical Oncology</i> , 2011, 8, 184-187.	12.5	628
16	Multiple early factors anticipate post-acute COVID-19 sequelae. <i>Cell</i> , 2022, 185, 881-895.e20.	13.5	605
17	Restricted use of T cell receptor V genes in murine autoimmune encephalomyelitis raises possibilities for antibody therapy. <i>Cell</i> , 1988, 54, 577-592.	13.5	596
18	Complementary Profiling of Gene Expression at the Transcriptome and Proteome Levels in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Proteomics</i> , 2002, 1, 323-333.	2.5	591

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19	Integrated barcode chips for rapid, multiplexed analysis of proteins in microliter quantities of blood. <i>Nature Biotechnology</i> , 2008, 26, 1373-1378.	9.4	507
20	A single VH gene segment encodes the immune response to phosphorylcholine: Somatic mutation is correlated with the class of the antibody. <i>Cell</i> , 1981, 25, 59-66.	13.5	496
21	IgG antibodies to phosphorylcholine exhibit more diversity than their IgM counterparts. <i>Nature</i> , 1981, 291, 29-34.	13.7	492
22	A molecular map of the immune response region from the major histocompatibility complex of the mouse. <i>Nature</i> , 1982, 300, 35-42.	13.7	460
23	The Inferelator: an algorithm for learning parsimonious regulatory networks from systems-biology data sets de novo. <i>Genome Biology</i> , 2006, 7, R36.	13.9	456
24	Introduced T cell receptor variable region gene segments recombine in pre-B cells: Evidence that B and T cells use a common recombinase. <i>Cell</i> , 1986, 44, 251-259.	13.5	455
25	Clusters of genes encoding mouse transplantation antigens. <i>Cell</i> , 1982, 28, 489-498.	13.5	449
26	Multi-Omics Resolves a Sharp Disease-State Shift between Mild and Moderate COVID-19. <i>Cell</i> , 2020, 183, 1479-1495.e20.	13.5	449
27	A personal view on systems medicine and the emergence of proactive P4 medicine: predictive, preventive, personalized and participatory. <i>New Biotechnology</i> , 2012, 29, 613-624.	2.4	442
28	Mouse T cell antigen receptor: Structure and organization of constant and joining gene segments encoding the $\hat{\imath}^2$ polypeptide. <i>Cell</i> , 1984, 37, 1101-1110.	13.5	422
29	P4 medicine: how systems medicine will transform the healthcare sector and society. <i>Personalized Medicine</i> , 2013, 10, 565-576.	0.8	422
30	The program of androgen-responsive genes in neoplastic prostate epithelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 11890-11895.	3.3	407
31	PTEN-deficient intestinal stem cells initiate intestinal polyposis. <i>Nature Genetics</i> , 2007, 39, 189-198.	9.4	391
32	Hematopoietic Stem Cells Contribute to the Regeneration of Renal Tubules after Renal Ischemia-Reperfusion Injury in Mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 1188-1199.	3.0	387
33	Conserved organization of the human and murine T-cell receptor $\hat{\imath}^2$ -gene families. <i>Nature</i> , 1988, 331, 543-546.	13.7	374
34	Gene Families: The Taxonomy of Protein Paralogs and Chimeras. <i>Science</i> , 1997, 278, 609-614.	6.0	362
35	Comparative hybridization of an array of 21 500 ovarian cDNAs for the discovery of genes overexpressed in ovarian carcinomas. <i>Gene</i> , 1999, 238, 375-385.	1.0	342
36	Antibody diversity: Somatic hypermutation of rearranged VH genes. <i>Cell</i> , 1981, 27, 573-581.	13.5	340

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37	A pseudogene homologous to mouse transplantation antigens: Transplantation antigens are encoded by eight exons that correlate with protein domains. <i>Cell</i> , 1981, 25, 683-692.	13.5	340
38	A wellness study of 108 individuals using personal, dense, dynamic data clouds. <i>Nature Biotechnology</i> , 2017, 35, 747-756.	9.4	340
39	A new strategy for genome sequencing. <i>Nature</i> , 1996, 381, 364-366.	13.7	338
