

Chris Sander

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340
papers

120,352
citations

136
h-index

346
g-index

366
ext. papers

145,412
ext. citations

15
avg, IF

7.96
L-index

#	Paper	IF	Citations
340	The cBio cancer genomics portal: an open platform for exploring multidimensional cancer genomics data. <i>Cancer Discovery</i> , 2012 , 2, 401-4	24.4	8578
339	Integrative analysis of complex cancer genomics and clinical profiles using the cBioPortal. <i>Science Signaling</i> , 2013 , 6, p11	8.8	7715
338	Cancer immunology. Mutational landscape determines sensitivity to PD-1 blockade in non-small cell lung cancer. <i>Science</i> , 2015 , 348, 124-8	33.3	5003
337	The Cancer Genome Atlas Pan-Cancer analysis project. <i>Nature Genetics</i> , 2013 , 45, 1113-20	36.3	3933
336	Protein structure comparison by alignment of distance matrices. <i>Journal of Molecular Biology</i> , 1993 , 233, 123-38	6.5	3573
335	A mammalian microRNA expression atlas based on small RNA library sequencing. <i>Cell</i> , 2007 , 129, 1401-146.2	36.2	3005
334	The somatic genomic landscape of glioblastoma. <i>Cell</i> , 2013 , 155, 462-77	56.2	2900
333	Human MicroRNA targets. <i>PLoS Biology</i> , 2004 , 2, e363	9.7	2746
332	Integrative genomic profiling of human prostate cancer. <i>Cancer Cell</i> , 2010 , 18, 11-22	24.3	2666
331	Prediction of protein secondary structure at better than 70% accuracy. <i>Journal of Molecular Biology</i> , 1993 , 232, 584-99	6.5	2597
330	MicroRNA targets in Drosophila. <i>Genome Biology</i> , 2003 , 5, R1	18.3	2206
329	The microRNA.org resource: targets and expression. <i>Nucleic Acids Research</i> , 2008 , 36, D149-53	20.1	1892
328	Genomic Classification of Cutaneous Melanoma. <i>Cell</i> , 2015 , 161, 1681-96	56.2	1807
327	Integration of biological networks and gene expression data using Cytoscape. <i>Nature Protocols</i> , 2007 , 2, 2366-82	18.8	1798
326	The Immune Landscape of Cancer. <i>Immunity</i> , 2018 , 48, 812-830.e14	32.3	1754
325	Errors in protein structures. <i>Nature</i> , 1996 , 381, 272	50.4	1730
324	The Molecular Taxonomy of Primary Prostate Cancer. <i>Cell</i> , 2015 , 163, 1011-25	56.2	1713

323	Global mapping of the yeast genetic interaction network. <i>Science</i> , 2004 , 303, 808-13	33.3	1700
322	Integrated genomic characterization of papillary thyroid carcinoma. <i>Cell</i> , 2014 , 159, 676-90	56.2	1660
321	International network of cancer genome projects. <i>Nature</i> , 2010 , 464, 993-8	50.4	1613
320	Database of homology-derived protein structures and the structural meaning of sequence alignment. <i>Proteins: Structure, Function and Bioinformatics</i> , 1991 , 9, 56-68	4.2	1411
319	Combining evolutionary information and neural networks to predict protein secondary structure. <i>Proteins: Structure, Function and Bioinformatics</i> , 1994 , 19, 55-72	4.2	1319
318	Identification of virus-encoded microRNAs. <i>Science</i> , 2004 , 304, 734-6	33.3	1293
317	Dali: a network tool for protein structure comparison. <i>Trends in Biochemical Sciences</i> , 1995 , 20, 478-80	10.3	1275
316	Predicting the functional impact of protein mutations: application to cancer genomics. <i>Nucleic Acids Research</i> , 2011 , 39, e118	20.1	1237
315	Comprehensive modeling of microRNA targets predicts functional non-conserved and non-canonical sites. <i>Genome Biology</i> , 2010 , 11, R90	18.3	1143
314	Comprehensive and Integrative Genomic Characterization of Hepatocellular Carcinoma. <i>Cell</i> , 2017 , 169, 1327-1341.e23	56.2	1125
313	Oncogenic Signaling Pathways in The Cancer Genome Atlas. <i>Cell</i> , 2018 , 173, 321-337.e10	56.2	1124
312	A novel class of small RNAs bind to MILI protein in mouse testes. <i>Nature</i> , 2006 , 442, 203-7	50.4	1099
311	Precision microbiome reconstitution restores bile acid mediated resistance to <i>Clostridium difficile</i> . <i>Nature</i> , 2015 , 517, 205-8	50.4	1064
310	Comprehensive Molecular Portraits of Invasive Lobular Breast Cancer. <i>Cell</i> , 2015 , 163, 506-19	56.2	1055
309	Identification of microRNAs of the herpesvirus family. <i>Nature Methods</i> , 2005 , 2, 269-76	21.6	962
308	Emerging landscape of oncogenic signatures across human cancers. <i>Nature Genetics</i> , 2013 , 45, 1127-33	36.3	889
307	Cell-of-Origin Patterns Dominate the Molecular Classification of 10,000 Tumors from 33 Types of Cancer. <i>Cell</i> , 2018 , 173, 291-304.e6	56.2	888
306	Comprehensive Characterization of Cancer Driver Genes and Mutations. <i>Cell</i> , 2018 , 173, 371-385.e18	56.2	854

