

# Alfonso Valencia

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

361  
papers

34,543  
citations

85  
h-index

180  
g-index

393  
ext. papers

40,280  
ext. citations

10.3  
avg, IF

6.89  
L-index

#	Paper	IF	Citations
361	The structural coverage of the human proteome before and after AlphaFold.. <i>PLoS Computational Biology</i> , <b>2022</b> , 18, e1009818	5	9
360	Patient-specific Boolean models of signalling networks guide personalised treatments.. <i>ELife</i> , <b>2022</b> , 11,	8.9	4
359	Optimizing Dosage-Specific Treatments in a Multi-Scale Model of a Tumor Growth.. <i>Frontiers in Molecular Biosciences</i> , <b>2022</b> , 9, 836794	5.6	0
358	Mortality in Persons With Autism Spectrum Disorder or Attention-Deficit/Hyperactivity Disorder: A Systematic Review and Meta-analysis.. <i>JAMA Pediatrics</i> , <b>2022</b> , e216401	8.3	4
357	Design and methodological characteristics of studies using observational routinely collected health data for investigating the link between cancer and neurodegenerative diseases: protocol for a meta-research study.. <i>BMJ Open</i> , <b>2022</b> , 12, e058738	3	
356	Sex and gender bias in natural language processing <b>2022</b> , 113-132		0
355	COVID-19 Flow-Maps an open geographic information system on COVID-19 and human mobility for Spain. <i>Scientific Data</i> , <b>2021</b> , 8, 310	8.2	2
354	COVID19 Disease Map, a computational knowledge repository of virus-host interaction mechanisms. <i>Molecular Systems Biology</i> , <b>2021</b> , 17, e10387	12.2	9
353	The gene regulation knowledge commons: the action area of GREEKC. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2021</b> , 1865, 194768	6	1
352	The eTRANSAFE Project on Translational Safety Assessment through Integrative Knowledge Management: Achievements and Perspectives. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	5
351	Artificial Intelligence-Aided Precision Medicine for COVID-19: Strategic Areas of Research and Development. <i>Journal of Medical Internet Research</i> , <b>2021</b> , 23, e22453	7.6	8
350	Mutational mechanisms shaping the coding and noncoding genome of germinal center derived B-cell lymphomas. <i>Leukemia</i> , <b>2021</b> , 35, 2002-2016	10.7	3
349	Transcriptomic and Genetic Associations between Alzheimer's Disease, Parkinson's Disease, and Cancer. <i>Cancers</i> , <b>2021</b> , 13,	6.6	6
348	Computational analysis of sense-antisense chimeric transcripts reveals their potential regulatory features and the landscape of expression in human cells. <i>NAR Genomics and Bioinformatics</i> , <b>2021</b> , 3, lqab074	3.74	4
347	STAG2 loss-of-function affects short-range genomic contacts and modulates the basal-luminal transcriptional program of bladder cancer cells. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 11005-11021	20.1	2
346	BioFVM-X: An MPI+OpenMP 3-D Simulator for Biological Systems. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 266-279	0.9	2
345	Simulating SARS-CoV-2 epidemics by region-specific variables and modeling contact tracing app containment. <i>Npj Digital Medicine</i> , <b>2021</b> , 4, 9	15.7	12