40	Systems medicine: the future of medical genomics and healthcare. <i>Genome Medicine</i> , 2009, 1, 2.	3.6	333
41	A Provisional Regulatory Gene Network for Specification of Endomesoderm in the Sea Urchin Embryo. <i>Developmental Biology</i> , 2002, 246, 162-190.	0.9	319
42	An immunoglobulin heavy-chain gene is formed by at least two recombinational events. <i>Nature</i> , 1980, 283, 733-739.	13.7	305
43	Quantitative phosphoproteome analysis using a dendrimer conjugation chemistry and tandem mass spectrometry. <i>Nature Methods</i> , 2005, 2, 591-598.	9.0	302
44	The human t cell antigen receptor is encoded by variable, diversity, and joining gene segments that rearrange to generate a complete V gene. <i>Cell</i> , 1984, 37, 393-401.	13.5	300
45	Single-cell proteomic chip for profiling intracellular signaling pathways in single tumor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 419-424.	3.3	300
46	The structure, rearrangement and expression of D $\beta$ 2 gene segments of the murine T-cell antigen receptor. <i>Nature</i> , 1984, 311, 344-349.	13.7	299
47	Human SRMATlas: A Resource of Targeted Assays to Quantify the Complete Human Proteome. <i>Cell</i> , 2016, 166, 766-778.	13.5	295
48	The murine T-cell receptor uses a limited repertoire of expressed V $\beta$ 2 gene segments. <i>Nature</i> , 1985, 316, 517-523.	13.7	294
49	Understanding the Adaptation of Halobacterium Species NRC-1 to Its Extreme Environment through Computational Analysis of Its Genome Sequence. <i>Genome Research</i> , 2001, 11, 1641-1650.	2.4	294
50	A data integration methodology for systems biology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17296-17301.	3.3	293
51	Evidence for a Rare Prostate Cancer Susceptibility Locus at Chromosome 1p36. <i>American Journal of Human Genetics</i> , 1999, 64, 776-787.	2.6	292
52	A Predictive Model for Transcriptional Control of Physiology in a Free Living Cell. <i>Cell</i> , 2007, 131, 1354-1365.	13.5	284
53	Gut microbiome pattern reflects healthy ageing and predicts survival in humans. <i>Nature Metabolism</i> , 2021, 3, 274-286.	5.1	278
54	Monitoring gene expression profile changes in ovarian carcinomas using cDNA microarray. <i>Gene</i> , 1999, 229, 101-108.	1.0	277

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55	Diversity of the Immunoglobulin Gene Superfamily. <i>Advances in Immunology</i> , 1989, 44, 1-63.	1.1	274
56	Modulation of the NF- $\kappa$ B pathway by virally encoded Death Effector Domains-containing proteins. <i>Oncogene</i> , 1999, 18, 5738-5746.	2.6	271
57	Genome sequence of <i>Haloarcula marismortui</i> : A halophilic archaeon from the Dead Sea. <i>Genome Research</i> , 2004, 14, 2221-2234.	2.4	268
58	The Human Homolog of Rat Jagged1 Expressed by Marrow Stroma Inhibits Differentiation of 32D Cells through Interaction with Notch1. <i>Immunity</i> , 1998, 8, 43-55.	6.6	261
59	A molecular correlate to the Gleason grading system for prostate adenocarcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10991-10996.	3.3	261
60	Dysregulated gene expression networks in human acute myelogenous leukemia stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3396-3401.	3.3	253
61	Asparagine-linked glycosylation of the scrapie and cellular prion proteins. <i>Archives of Biochemistry and Biophysics</i> , 1989, 274, 1-13.	1.4	246
62	Systems biology: integrating technology, biology, and computation. <i>Mechanisms of Ageing and Development</i> , 2003, 124, 9-16.	2.2	235
63	Proteomic analysis of human prostasomes. <i>Prostate</i> , 2003, 56, 150-161.	1.2	226
64	The digital code of DNA. <i>Nature</i> , 2003, 421, 444-448.	13.7	226
65	The T cell receptor $\beta$ chain genes are located on chromosome 6 in mice and chromosome 7 in humans. <i>Cell</i> , 1984, 37, 1091-1099.	13.5	225
66	Revolutionizing medicine in the 21 <sup>st</sup> century through systems approaches. <i>Biotechnology Journal</i> , 2012, 7, 992-1001.	1.8	225