305	Direct-coupling analysis of residue coevolution captures native contacts across many protein families. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E1293-301	11.5	837
304	Evaluating cell lines as tumour models by comparison of genomic profiles. <i>Nature Communications</i> , 2013 , 4, 2126	17.4	831
303	Pathway Commons, a web resource for biological pathway data. <i>Nucleic Acids Research</i> , 2011 , 39, D685-90	10.1	786
302	Protein 3D structure computed from evolutionary sequence variation. <i>PLoS ONE</i> , 2011 , 6, e28766	3.7	709
301	Correlated mutations and residue contacts in proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 1994 , 18, 309-17	4.2	662
300	The Systems Biology Graphical Notation. <i>Nature Biotechnology</i> , 2009 , 27, 735-41	44.5	651
299	miR-122, a mammalian liver-specific microRNA, is processed from hcr mRNA and may downregulate the high affinity cationic amino acid transporter CAT-1. <i>RNA Biology</i> , 2004 , 1, 106-13	4.8	642
298	Selection of representative protein data sets. <i>Protein Science</i> , 1992 , 1, 409-17	6.3	639
297	The double cubic lattice method: Efficient approaches to numerical integration of surface area and volume and to dot surface contouring of molecular assemblies. <i>Journal of Computational Chemistry</i> , 1995 , 16, 273-284	3.5	632
296	Enlarged representative set of protein structures. <i>Protein Science</i> , 1994 , 3, 522-4	6.3	610
295	Genomic and transcriptomic hallmarks of poorly differentiated and anaplastic thyroid cancers. <i>Journal of Clinical Investigation</i> , 2016 , 126, 1052-66	15.9	576
294	Transmembrane helices predicted at 95% accuracy. <i>Protein Science</i> , 1995 , 4, 521-33	6.3	551
293	Genome sequencing identifies a basis for everolimus sensitivity. <i>Science</i> , 2012 , 338, 221	33.3	546
292	Conservation and prediction of solvent accessibility in protein families. <i>Proteins: Structure, Function and Bioinformatics</i> , 1994 , 20, 216-26	4.2	523
291	Subtype-specific genomic alterations define new targets for soft-tissue sarcoma therapy. <i>Nature Genetics</i> , 2010 , 42, 715-21	36.3	521
290	The ras protein family: evolutionary tree and role of conserved amino acids. <i>Biochemistry</i> , 1991 , 30, 4637-48	34.8	517
289	The nuclear deubiquitinase BAP1 is commonly inactivated by somatic mutations and 3p21.1 losses in malignant pleural mesothelioma. <i>Nature Genetics</i> , 2011 , 43, 668-72	36.3	512
288	The HUPO PSI@ molecular interaction format--a community standard for the representation of protein interaction data. <i>Nature Biotechnology</i> , 2004 , 22, 177-83	44.5	504