344	Unraveling the molecular basis of host cell receptor usage in SARS-CoV-2 and other human pathogenic ECoVs. <i>Computational and Structural Biotechnology Journal</i> , <b>2021</b> , 19, 759-766	6.8	1
343	ELIXIR-EXCELERATE: establishing Europe's data infrastructure for the life science research of the future. <i>EMBO Journal</i> , <b>2021</b> , 40, e107409	13	11
342	Artificial intelligence in cancer research: learning at different levels of data granularity. <i>Molecular Oncology</i> , <b>2021</b> , 15, 817-829	7.9	5
341	Systems biology at the giga-scale: Large multiscale models of complex, heterogeneous multicellular systems. <i>Current Opinion in Systems Biology</i> , <b>2021</b> , 28, 100385	3.2	4
340	Assessing the accuracy of contact and distance predictions in CASP14. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2021</b> , 89, 1888-1900	4.2	4
339	COVID-19 Disease Map, building a computational repository of SARS-CoV-2 virus-host interaction mechanisms. <i>Scientific Data</i> , <b>2020</b> , 7, 136	8.2	71
338	Interpreting molecular similarity between patients as a determinant of disease comorbidity relationships. <i>Nature Communications</i> , <b>2020</b> , 11, 2854	17.4	7
337	Sex and gender differences and biases in artificial intelligence for biomedicine and healthcare. <i>Npj Digital Medicine</i> , <b>2020</b> , 3, 81	15.7	85
336	A user guide for the online exploration and visualization of PCAWG data. <i>Nature Communications</i> , <b>2020</b> , 11, 3400	17.4	7
335	Pathway and network analysis of more than 2500 whole cancer genomes. <i>Nature Communications</i> , <b>2020</b> , 11, 729	17.4	38
334	Understanding oncogenicity of cancer driver genes and mutations in the cancer genomics era. <i>FEBS Letters</i> , <b>2020</b> , 594, 4233-4246	3.8	6
333	GOPHER, an HPC Framework for Large Scale Graph Exploration and Inference. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 211-222	0.9	
332	ECCB2020: the 19th European Conference on Computational Biology. <i>Bioinformatics</i> , <b>2020</b> , 36, i569-i572.2		1
331	On the inconsistent treatment of gene-protein-reaction rules in context-specific metabolic models. <i>Bioinformatics</i> , <b>2020</b> , 36, 1986-1988	7.2	1
330	Towards FAIR principles for 'research' software. <i>Data Science</i> , <b>2020</b> , 3, 37-59	2.2	56
329	Leveraging European infrastructures to access 1 million human genomes by 2022. <i>Nature Reviews Genetics</i> , <b>2019</b> , 20, 693-701	30.1	36
328	Intronic CNVs and gene expression variation in human populations. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1007902	6	30
327	Molecular Inverse Comorbidity between Alzheimer's Disease and Lung Cancer: New Insights from Matrix Factorization. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	6

326	Association of Anorexia Nervosa With Risk of Cancer: A Systematic Review and Meta-analysis. <i>JAMA Network Open</i> , <b>2019</b> , 2, e195313	10.4	6
325	vulcanSpot: a tool to prioritize therapeutic vulnerabilities in cancer. <i>Bioinformatics</i> , <b>2019</b> , 35, 4846-4848	7.2	4
324	Interactive Extreme-Scale Analytics: Towards Battling Cancer. <i>IEEE Technology and Society Magazine</i> , <b>2019</b> , 38, 54-61	0.8	1
323	Transcriptomic metaanalyses of autistic brains reveals shared gene expression and biological pathway abnormalities with cancer. <i>Molecular Autism</i> , <b>2019</b> , 10, 17	6.5	13
322	Big data analytics for personalized medicine. <i>Current Opinion in Biotechnology</i> , <b>2019</b> , 58, 161-167	11.4	69
321	The bio.tools registry of software tools and data resources for the life sciences. <i>Genome Biology</i> , <b>2019</b> , 20, 164	18.3	19
320	Next generation community assessment of biomedical entity recognition web servers: metrics, performance, interoperability aspects of BeCalm. <i>Journal of Cheminformatics</i> , <b>2019</b> , 11, 42	8.6	4
319	Patient Dossier: Healthcare queries over distributed resources. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1007291	5	2
318	DNA methylation profiling of hepatosplenic T-cell lymphoma. <i>Haematologica</i> , <b>2019</b> , 104, e104-e107	6.6	7
317	Precision medicine needs pioneering clinical bioinformaticians. <i>Briefings in Bioinformatics</i> , <b>2019</b> , 20, 752-764	16.4	25
316	Epigenetic and Transcriptional Variability Shape Phenotypic Plasticity. <i>BioEssays</i> , <b>2018</b> , 40, 1700148	4.1	40
315	APPRIS 2017: principal isoforms for multiple gene sets. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, D213-D217	20.1	70
314	Association Between Germline Mutations in BRF1, a Subunit of the RNA Polymerase III Transcription Complex, and Hereditary Colorectal Cancer. <i>Gastroenterology</i> , <b>2018</b> , 154, 181-194.e20	13.3	25
313	PanDrugs: a novel method to prioritize anticancer drug treatments according to individual genomic data. <i>Genome Medicine</i> , <b>2018</b> , 10, 41	14.4	35
312	Germline variation in the oxidative DNA repair genes NUDT1 and OGG1 is not associated with hereditary colorectal cancer or polyposis. <i>Human Mutation</i> , <b>2018</b> , 39, 1214-1225	4.7	6
311	Dynamics of Transcription Regulation in Human Bone Marrow Myeloid Differentiation to Mature Blood Neutrophils. <i>Cell Reports</i> , <b>2018</b> , 24, 2784-2794	10.6	54
310	Genome-wide analysis of differential transcriptional and epigenetic variability across human immune cell types. <i>Genome Biology</i> , <b>2017</b> , 18, 18	18.3	70
309	Most Alternative Isoforms Are Not Functionally Important. <i>Trends in Biochemical Sciences</i> , <b>2017</b> , 42, 408-410	4.0	46