67	Activation of the NF- $\kappa$ B pathway by Caspase 8 and its homologs. <i>Oncogene</i> , 2000, 19, 4451-4460.	2.6	219
68	Genomic organization of the genes encoding mouse T-cell receptor $\beta$ -chain. <i>Nature</i> , 1985, 316, 832-836.	13.7	216
69	Predominant use of a V $\beta$ gene segment in mouse T-cell receptors for cytochrome c. <i>Nature</i> , 1986, 324, 679-682.	13.7	214
70	The impact of systems approaches on biological problems in drug discovery. <i>Nature Biotechnology</i> , 2004, 22, 1215-1217.	9.4	213
71	Blood metabolome predicts gut microbiome $\alpha$ -diversity in humans. <i>Nature Biotechnology</i> , 2019, 37, 1217-1228.	9.4	213
72	Regulatory gene networks and the properties of the developmental process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1475-1480.	3.3	211

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73	Label-Free Quantitative Detection of Tumor-Derived Exosomes through Surface Plasmon Resonance Imaging. <i>Analytical Chemistry</i> , 2014, 86, 8857-8864.	3.2	211
74	Systems Biology and P4 Medicine: Past, Present, and Future. <i>Rambam Maimonides Medical Journal</i> , 2013, 4, e0012.	0.4	208
75	Genetic Effects on Age-Dependent Onset and Islet Cell Autoantibody Markers in Type 1 Diabetes. <i>Diabetes</i> , 2002, 51, 1346-1355.	0.3	203
76	Mouse epidermal Ia molecules have a bone marrow origin. <i>Nature</i> , 1979, 282, 321-323.	13.7	194
77	A T cell clone expresses two T cell receptor $\alpha$ genes but uses one $\alpha\beta$ heterodimer for allorecognition and self MHC-restricted antigen recognition. <i>Cell</i> , 1988, 55, 49-59.	13.5	190
78	The human genome project: big science transforms biology and medicine. <i>Genome Medicine</i> , 2013, 5, 79.	3.6	184
79	Rearrangement and transcription of the $\beta$ -chain genes of the T-cell antigen receptor in different types of murine lymphocytes. <i>Nature</i> , 1985, 313, 647-653.	13.7	183
80	Systems medicine and integrated care to combat chronic noncommunicable diseases. <i>Genome Medicine</i> , 2011, 3, 43.	3.6	181
81	Mutations in STX1B, encoding a presynaptic protein, cause fever-associated epilepsy syndromes. <i>Nature Genetics</i> , 2014, 46, 1327-1332.	9.4	178
82	The P4 Health Spectrum – A Predictive, Preventive, Personalized and Participatory Continuum for Promoting Healthspan. <i>Progress in Cardiovascular Diseases</i> , 2017, 59, 506-521.	1.6	178
83	The Human T-Cell Receptor TCRAC/TCRDC ( $\alpha$ / $\delta$ ) Region: Organization, Sequence, and Evolution of 97.6 kb of DNA. <i>Genomics</i> , 1994, 19, 478-493.	1.3	171
84	Differential gene expression profiling of adult murine hematopoietic stem cells. <i>Blood</i> , 2002, 99, 488-498.	0.6	168
85	Boosting Signal-to-Noise in Complex Biology: Prior Knowledge Is Power. <i>Cell</i> , 2011, 144, 860-863.	13.5	167
86	A Blood-Based Proteomic Classifier for the Molecular Characterization of Pulmonary Nodules. <i>Science Translational Medicine</i> , 2013, 5, 207ra142.	5.8	165
87	Analysis of the Human Neurexin Genes: Alternative Splicing and the Generation of Protein Diversity. <i>Genomics</i> , 2002, 79, 587-597.	1.3	164
88	Comparative Genomics of the Human and Mouse T Cell Receptor Loci. <i>Immunity</i> , 2001, 15, 337-349.	6.6	163
89	Identification of the class I genes of the mouse major histocompatibility complex by DNA-mediated gene transfer. <i>Nature</i> , 1982, 300, 231-237.	13.7	160
90	Striking sequence similarity over almost 100 kilobases of human and mouse T cell receptor DNA. <i>Nature Genetics</i> , 1994, 7, 48-53.	9.4	160

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91	Activated Notch4 Inhibits Angiogenesis: Role of $\beta$ 1-Integrin Activation. <i>Molecular and Cellular Biology</i> , 2002, 22, 2830-2841.	1.1	157