287	The BioPAX community standard for pathway data sharing. <i>Nature Biotechnology</i> , 2010 , 28, 935-42	44.5	499
286	A series of PDB related databases for everyday needs. <i>Nucleic Acids Research</i> , 2011 , 39, D411-9	20.1	487
285	Cellular cofactors affecting hepatitis C virus infection and replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 12884-9	11.5	478
284	Mutual exclusivity analysis identifies oncogenic network modules. <i>Genome Research</i> , 2012 , 22, 398-406	9.7	452
283	Comprehensive and Integrated Genomic Characterization of Adult Soft Tissue Sarcomas. <i>Cell</i> , 2017 , 171, 950-965.e28	56.2	451
282	(V600E)BRAF is associated with disabled feedback inhibition of RAF-MEK signaling and elevated transcriptional output of the pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4519-24	11.5	444
281	PredictProtein--an open resource for online prediction of protein structural and functional features. <i>Nucleic Acids Research</i> , 2014 , 42, W337-43	20.1	433
280	Protein structure prediction from sequence variation. <i>Nature Biotechnology</i> , 2012 , 30, 1072-80	44.5	432
279	Quantitative technologies establish a novel microRNA profile of chronic lymphocytic leukemia. <i>Blood</i> , 2007 , 109, 4944-51	2.2	422
278	Genomic and Molecular Landscape of DNA Damage Repair Deficiency across The Cancer Genome Atlas. <i>Cell Reports</i> , 2018 , 23, 239-254.e6	10.6	405
277	A role for neuronal piRNAs in the epigenetic control of memory-related synaptic plasticity. <i>Cell</i> , 2012 , 149, 693-707	56.2	399
276	Three-dimensional structures of membrane proteins from genomic sequencing. <i>Cell</i> , 2012 , 149, 1607-21	56.2	395
275	Transfection of small RNAs globally perturbs gene regulation by endogenous microRNAs. <i>Nature Biotechnology</i> , 2009 , 27, 549-55	44.5	393
274	Tumor immune microenvironment characterization in clear cell renal cell carcinoma identifies prognostic and immunotherapeutically relevant messenger RNA signatures. <i>Genome Biology</i> , 2016 , 17, 231	18.3	391
273	Cooperativity of TMPRSS2-ERG with PI3-kinase pathway activation in prostate oncogenesis. <i>Nature Genetics</i> , 2009 , 41, 524-6	36.3	386
272	Dali/FSSP classification of three-dimensional protein folds. <i>Nucleic Acids Research</i> , 1997 , 25, 231-4	20.1	381
271	Characterizing gene sets with FuncAssociate. <i>Bioinformatics</i> , 2003 , 19, 2502-4	7.2	380
270	Genetic dissection of the miR-17~92 cluster of microRNAs in Myc-induced B-cell lymphomas. <i>Genes and Development</i> , 2009 , 23, 2806-11	12.6	379