308	Anna Tramontano 1957-2017. <i>Nature Structural and Molecular Biology</i> , <b>2017</b> , 24, 431-432	17.6	2
307	Information Retrieval and Text Mining Technologies for Chemistry. <i>Chemical Reviews</i> , <b>2017</b> , 117, 7673-7761	66.1	124
306	LimTox: a web tool for applied text mining of adverse event and toxicity associations of compounds, drugs and genes. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, W484-W489	20.1	24
305	ChiPPI: a novel method for mapping chimeric protein-protein interactions uncovers selection principles of protein fusion events in cancer. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 7094-7105	20.1	24
304	Elucidating the molecular basis of MSH2-deficient tumors by combined germline and somatic analysis. <i>International Journal of Cancer</i> , <b>2017</b> , 141, 1365-1380	7.5	18
303	Cancer and central nervous system disorders: protocol for an umbrella review of systematic reviews and updated meta-analyses of observational studies. <i>Systematic Reviews</i> , <b>2017</b> , 6, 69	3	13
302	Legacy data sharing to improve drug safety assessment: the eTOX project. <i>Nature Reviews Drug Discovery</i> , <b>2017</b> , 16, 811-812	64.1	37
301	Automatic identification of informative regions with epigenomic changes associated to hematopoiesis. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 9244-9259	20.1	10
300	Anorexia nervosa and cancer: a protocol for a systematic review and meta-analysis of observational studies. <i>Systematic Reviews</i> , <b>2017</b> , 6, 137	3	4
299	Risk of mortality among children, adolescents, and adults with autism spectrum disorder or attention deficit hyperactivity disorder and their first-degree relatives: a protocol for a systematic review and meta-analysis of observational studies. <i>Systematic Reviews</i> , <b>2017</b> , 6, 189	3	8
298	Comparison of algorithms for the detection of cancer drivers at subgene resolution. <i>Nature Methods</i> , <b>2017</b> , 14, 782-788	21.6	51
297	A molecular hypothesis to explain direct and inverse co-morbidities between Alzheimer's Disease, Glioblastoma and Lung cancer. <i>Scientific Reports</i> , <b>2017</b> , 7, 4474	4.9	45
296	Alternative Splicing May Not Be the Key to Proteome Complexity. <i>Trends in Biochemical Sciences</i> , <b>2017</b> , 42, 98-110	10.3	180
295	MIB2 variants altering NOTCH signalling result in left ventricle hypertrabeculation/non-compaction and are associated with Mörner-like gastropathy. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 33-43	5.6	7
294	ISCB's initial reaction to New England Journal of Medicine editorial on data sharing. <i>Bioinformatics</i> , <b>2017</b> , 33, 2968	7.2	1
293	POLE and POLD1 mutations in 529 kindred with familial colorectal cancer and/or polyposis: review of reported cases and recommendations for genetic testing and surveillance. <i>Genetics in Medicine</i> , <b>2016</b> , 18, 325-32	8.1	153
292	A computational approach inspired by simulated annealing to study the stability of protein interaction networks in cancer and neurological disorders. <i>Data Mining and Knowledge Discovery</i> , <b>2016</b> , 30, 226-242	5.6	6
291	Integrating epigenomic data and 3D genomic structure with a new measure of chromatin assortativity. <i>Genome Biology</i> , <b>2016</b> , 17, 152	18.3	26