92	Direct evidence for chromosomal inversion during T-cell receptor $\beta$ -gene rearrangements. <i>Nature</i> , 1986, 319, 28-33.	13.7	152
93	Shotgun Glycopeptide Capture Approach Coupled with Mass Spectrometry for Comprehensive Glycoproteomics. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 141-149.	2.5	152
94	Rare variants in neuronal excitability genes influence risk for bipolar disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3576-3581.	3.3	152
95	Highly accurate two-gene classifier for differentiating gastrointestinal stromal tumors and leiomyosarcomas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3414-3419.	3.3	144
96	Predictive, preventive, personalized and participatory medicine: back to the future. <i>Genome Medicine</i> , 2010, 2, 57.	3.6	144
97	Lipopolysaccharide Mediates Endothelial Apoptosis by a FADD-dependent Pathway. <i>Journal of Biological Chemistry</i> , 1998, 273, 20185-20188.	1.6	141
98	Cancer as robust intrinsic state of endogenous molecular-cellular network shaped by evolution. <i>Medical Hypotheses</i> , 2008, 70, 678-684.	0.8	141
99	Organization, structure, and function of 95 kb of DNA spanning the murine T-cell receptor $C\beta$ region. <i>Genomics</i> , 1992, 13, 1209-1230.	1.3	139
100	One heavy chain variable region gene segment subfamily in the BALBc mouse contains 500-1000 or more members. <i>Cell</i> , 1986, 47, 461-470.	13.5	138
101	Optimized conditions for pulsed field gel electrophoretic separations of DNA. <i>Nucleic Acids Research</i> , 1988, 16, 7563-7582.	6.5	138
102	Proteomic analysis identifies that 14-3-3 $\sigma$ interacts with $\beta$ -catenin and facilitates its activation by Akt. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15370-15375.	3.3	138
103	A Combined Genomewide Linkage Scan of 1,233 Families for Prostate Cancer-Susceptibility Genes Conducted by the International Consortium for Prostate Cancer Genetics. <i>American Journal of Human Genetics</i> , 2005, 77, 219-229.	2.6	138
104	Participatory medicine: a driving force for revolutionizing healthcare. <i>Genome Medicine</i> , 2013, 5, 110.	3.6	137
105	The Generation of Diversity in Phosphorylcholine-Binding Antibodies. <i>Advances in Immunology</i> , 1984, 35, 1-37.	1.1	136
106	Genome-Wide Analysis of Epigenetic Silencing Identifies BEX1 and BEX2 as Candidate Tumor Suppressor Genes in Malignant Glioma. <i>Cancer Research</i> , 2006, 66, 6665-6674.	0.4	135
107	Elevated expression of DKK1 is associated with cytoplasmic/nuclear $\beta$ -catenin accumulation and poor prognosis in hepatocellular carcinomas. <i>Journal of Hepatology</i> , 2009, 50, 948-957.	1.8	131
108	Systems Level Insights Into the Stress Response to UV Radiation in the Halophilic Archaeon <i>Halobacterium</i> NRC-1. <i>Genome Research</i> , 2004, 14, 1025-1035.	2.4	130

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109	A novel Fanconi anaemia subtype associated with a dominant-negative mutation in RAD51. Nature Communications, 2015, 6, 8829.	5.8	130
110	The joining of V and J gene segments creates antibody diversity. Nature, 1980, 283, 497-499.	13.7	129
111	Rearranged $\hat{V}^2$ t cell receptor genes in a helper t cell clone specific for lysozyme: No correlation between $\hat{V}^2$ and MHC restriction. Cell, 1985, 40, 859-867.	13.5	128
112	GrpL, a Grb2-related Adaptor Protein, Interacts with SLP-76 to Regulate Nuclear Factor of Activated T Cell Activation. Journal of Experimental Medicine, 1999, 189, 1243-1253.	4.2	128
113	A single gene encodes soluble and membrane-bound forms of the major histocompatibility Qa-2 antigen: Anchoring of the product by a phospholipid tail. Cell, 1987, 50, 759-768.	13.5	125
114	Identification of a diversity segment of human T-cell receptor $\hat{V}^2$ -chain, and comparison with the analogous murine element. Nature, 1984, 311, 387-389.	13.7	124