269	An evolutionary treasure: unification of a broad set of amidohydrolases related to urease 1997 , 28, 72-82	370
268	Genome-wide analysis of noncoding regulatory mutations in cancer. <i>Nature Genetics</i> , 2014 , 46, 1160-5	36.3 367
267	MicroRNA profiling of the murine hematopoietic system. <i>Genome Biology</i> , 2005 , 6, R71	18.3 356
266	A specificity map for the PDZ domain family. <i>PLoS Biology</i> , 2008 , 6, e239	9.7 348
265	An Integrated Metabolic Atlas of Clear Cell Renal Cell Carcinoma. <i>Cancer Cell</i> , 2016 , 29, 104-116	24.3 335
264	NetPath: a public resource of curated signal transduction pathways. <i>Genome Biology</i> , 2010 , 11, R3	18.3 331
263	Ecological modeling from time-series inference: insight into dynamics and stability of intestinal microbiota. <i>PLoS Computational Biology</i> , 2013 , 9, e1003388	5 329
262	A method to predict functional residues in proteins. <i>Nature Structural and Molecular Biology</i> , 1995 , 2, 171-8	17.6 329
261	Comprehensive Analysis of Alternative Splicing Across Tumors from 8,705 Patients. <i>Cancer Cell</i> , 2018 , 34, 211-224.e6	24.3 327
260	Pathguide: a pathway resource list. <i>Nucleic Acids Research</i> , 2006 , 34, D504-6	20.1 326
259	Sequence co-evolution gives 3D contacts and structures of protein complexes. <i>ELife</i> , 2014 , 3,	8.9 324
258	Scalable Open Science Approach for Mutation Calling of Tumor Exomes Using Multiple Genomic Pipelines. <i>Cell Systems</i> , 2018 , 6, 271-281.e7	10.6 320
257	Characterization of small RNAs in <i>Aplysia</i> reveals a role for miR-124 in constraining synaptic plasticity through CREB. <i>Neuron</i> , 2009 , 63, 803-17	13.9 320
256	The mutational landscape of adenoid cystic carcinoma. <i>Nature Genetics</i> , 2013 , 45, 791-8	36.3 311
255	Convergent evolution of similar enzymatic function on different protein folds: the hexokinase, ribokinase, and galactokinase families of sugar kinases. <i>Protein Science</i> , 1993 , 2, 31-40	6.3 307
254	Database algorithm for generating protein backbone and side-chain co-ordinates from a C alpha trace application to model building and detection of co-ordinate errors. <i>Journal of Molecular Biology</i> , 1991 , 218, 183-94	6.5 301
253	Completeness in structural genomics. <i>Nature Structural Biology</i> , 2001 , 8, 559-66	282
252	Somatic mutations of the Parkinson disease-associated gene PARK2 in glioblastoma and other human malignancies. <i>Nature Genetics</i> , 2010 , 42, 77-82	36.3 280

251	Antisense-mediated depletion reveals essential and specific functions of microRNAs in <i>Drosophila</i> development. <i>Cell</i> , 2005 , 121, 1097-108	56.2	276
250	lncRNA Epigenetic Landscape Analysis Identifies EPIC1 as an Oncogenic lncRNA that Interacts with MYC and Promotes Cell-Cycle Progression in Cancer. <i>Cancer Cell</i> , 2018 , 33, 706-720.e9	24.3	275
249	Mutation effects predicted from sequence co-variation. <i>Nature Biotechnology</i> , 2017 , 35, 128-135	44.5	273
248	Automated network analysis identifies core pathways in glioblastoma. <i>PLoS ONE</i> , 2010 , 5, e8918	3.7	268
247	Target mRNA abundance dilutes microRNA and siRNA activity. <i>Molecular Systems Biology</i> , 2010 , 6, 363	12.2	264
246	A large domain common to sperm receptors (Zp2 and Zp3) and TGF-beta type III receptor. <i>FEBS Letters</i> , 1992 , 300, 237-40	3.8	264
245	The developmental miRNA profiles of zebrafish as determined by small RNA cloning. <i>Genes and Development</i> , 2005 , 19, 1288-93	12.6	258
244	Redefining the goals of protein secondary structure prediction. <i>Journal of Molecular Biology</i> , 1994 , 235, 13-26	6.5	257
243	PHD--an automatic mail server for protein secondary structure prediction. <i>Bioinformatics</i> , 1994 , 10, 53-60	6.2	257
242	Positioning hydrogen atoms by optimizing hydrogen-bond networks in protein structures. <i>Proteins: Structure, Function and Bioinformatics</i> , 1996 , 26, 363-76	4.2	256
241	Mitochondrial DNA copy number variation across human cancers. <i>ELife</i> , 2016 , 5,	8.9	255
240	Pattern discovery and cancer gene identification in integrated cancer genomic data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4245-50	11.5	250
239	An Effective Solvation Term Based on Atomic Occupancies for Use in Protein Simulations. <i>Molecular Simulation</i> , 1993 , 10, 97-120	2	243
238	Protein fold recognition by prediction-based threading. <i>Journal of Molecular Biology</i> , 1997 , 270, 471-80	6.5	238
237	Human SRMatlas: A Resource of Targeted Assays to Quantify the Complete Human Proteome. <i>Cell</i> , 2016 , 166, 766-778	56.2	236
236	Pathway and network analysis of cancer genomes. <i>Nature Methods</i> , 2015 , 12, 615-621	21.6	235
235	Driver Fusions and Their Implications in the Development and Treatment of Human Cancers. <i>Cell Reports</i> , 2018 , 23, 227-238.e3	10.6	235
234	Adverse outcomes in clear cell renal cell carcinoma with mutations of 3p21 epigenetic regulators BAP1 and SETD2: a report by MSKCC and the KIRC TCGA research network. <i>Clinical Cancer Research</i> , 2013 , 19, 3259-67	12.9	233