290	The BLUEPRINT Data Analysis Portal. <i>Cell Systems</i> , <b>2016</b> , 3, 491-495.e5	10.6	71
289	The Allelic Landscape of Human Blood Cell Trait Variation and Links to Common Complex Disease. <i>Cell</i> , <b>2016</b> , 167, 1415-1429.e19	56.2	637
288	The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery. <i>Cell</i> , <b>2016</b> , 167, 1145-1149	56.2	232
287	CD8 T Cells from Human Neonates Are Biased toward an Innate Immune Response. <i>Cell Reports</i> , <b>2016</b> , 17, 2151-2160	10.6	34
286	Genetic Drivers of Epigenetic and Transcriptional Variation in Human Immune Cells. <i>Cell</i> , <b>2016</b> , 167, 1398-1414.e24	56.2	339
285	KinMutRF: a random forest classifier of sequence variants in the human protein kinase superfamily. <i>BMC Genomics</i> , <b>2016</b> , 17 Suppl 2, 396	4.5	7
284	The Markyt visualisation, prediction and benchmark platform for chemical and gene entity recognition at BioCreative/CHEMDNER challenge. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2016</b> , 2016,	5	8
283	Chromatin Regulators as a Guide for Cancer Treatment Choice. <i>Molecular Cancer Therapeutics</i> , <b>2016</b> , 15, 1768-77	6.1	15
282	wKinMut-2: Identification and Interpretation of Pathogenic Variants in Human Protein Kinases. <i>Human Mutation</i> , <b>2016</b> , 37, 36-42	4.7	7
281	Epigenomic Co-localization and Co-evolution Reveal a Key Role for 5hmC as a Communication Hub in the Chromatin Network of ESCs. <i>Cell Reports</i> , <b>2016</b> , 14, 1246-1257	10.6	30
280	ISCB's initial reaction to New England Journal of Medicine editorial on data sharing. <i>F1000Research</i> , <b>2016</b> , 5,	3.6	1
279	Identifying ELIXIR Core Data Resources. <i>F1000Research</i> , <b>2016</b> , 5,	3.6	44
278	ISCB's Initial Reaction to The New England Journal of Medicine Editorial on Data Sharing. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004816	5	9
277	Extreme genomic erosion after recurrent demographic bottlenecks in the highly endangered Iberian lynx. <i>Genome Biology</i> , <b>2016</b> , 17, 251	18.3	85
276	Conservation of coevolving protein interfaces bridges prokaryote-eukaryote homologies in the twilight zone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 15018-15023	11.5	26
275	An expanded evaluation of protein function prediction methods shows an improvement in accuracy. <i>Genome Biology</i> , <b>2016</b> , 17, 184	18.3	218
274	FUN-L: gene prioritization for RNAi screens. <i>Bioinformatics</i> , <b>2015</b> , 31, 2052-3	7.2	8
273	Summary of the BioLINK SIG 2013 meeting at ISMB/ECCB 2013. <i>Bioinformatics</i> , <b>2015</b> , 31, 297-8	7.2	1

272	Non-coding recurrent mutations in chronic lymphocytic leukaemia. <i>Nature</i> , <b>2015</b> , 526, 519-24	50.4	565
271	Germline Mutations in FAN1 Cause Hereditary Colorectal Cancer by Impairing DNA Repair. <i>Gastroenterology</i> , <b>2015</b> , 149, 563-6	13.3	75
270	Pathway and network analysis of cancer genomes. <i>Nature Methods</i> , <b>2015</b> , 12, 615-621	21.6	235
269	Detection of significant protein coevolution. <i>Bioinformatics</i> , <b>2015</b> , 31, 2166-73	7.2	17
268	Higher gene expression variability in the more aggressive subtype of chronic lymphocytic leukemia. <i>Genome Medicine</i> , <b>2015</b> , 7, 8	14.4	29
267	Most highly expressed protein-coding genes have a single dominant isoform. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 1880-7	5.6	78
266	The potential clinical impact of the release of two drafts of the human proteome. <i>Expert Review of Proteomics</i> , <b>2015</b> , 12, 579-93	4.2	23
265	From residue coevolution to protein conformational ensembles and functional dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 13567-72	11.5	87
264	The evolutionary fate of alternatively spliced homologous exons after gene duplication. <i>Genome Biology and Evolution</i> , <b>2015</b> , 7, 1392-403	3.9	22
263	The UBC-40 Urothelial Bladder Cancer cell line index: a genomic resource for functional studies. <i>BMC Genomics</i> , <b>2015</b> , 16, 403	4.5	59
262	CHEMDNER: The drugs and chemical names extraction challenge. <i>Journal of Cheminformatics</i> , <b>2015</b> , 7, S1	8.6	120
261	The CHEMDNER corpus of chemicals and drugs and its annotation principles. <i>Journal of Cheminformatics</i> , <b>2015</b> , 7, S2	8.6	98
260	Alternatively Spliced Homologous Exons Have Ancient Origins and Are Highly Expressed at the Protein Level. <i>PLoS Computational Biology</i> , <b>2015</b> , 11, e1004325	5	47
259	NOTCH pathway inactivation promotes bladder cancer progression. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 824-30	15.9	64
258	Whole-genome fingerprint of the DNA methylome during human B cell differentiation. <i>Nature Genetics</i> , <b>2015</b> , 47, 746-56	36.3	209
257	ChiTaRS 2.1--an improved database of the chimeric transcripts and RNA-seq data with novel sense-antisense chimeric RNA transcripts. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, D68-75	20.1	22
256	Alternative splicing and co-option of transposable elements: the case of TMPO/LAP2 and ZNF451 in mammals. <i>Bioinformatics</i> , <b>2015</b> , 31, 2257-61	7.2	26
255	Structure-PPI: a module for the annotation of cancer-related single-nucleotide variants at protein-protein interfaces. <i>Bioinformatics</i> , <b>2015</b> , 31, 2397-9	7.2	31