115	Coordinate regulation of energy transduction modules in Halobacterium sp. analyzed by a global systems approach. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14913-14918.	3.3	123
116	Parallel microfluidic surface plasmon resonance imaging arrays. Lab on A Chip, 2010, 10, 581.	3.1	123
117	The dysmyelinating mouse mutations shiverer (shi) and myelin deficient (shi mld ). Behavior Genetics, 1990, 20, 213-234.	1.4	122
118	Sequencing the Human Genome. Science, 1997, 278, 605-607.	6.0	121
119	Proteins Associated with Cisplatin Resistance in Ovarian Cancer Cells Identified by Quantitative Proteomic Technology and Integrated with mRNA Expression Levels. Molecular and Cellular Proteomics, 2006, 5, 433-443.	2.5	118
120	A speculative view of the multicomponent nature of T cell antigen recognition. Cell, 1986, 45, 475-484.	13.5	117
121	Linkage Analysis of 49 High-Risk Families Does Not Support a Common Familial Prostate Cancerâ€™Susceptibility Gene at 1q24-25. American Journal of Human Genetics, 1997, 61, 347-353.	2.6	114
122	Expression and function of transplantation antigens with altered or deleted cytoplasmic domains. Cell, 1983, 34, 535-544.	13.5	113
123	Snapshot of a Large Dynamic Replicon in a Halophilic Archaeon: Megaplasmid or Minichromosome?. Genome Research, 1998, 8, 1131-1141.	2.4	113
124	The DNA sequence and analysis of human chromosome 14. Nature, 2003, 421, 601-607.	13.7	108
125	Immunology: The growing immunoglobulin gene superfamily. Nature, 1986, 323, 15-16.	13.7	105
126	Evidence for the Presence of Disease-Perturbed Networks in Prostate Cancer Cells by Genomic and Proteomic Analyses: A Systems Approach to Disease. Cancer Research, 2005, 65, 3081-3091.	0.4	104



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127	From functional genomics to systems biology: concepts and practices. <i>Comptes Rendus - Biologies</i> , 2003, 326, 879-892.	0.1	103
128	Electrochemically Programmed, Spatially Selective Biofunctionalization of Silicon Wires. <i>Langmuir</i> , 2004, 20, 10630-10638.	1.6	102
129	Detailed transcriptome atlas of the pancreatic beta cell. <i>BMC Medical Genomics</i> , 2009, 2, 3.	0.7	102
130	Morphometric Analysis of Normal, Mutant, and Transgenic CNS: Correlation of Myelin Basic Protein Expression to Myelination. <i>Journal of Neurochemistry</i> , 1992, 58, 342-349.	2.1	101
131	Pairwise end sequencing: a unified approach to genomic mapping and sequencing. <i>Genomics</i> , 1995, 26, 345-353.	1.3	101
132	Rabbit Antibody Light Chains and Gene Evolution. <i>Nature</i> , 1970, 228, 1040-1044.	13.7	98
133	Toxoplasma Modulates Signature Pathways of Human Epilepsy, Neurodegeneration & Cancer. <i>Scientific Reports</i> , 2017, 7, 11496.	1.6	97
134	Cell population structure prior to bifurcation predicts efficiency of directed differentiation in human induced pluripotent cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2271-2276.	3.3	96
135	Is gene expression in <i>Halobacterium</i> NRC-1 regulated by multiple TBP and TFB transcription factors?. <i>MicroCorrespondence. Molecular Microbiology</i> , 2000, 36, 1184-1185.	1.2	94
136	Analysis of the Gene-Dense Major Histocompatibility Complex Class III Region and Its Comparison to Mouse. <i>Genome Research</i> , 2003, 13, 2621-2636.	2.4	94
137	Predictive Big Data Analytics: A Study of Parkinson's Disease Using Large, Complex, Heterogeneous, Incongruent, Multi-Source and Incomplete Observations. <i>PLoS ONE</i> , 2016, 11, e0157077.	1.1	94
138	A unified test of linkage analysis and rare-variant association for analysis of pedigree sequence data. <i>Nature Biotechnology</i> , 2014, 32, 663-669.	9.4	93
139	Autoimmune T cells: Immune recognition of normal and variant peptide epitopes and peptide-based therapy. <i>Cell</i> , 1989, 59, 257-271.	13.5	90
140	Evolutionary history of Tibetans inferred from whole-genome sequencing. <i>PLoS Genetics</i> , 2017, 13, e1006675.	1.5	89