233	Multilevel Genomics-Based Taxonomy of Renal Cell Carcinoma. <i>Cell Reports</i> , 2016 , 14, 2476-89	10.6	228
232	Prevalence and co-occurrence of actionable genomic alterations in high-grade bladder cancer. <i>Journal of Clinical Oncology</i> , 2013 , 31, 3133-40	2.2	226
231	Analyses of non-coding somatic drivers in 2,658 cancer whole genomes. <i>Nature</i> , 2020 , 578, 102-111	50.4	220
230	Searching protein structure databases has come of age. <i>Proteins: Structure, Function and Bioinformatics</i> , 1994 , 19, 165-73	4.2	220
229	Copy number alteration burden predicts prostate cancer relapse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11139-44	11.5	218
228	Determinants of protein function revealed by combinatorial entropy optimization. <i>Genome Biology</i> , 2007 , 8, R232	18.3	202
227	The tyrosine phosphatase PTPRD is a tumor suppressor that is frequently inactivated and mutated in glioblastoma and other human cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 9435-40	11.5	196
226	DGCR8-dependent microRNA biogenesis is essential for skin development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 498-502	11.5	190
225	Somatic Mutational Landscape of Splicing Factor Genes and Their Functional Consequences across 33 Cancer Types. <i>Cell Reports</i> , 2018 , 23, 282-296.e4	10.6	188
224	Exonuclease mutations in DNA polymerase epsilon reveal replication strand specific mutation patterns and human origins of replication. <i>Genome Research</i> , 2014 , 24, 1740-50	9.7	187
223	Gene expression profiling of liposarcoma identifies distinct biological types/subtypes and potential therapeutic targets in well-differentiated and dedifferentiated liposarcoma. <i>Cancer Research</i> , 2007 , 67, 6626-36	10.1	186
222	Evaluation of protein models by atomic solvation preference. <i>Journal of Molecular Biology</i> , 1992 , 225, 93-105	6.5	186
221	Protein folds and families: sequence and structure alignments. <i>Nucleic Acids Research</i> , 1999 , 27, 244-7	20.1	182
220	Parser for protein folding units. <i>Proteins: Structure, Function and Bioinformatics</i> , 1994 , 19, 256-68	4.2	182
219	The essential tyrosine of the internalization signal in lysosomal acid phosphatase is part of a beta turn. <i>Cell</i> , 1991 , 67, 1203-9	56.2	172
218	A database of protein structure families with common folding motifs. <i>Protein Science</i> , 1992 , 1, 1691-8	6.3	171
217	Detection of common three-dimensional substructures in proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 1991 , 11, 52-8	4.2	170
216	A sequence property approach to searching protein databases. <i>Journal of Molecular Biology</i> , 1995 , 251, 390-9	6.5	161