254	APPRIS WebServer and WebServices. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, W455-9	20.1	15
253	Transcriptome characterization by RNA sequencing identifies a major molecular and clinical subdivision in chronic lymphocytic leukemia. <i>Genome Research</i> , <b>2014</b> , 24, 212-26	9.7	143
252	Colorectal cancer classification based on gene expression is not associated with FOLFIRI response. <i>Nature Medicine</i> , <b>2014</b> , 20, 1230-1	50.5	8
251	Analyzing the first drafts of the human proteome. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 3854-5	5.6	88
250	Bioinformatics Analysis of Pancreas Cancer Genome in High-Throughput Genomic Technologies <b>2014</b> , 93-131		1
249	Transcriptional dissection of pancreatic tumors engrafted in mice. <i>Genome Medicine</i> , <b>2014</b> , 6, 27	14.4	30
248	Integrated next-generation sequencing and avatar mouse models for personalized cancer treatment. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 2476-84	12.9	118
247	Multiple evidence strands suggest that there may be as few as 19,000 human protein-coding genes. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 5866-78	5.6	385
246	Integration of biological data by kernels on graph nodes allows prediction of new genes involved in mitotic chromosome condensation. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 2522-36	3.5	36
245	Alzheimer's disease and cancer: current epidemiological evidence for a mutual protection. <i>Neuroepidemiology</i> , <b>2014</b> , 42, 121-2	5.4	21
244	CheNER: chemical named entity recognizer. <i>Bioinformatics</i> , <b>2014</b> , 30, 1039-40	7.2	13
243	Molecular evidence for the inverse comorbidity between central nervous system disorders and cancers detected by transcriptomic meta-analyses. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004173	6	116
242	Predicting Protein Relationships to Human Pathways through a Relational Learning Approach Based on Simple Sequence Features. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2014</b> , 11, 753-65	3	2
241	Inverse and direct cancer comorbidity in people with central nervous system disorders: a meta-analysis of cancer incidence in 577,013 participants of 50 observational studies. <i>Psychotherapy and Psychosomatics</i> , <b>2014</b> , 83, 89-105	9.4	113
240	FireDB: a compendium of biological and pharmacologically relevant ligands. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, D267-72	20.1	7
239	A common structural scaffold in CTD phosphatases that supports distinct catalytic mechanisms. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2014</b> , 82, 103-18	4.2	2
238	The pseudo GTPase CENP-M drives human kinetochore assembly. <i>ELife</i> , <b>2014</b> , 3, e02978	8.9	86
237	Retrieval and Discovery of Cell Cycle Literature and Proteins by Means of Machine Learning, Text Mining and Network Analysis. <i>Advances in Intelligent Systems and Computing</i> , <b>2014</b> , 285-292	0.4	2



236 Evolution of the Ras Superfamily of GTPases **2014**, 3-23

235 Computational approaches to identify functional genetic variants in cancer genomes. *Nature Methods*, **2013**, 10, 723-9 21.6 129

234 Subfunctionalization via adaptive evolution influenced by genomic context: the case of histone chaperones ASF1a and ASF1b. *Molecular Biology and Evolution*, **2013**, 30, 1853-66 8.3 42

233 Recurrent inactivation of STAG2 in bladder cancer is not associated with aneuploidy. *Nature Genetics*, **2013**, 45, 1464-9 36.3 186

232 wKinMut: an integrated tool for the analysis and interpretation of mutations in human protein kinases. *BMC Bioinformatics*, **2013**, 14, 345 3.6 5

