

Rodrigo Lopez

List of Publications by Citations

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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.

87 papers	40,371 citations	49 h-index	88 g-index
88 ext. papers	52,627 ext. citations	16.2 avg, IF	7.17 L-index

#	Paper	IF	Citations
87	Fast, scalable generation of high-quality protein multiple sequence alignments using Clustal Omega. <i>Molecular Systems Biology</i> , 2011 , 7, 539	12.2	8587
86	Multiple sequence alignment with the Clustal series of programs. <i>Nucleic Acids Research</i> , 2003 , 31, 3497-500	5.0	3757
85	InterProScan 5: genome-scale protein function classification. <i>Bioinformatics</i> , 2014 , 30, 1236-40	7.2	3575
84	UniProt: the Universal Protein knowledgebase. <i>Nucleic Acids Research</i> , 2004 , 32, D115-9	20.1	2195
83	The EMBL-EBI search and sequence analysis tools APIs in 2019. <i>Nucleic Acids Research</i> , 2019 , 47, W636-W641	6.1	2132
82	InterPro: the integrative protein signature database. <i>Nucleic Acids Research</i> , 2009 , 37, D211-5	20.1	1379
81	A new bioinformatics analysis tools framework at EMBL-EBI. <i>Nucleic Acids Research</i> , 2010 , 38, W695-9	20.1	1264
80	The Universal Protein Resource (UniProt). <i>Nucleic Acids Research</i> , 2005 , 33, D154-9	20.1	1231
79	Analysis Tool Web Services from the EMBL-EBI. <i>Nucleic Acids Research</i> , 2013 , 41, W597-600	20.1	1138
78	UniProt: the universal protein knowledgebase in 2021. <i>Nucleic Acids Research</i> , 2021 , 49, D480-D489	20.1	1073
77	Activities at the Universal Protein Resource (UniProt). <i>Nucleic Acids Research</i> , 2014 , 42, D191-8	20.1	1007
76	InterPro in 2017-beyond protein family and domain annotations. <i>Nucleic Acids Research</i> , 2017 , 45, D190-D199	10.9	970
75	The InterPro protein families database: the classification resource after 15 years. <i>Nucleic Acids Research</i> , 2015 , 43, D213-21	20.1	954
74	InterPro in 2011: new developments in the family and domain prediction database. <i>Nucleic Acids Research</i> , 2012 , 40, D306-12	20.1	844
73	The Universal Protein Resource (UniProt): an expanding universe of protein information. <i>Nucleic Acids Research</i> , 2006 , 34, D187-91	20.1	839
72	InterPro in 2019: improving coverage, classification and access to protein sequence annotations. <i>Nucleic Acids Research</i> , 2019 , 47, D351-D360	20.1	835
71	CpG islands as gene markers in the human genome. <i>Genomics</i> , 1992 , 13, 1095-107	4.3	754

70	The EMBL-EBI bioinformatics web and programmatic tools framework. <i>Nucleic Acids Research</i> , 2015 , 43, W580-4	20.1	724
69	The Gene Ontology Annotation (GOA) Database: sharing knowledge in Uniprot with Gene Ontology. <i>Nucleic Acids Research</i> , 2004 , 32, D262-6	20.1	643
68	HMMER web server: 2018 update. <i>Nucleic Acids Research</i> , 2018 , 46, W200-W204	20.1	596
67	The InterPro Database, 2003 brings increased coverage and new features. <i>Nucleic Acids Research</i> , 2003 , 31, 315-8	20.1	556
66	The IMGT/HLA database. <i>Nucleic Acids Research</i> , 2013 , 41, D1222-7	20.1	519
65	InterPro, progress and status in 2005. <i>Nucleic Acids Research</i> , 2005 , 33, D201-5	20.1	426
64	New developments in the InterPro database. <i>Nucleic Acids Research</i> , 2007 , 35, D224-8	20.1	397
63	The IMGT/HLA database. <i>Nucleic Acids Research</i> , 2011 , 39, D1171-6	20.1	312
62	Programmatic access to bioinformatics tools from EMBL-EBI update: 2017. <i>Nucleic Acids Research</i> , 2017 , 45, W550-W553	20.1	213
61	The EMBL Nucleotide Sequence Database. <i>Nucleic Acids Research</i> , 2005 , 33, D29-33	20.1	199
60	IPD--the Immuno Polymorphism Database. <i>Nucleic Acids Research</i> , 2013 , 41, D1234-40	20.1	174
59	BioCatalogue: a universal catalogue of web services for the life sciences. <i>Nucleic Acids Research</i> , 2010 , 38, W689-94	20.1	160
58	IPD--the Immuno Polymorphism Database. <i>Nucleic Acids Research</i> , 2010 , 38, D863-9	20.1	150
57	The IMGT/HLA database. <i>Nucleic Acids Research</i> , 2009 , 37, D1013-7	20.1	137
56	Web services at the European bioinformatics institute. <i>Nucleic Acids Research</i> , 2007 , 35, W6-11	20.1	137
55	UniProt archive. <i>Bioinformatics</i> , 2004 , 20, 3236-7	7.2	137
54	InterPro: an integrated documentation resource for protein families, domains and functional sites. <i>Briefings in Bioinformatics</i> , 2002 , 3, 225-35	13.4	137
53	EDAM: an ontology of bioinformatics operations, types of data and identifiers, topics and formats. <i>Bioinformatics</i> , 2013 , 29, 1325-32	7.2	126