215	Pan-cancer Alterations of the MYC Oncogene and Its Proximal Network across the Cancer Genome Atlas. <i>Cell Systems</i> , 2018 , 6, 282-300.e2	10.6	159
214	Molecular modelling of the Norrie disease protein predicts a cystine knot growth factor tertiary structure. <i>Nature Genetics</i> , 1993 , 5, 376-80	36.3	154
213	Analysis of microRNA-target interactions across diverse cancer types. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 1325-32	17.6	153
212	Distinct patterns of dysregulated expression of enzymes involved in androgen synthesis and metabolism in metastatic prostate cancer tumors. <i>Cancer Research</i> , 2012 , 72, 6142-52	10.1	152
211	Models from experiments: combinatorial drug perturbations of cancer cells. <i>Molecular Systems Biology</i> , 2008 , 4, 216	12.2	151
210	Pan-Cancer Analysis of lncRNA Regulation Supports Their Targeting of Cancer Genes in Each Tumor Context. <i>Cell Reports</i> , 2018 , 23, 297-312.e12	10.6	147
209	Genome-wide identification of microRNA targets in human ES cells reveals a role for miR-302 in modulating BMP response. <i>Genes and Development</i> , 2011 , 25, 2173-86	12.6	143
208	CancerGenes: a gene selection resource for cancer genome projects. <i>Nucleic Acids Research</i> , 2007 , 35, D721-6	20.1	143
207	Dictionary of recurrent domains in protein structures. <i>Proteins: Structure, Function and Bioinformatics</i> , 1998 , 33, 88-96	4.2	142
206	Integrative subtype discovery in glioblastoma using iCluster. <i>PLoS ONE</i> , 2012 , 7, e35236	3.7	140
205	Prediction of protein structure by evaluation of sequence-structure fitness. Aligning sequences to contact profiles derived from three-dimensional structures. <i>Journal of Molecular Biology</i> , 1993 , 232, 805-25	6.5	138
204	The amino-acid mutational spectrum of human genetic disease. <i>Genome Biology</i> , 2003 , 4, R72	18.3	136
203	Applications of targeted proteomics in systems biology and translational medicine. <i>Proteomics</i> , 2015 , 15, 3193-208	4.8	134
202	Fast and simple Monte Carlo algorithm for side chain optimization in proteins: application to model building by homology. <i>Proteins: Structure, Function and Bioinformatics</i> , 1992 , 14, 213-23	4.2	133
201	Identification of PHLPP1 as a tumor suppressor reveals the role of feedback activation in PTEN-mutant prostate cancer progression. <i>Cancer Cell</i> , 2011 , 20, 173-86	24.3	131
200	Computational approaches to identify functional genetic variants in cancer genomes. <i>Nature Methods</i> , 2013 , 10, 723-9	21.6	129
199	Functional copy-number alterations in cancer. <i>PLoS ONE</i> , 2008 , 3, e3179	3.7	129
198	Objectively judging the quality of a protein structure from a Ramachandran plot. <i>Bioinformatics</i> , 1997 , 13, 425-30	7.2	122

197	Systematic Analysis of Splice-Site-Creating Mutations in Cancer. <i>Cell Reports</i> , 2018 , 23, 270-281.e3	10.6	121
196	3D clusters of somatic mutations in cancer reveal numerous rare mutations as functional targets. <i>Genome Medicine</i> , 2017 , 9, 4	14.4	117
195	Sequencing of prostate cancers identifies new cancer genes, routes of progression and drug targets. <i>Nature Genetics</i> , 2018 , 50, 682-692	36.3	112
194	Molecular Characterization and Clinical Relevance of Metabolic Expression Subtypes in Human Cancers. <i>Cell Reports</i> , 2018 , 23, 255-269.e4	10.6	112
193	SQSTM1 is a pathogenic target of 5q copy number gains in kidney cancer. <i>Cancer Cell</i> , 2013 , 24, 738-50	24.3	111
192	3D RNA and Functional Interactions from Evolutionary Couplings. <i>Cell</i> , 2016 , 165, 963-75	56.2	108
191	Systematic identification of cancer driving signaling pathways based on mutual exclusivity of genomic alterations. <i>Genome Biology</i> , 2015 , 16, 45	18.3	101
190	A novel RNA-binding motif in omnipotent suppressors of translation termination, ribosomal proteins and a ribosome modification enzyme?. <i>Nucleic Acids Research</i> , 1994 , 22, 2166-7	20.1	101
189	Signal processing in the TGF-beta superfamily ligand-receptor network. <i>PLoS Computational Biology</i> , 2006 , 2, e3	5	100
188	Prediction of human microRNA targets. <i>Methods in Molecular Biology</i> , 2006 , 342, 101-13	1.4	100
187	Perturbation biology: inferring signaling networks in cellular systems. <i>PLoS Computational Biology</i> , 2013 , 9, e1003290	5	98
186	Comprehensive sequence analysis of the 182 predicted open reading frames of yeast chromosome III. <i>Protein Science</i> , 1992 , 1, 1677-90	6.3	98
185	Integrated analyses of microRNAs demonstrate their widespread influence on gene expression in high-grade serous ovarian carcinoma. <i>PLoS ONE</i> , 2012 , 7, e34546	3.7	94
184	Small RNA sequencing and functional characterization reveals MicroRNA-143 tumor suppressor activity in liposarcoma. <i>Cancer Research</i> , 2011 , 71, 5659-69	10.1	92
183	Structured States of Disordered Proteins from Genomic Sequences. <i>Cell</i> , 2016 , 167, 158-170.e12	56.2	90
182	miR-34a repression in proneural malignant gliomas upregulates expression of its target PDGFRA and promotes tumorigenesis. <i>PLoS ONE</i> , 2012 , 7, e33844	3.7	90
181	Superoxide dismutase 1 (SOD1) is a target for a small molecule identified in a screen for inhibitors of the growth of lung adenocarcinoma cell lines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16375-80	11.5	89
180	Genomic complexity and AKT dependence in serous ovarian cancer. <i>Cancer Discovery</i> , 2012 , 2, 56-67	24.4	89