231 Towards a detailed atlas of protein-protein interactions. *Current Opinion in Structural Biology*, **2013**, 23, 929-40 8.1 80

230 The Functional Genomics Network in the evolution of biological text mining over the past decade. *New Biotechnology*, **2013**, 30, 278-85 6.4 10

229 Emerging methods in protein co-evolution. *Nature Reviews Genetics*, **2013**, 14, 249-61 30.1 415

228 Incorporating information on predicted solvent accessibility to the co-evolution-based study of protein interactions. *Molecular BioSystems*, **2013**, 9, 70-6 5

227 Late-replicating CNVs as a source of new genes. *Biology Open*, **2013**, 2, 1402-11 2.2 6

226 APPRIS: annotation of principal and alternative splice isoforms. *Nucleic Acids Research*, **2013**, 41, D110-7 20.1 128

225 RUBioSeq: a suite of parallelized pipelines to automate exome variation and bisulfite-seq analyses. *Bioinformatics*, **2013**, 29, 1687-9 7.2 35

224 BioC: a minimalist approach to interoperability for biomedical text processing. *Database: the Journal of Biological Databases and Curation*, **2013**, 2013, bat064 5 100

223 An epistatic interaction between the PAX8 and STK17B genes in papillary thyroid cancer susceptibility. *PLoS ONE*, **2013**, 8, e74765 3.7 8

222 ChiTaRS: a database of human, mouse and fruit fly chimeric transcripts and RNA-sequencing data. *Nucleic Acids Research*, **2013**, 41, D142-51 20.1 39

221 EnrichNet: network-based gene set enrichment analysis. *Bioinformatics*, **2012**, 28, i451-i457 7.2 204

220 Prioritization of pathogenic mutations in the protein kinase superfamily. *BMC Genomics*, **2012**, 13 Suppl 4, S3 4.5 21

219 The Ras protein superfamily: evolutionary tree and role of conserved amino acids. *Journal of Cell Biology*, **2012**, 196, 189-201 7.3 247

218	GENCODE: the reference human genome annotation for The ENCODE Project. <i>Genome Research</i> , <b>2012</b> , 22, 1760-74	9.7	3142
217	Chimeras taking shape: potential functions of proteins encoded by chimeric RNA transcripts. <i>Genome Research</i> , <b>2012</b> , 22, 1231-42	9.7	101
216	MyMiner: a web application for computer-assisted biocuration and text annotation. <i>Bioinformatics</i> , <b>2012</b> , 28, 2285-7	7.2	34
215	Epigenomic analysis detects widespread gene-body DNA hypomethylation in chronic lymphocytic leukemia. <i>Nature Genetics</i> , <b>2012</b> , 44, 1236-42	36.3	422
214	Genome-wide analysis of Pax8 binding provides new insights into thyroid functions. <i>BMC Genomics</i> , <b>2012</b> , 13, 147	4.5	31
213	Uncovering the molecular machinery of the human spindle--an integration of wet and dry systems biology. <i>PLoS ONE</i> , <b>2012</b> , 7, e31813	3.7	11
212	Evidence for transcript networks composed of chimeric RNAs in human cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e28213	3.7	51
211	Distinct DNA methylomes of newborns and centenarians. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 10522-7	11.5	563
210	BLUEPRINT to decode the epigenetic signature written in blood. <i>Nature Biotechnology</i> , <b>2012</b> , 30, 224-6	44.5	261
209	Chapter 14: Cancer genome analysis. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002824	5	12
208	Interpretation of the consequences of mutations in protein kinases: combined use of bioinformatics and text mining. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 323	4.6	7
207	How to link ontologies and protein-protein interactions to literature: text-mining approaches and the BioCreative experience. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2012</b> , 2012, bas017	5.7	25
206	JDdet: interactive calculation and visualization of function-related conservation patterns in multiple sequence alignments and structures. <i>Bioinformatics</i> , <b>2012</b> , 28, 584-6	7.2	16
205	Comparative proteomics reveals a significant bias toward alternative protein isoforms with conserved structure and function. <i>Molecular Biology and Evolution</i> , <b>2012</b> , 29, 2265-83	8.3	64
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11	Unveiling the molecular basis of disease co-occurrence: towards personalized comorbidity profiles		1
10	Automatic identification of informative regions with epigenomic changes associated to hematopoiesis		1
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3	Patient-specific Boolean models of signaling networks guide personalized treatments		1

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