52	The EMBL Nucleotide Sequence Database. <i>Nucleic Acids Research</i> , 2004 , 32, D27-30	20.1	123
51	The EMBL Nucleotide Sequence Database. <i>Nucleic Acids Research</i> , 2002 , 30, 21-6	20.1	117
50	EMBL Nucleotide Sequence Database in 2006. <i>Nucleic Acids Research</i> , 2007 , 35, D16-20	20.1	114
49	The EMBL Nucleotide Sequence Database. <i>Nucleic Acids Research</i> , 1999 , 27, 18-24	20.1	107
48	Discovering and linking public omics data sets using the Omics Discovery Index. <i>Nature Biotechnology</i> , 2017 , 35, 406-409	44.5	105
47	WU-Blast2 server at the European Bioinformatics Institute. <i>Nucleic Acids Research</i> , 2003 , 31, 3795-8	20.1	104
46	The EBI SRS server--recent developments. <i>Bioinformatics</i> , 2002 , 18, 368-73	7.2	93
45	EMBL Nucleotide Sequence Database: developments in 2005. <i>Nucleic Acids Research</i> , 2006 , 34, D10-5	20.1	76
44	The EBI SRS server-new features. <i>Bioinformatics</i> , 2002 , 18, 1149-50	7.2	76
43	The EMBL Nucleotide Sequence Database: major new developments. <i>Nucleic Acids Research</i> , 2003 , 31, 17-22	20.1	73
42	Petabyte-scale innovations at the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2009 , 37, D19-25	20.1	72
41	Search and sequence analysis tools services from EMBL-EBI in 2022.. <i>Nucleic Acids Research</i> , 2022 ,	20.1	61
40	Web services at the European Bioinformatics Institute-2009. <i>Nucleic Acids Research</i> , 2009 , 37, W6-10	20.1	60
39	Facing growth in the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2013 , 41, D30-5	20.1	57
38	Identifying ELIXIR Core Data Resources. <i>F1000Research</i> , 2016 , 5, 2422	3.6	49
37	Improvements to services at the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2010 , 38, D39-45	20.1	47
36	Data curation + process curation=data integration + science. <i>Briefings in Bioinformatics</i> , 2008 , 9, 506-17	13.4	46
35	Identifying ELIXIR Core Data Resources. <i>F1000Research</i> , 2016 , 5,	3.6	44