179	Modeling of transmembrane seven helix bundles. <i>Protein Engineering, Design and Selection</i> , 1993 , 6, 59-64	89
178	Frequent alterations and epigenetic silencing of differentiation pathway genes in structurally rearranged liposarcomas. <i>Cancer Discovery</i> , 2011 , 1, 587-97	24.4 88
177	Progress of 1D protein structure prediction at last. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995 , 23, 295-300	4.2 84
176	cPath: open source software for collecting, storing, and querying biological pathways. <i>BMC Bioinformatics</i> , 2006 , 7, 497	3.6 83
175	Pathway information for systems biology. <i>FEBS Letters</i> , 2005 , 579, 1815-20	3.8 83
174	TFIIB, an evolutionary link between the transcription machineries of archaeobacteria and eukaryotes. <i>Cell</i> , 1992 , 71, 189-90	56.2 83
173	The cytidyltransferase superfamily: identification of the nucleotide-binding site and fold prediction. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995 , 22, 259-66	4.2 81
172	GENO-15 IDENTIFICATION AND GENOMIC ANALYSIS OF HYPER-MUTATED AND ULTRA-MUTATED GBMS. <i>Neuro-Oncology</i> , 2015 , 17, v94.3-v94	1 78
171	mRNA turnover rate limits siRNA and microRNA efficacy. <i>Molecular Systems Biology</i> , 2010 , 6, 433	12.2 78
170	CellMinerCDB for Integrative Cross-Database Genomics and Pharmacogenomics Analyses of Cancer Cell Lines. <i>iScience</i> , 2018 , 10, 247-264	6.1 78
169	Somatic POLE mutations cause an ultramutated giant cell high-grade glioma subtype with better prognosis. <i>Neuro-Oncology</i> , 2015 , 17, 1356-64	1 76
168	TCEB1-mutated renal cell carcinoma: a distinct genomic and morphological subtype. <i>Modern Pathology</i> , 2015 , 28, 845-853	9.8 76
167	PconsFold: improved contact predictions improve protein models. <i>Bioinformatics</i> , 2014 , 30, i482-8	7.2 76
166	Progress in protein structure prediction?. <i>Trends in Biochemical Sciences</i> , 1993 , 18, 120-3	10.3 76
165	Structural similarity of plant chitinase and lysozymes from animals and phage. An evolutionary connection. <i>FEBS Letters</i> , 1994 , 340, 129-32	3.8 76
164	A new ATP-binding fold in actin, hexokinase and Hsc70. <i>Trends in Cell Biology</i> , 1993 , 3, 53-9	18.3 76
163	A module of the DnaJ heat shock proteins found in malaria parasites. <i>Trends in Biochemical Sciences</i> , 1992 , 17, 129	10.3 75
162	Predicting protein structure using hidden Markov models. <i>Proteins: Structure, Function and Bioinformatics</i> , 1997 , 29, 134-139	4.2 74

161	A Landscape of Metabolic Variation across Tumor Types. <i>Cell Systems</i> , 2018 , 6, 301-313.e3	10.6	73
160	Jury returns on structure prediction. <i>Nature</i> , 1992 , 360, 540	50.4	73
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