141	A Genomic Scan of Families with Prostate Cancer Identifies Multiple Regions of Interest. <i>American Journal of Human Genetics</i> , 2000, 67, 100-109.	2.6	88
142	brp and blh Are Required for Synthesis of the Retinal Cofactor of Bacteriorhodopsin in <i>Halobacterium salinarum</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 5739-5744.	1.6	87
143	A Review of Computational Tools in microRNA Discovery. <i>Frontiers in Genetics</i> , 2013, 4, 81.	1.1	86
144	The myelin proteins of the shark brain are similar to the myelin proteins of the mammalian peripheral nervous system. <i>Journal of Molecular Evolution</i> , 1989, 29, 149-156.	0.8	84

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145	The Molecular Evolution of the Vertebrate Trypsinogens. <i>Journal of Molecular Evolution</i> , 1997, 45, 640-652.	0.8	84
146	Proteomics Analysis of the Interactome of N-myc Downstream Regulated Gene 1 and Its Interactions with the Androgen Response Program in Prostate Cancer Cells. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 575-588.	2.5	83
147	Systems Approaches to Biology and Disease Enable Translational Systems Medicine. <i>Genomics, Proteomics and Bioinformatics</i> , 2012, 10, 181-185.	3.0	83
148	Integrated analysis of plasma and single immune cells uncovers metabolic changes in individuals with COVID-19. <i>Nature Biotechnology</i> , 2022, 40, 110-120.	9.4	81
149	The effect of maternal SARS-CoV-2 infection timing on birth outcomes: a retrospective multicentre cohort study. <i>The Lancet Digital Health</i> , 2022, 4, e95-e104.	5.9	81
150	Novel submicroscopic extrachromosomal elements containing amplified genes in human cells. <i>Nature</i> , 1987, 327, 434-437.	13.7	79
151	Massively Parallel Signature Sequencing and Bioinformatics Analysis Identifies Up-Regulation of TGFBI and SOX4 in Human Glioblastoma. <i>PLoS ONE</i> , 2010, 5, e10210.	1.1	77
152	Integrated Expression Profiling and CHIP-seq Analyses of the Growth Inhibition Response Program of the Androgen Receptor. <i>PLoS ONE</i> , 2009, 4, e6589.	1.1	77
153	Quantitative Proteomics Analysis Integrated with Microarray Data Reveals That Extracellular Matrix Proteins, Catenins, and P53 Binding Protein 1 Are Important for Chemotherapy Response in Ovarian Cancers. <i>OMICS A Journal of Integrative Biology</i> , 2009, 13, 345-354.	1.0	76
154	Immunoglobulin Lambda Chain Structure: Two Genes, One Polypeptide Chain. <i>Nature</i> , 1968, 220, 764-767.	13.7	75
155	Identifying Tightly Regulated and Variably Expressed Networks by Differential Rank Conservation (DIRAC). <i>PLoS Computational Biology</i> , 2010, 6, e1000792.	1.5	73
156	Quantitative Serum Proteomics from Surface Plasmon Resonance Imaging. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 2464-2474.	2.5	71
157	Product of a transferred H $\alpha$ 2Ld gene acts as restriction element for LCMV-specific killer T cells. <i>Nature</i> , 1982, 297, 415-417.	13.7	70
158	Analysis of Chromosome 1q42.2-43 in 152 Families with High Risk of Prostate Cancer. <i>American Journal of Human Genetics</i> , 1999, 64, 1087-1095.	2.6	70
159	Big biomedical data as the key resource for discovery science. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 1126-1131.	2.2	70
160	Genetic Evaluation of Suspected Cases of Transient HIV-1 Infection of Infants. <i>Science</i> , 1998, 280, 1073-1077.	6.0	68
161	Multi-omic biomarker identification and validation for diagnosing warzone-related post-traumatic stress disorder. <i>Molecular Psychiatry</i> , 2020, 25, 3337-3349.	4.1	68
162	Sequence analysis of mouse vomeronasal receptor gene clusters reveals common promoter motifs and a history of recent expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 291-296.	3.3	67

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