34	Evaluation of the exon predictions of the GRAIL software. <i>Genomics</i> , 1994 , 24, 133-6	4.3	41
33	A tree-based conservation scoring method for short linear motifs in multiple alignments of protein sequences. <i>BMC Bioinformatics</i> , 2008 , 9, 229	3.6	40
32	Priorities for nucleotide trace, sequence and annotation data capture at the Ensembl Trace Archive and the EMBL Nucleotide Sequence Database. <i>Nucleic Acids Research</i> , 2008 , 36, D5-12	20.1	39
31	The European Bioinformatics Institute's data resources. <i>Nucleic Acids Research</i> , 2003 , 31, 43-50	20.1	38
30	Content discovery and retrieval services at the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2015 , 43, D23-9	20.1	36
29	The European Nucleotide Archive in 2020. <i>Nucleic Acids Research</i> , 2021 , 49, D82-D85	20.1	36
28	Fast and efficient searching of biological data resources--using EB-eye. <i>Briefings in Bioinformatics</i> , 2010 , 11, 375-84	13.4	33
27	The ELIXIR Core Data Resources: fundamental infrastructure for the life sciences. <i>Bioinformatics</i> , 2020 , 36, 2636-2642	7.2	29
26	Assembly information services in the European Nucleotide Archive. <i>Nucleic Acids Research</i> , 2014 , 42, D38-43	20.1	28
25	PSI-Search: iterative HOE-reduced profile SSEARCH searching. <i>Bioinformatics</i> , 2012 , 28, 1650-1	7.2	28
24	The EBI Search engine: providing search and retrieval functionality for biological data from EMBL-EBI. <i>Nucleic Acids Research</i> , 2015 , 43, W585-8	20.1	27
23	The EBI search engine: EBI search as a service-making biological data accessible for all. <i>Nucleic Acids Research</i> , 2017 , 45, W545-W549	20.1	26
22	Public web-based services from the European Bioinformatics Institute. <i>Nucleic Acids Research</i> , 2004 , 32, W3-9	20.1	26
21	Gene-Ontology analysis reveals association of tissue-specific 5SCpG-island genes with development and embryogenesis. <i>Human Molecular Genetics</i> , 2004 , 13, 1969-78	5.6	24
20	Bioinformatics Training Network (BTN): a community resource for bioinformatics trainers. <i>Briefings in Bioinformatics</i> , 2012 , 13, 383-9	13.4	21
19	The European Bioinformatics Institute in 2018: tools, infrastructure and training. <i>Nucleic Acids Research</i> , 2019 , 47, D15-D22	20.1	21
18	Using EMBL-EBI Services via Web Interface and Programmatically via Web Services. <i>Current Protocols in Bioinformatics</i> , 2019 , 66, e74	24.2	20
17	The bio.tools registry of software tools and data resources for the life sciences. <i>Genome Biology</i> , 2019 , 20, 164	18.3	19

16	The COVID-19 Data Portal: accelerating SARS-CoV-2 and COVID-19 research through rapid open access data sharing. <i>Nucleic Acids Research</i> , 2021 , 49, W619-W623	20.1	17
15	Cloning of a gene from <i>Bacillus cereus</i> with homology to the mreB gene from <i>Escherichia coli</i> . <i>Gene</i> , 1992 , 122, 181-5	3.8	15
14	Using EMBL-EBI Services via Web Interface and Programmatically via Web Services. <i>Current Protocols in Bioinformatics</i> , 2014 , 48, 3.12.1-50	24.2	14
13	Query-seeded iterative sequence similarity searching improves selectivity 5-20-fold. <i>Nucleic Acids Research</i> , 2017 , 45, e46	20.1	13
12	The Enzyme Portal: a case study in applying user-centred design methods in bioinformatics. <i>BMC Bioinformatics</i> , 2013 , 14, 103	3.6	13
11	The EBI enzyme portal. <i>Nucleic Acids Research</i> , 2013 , 41, D773-80	20.1	13
10	Non-redundant patent sequence databases with value-added annotations at two levels. <i>Nucleic Acids Research</i> , 2010 , 38, D52-6	20.1	9
9	A type-III DNA restriction and modification system in <i>Bacillus cereus</i> ?. <i>Gene</i> , 1992 , 114, 149-50	3.8	9
8	The European Nucleotide Archive in 2021. <i>Nucleic Acids Research</i> , 2021 ,	20.1	9
7	The annotation-enriched non-redundant patent sequence databases. <i>Database: the Journal of Biological Databases and Curation</i> , 2013 , 2013, bat005	5	7
6	Public services from the European Bioinformatics Institute. <i>Briefings in Bioinformatics</i> , 2003 , 4, 332-40	13.4	7
5	Bioinformatics training: selecting an appropriate learning content management system--an example from the European Bioinformatics Institute. <i>Briefings in Bioinformatics</i> , 2010 , 11, 552-62	13.4	6
4	The ELIXIR Core Data Resources: fundamental infrastructure for the life sciences		3
3	Using the Molecular Biology Data 281-300		1
2	Using the Molecular Biology Data 2001 , 281-300		0
1	The European Bioinformatics Institute web site: a new view. <i>Bioinformatics</i> , 2003 , 19, 546-7	7.2	